













02	18/10/2017	General Revision.	CS	AK	CR
01	14/09/2016	To inform the original status of the unit.	GV	AK	CR
Rev.	Date	Reason for Issue	Executed	Verified	Approved



VENTURA

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LOUISIANA

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RIG AND EQUIPMENT SPECIFICATION FOR SSV LOUISIANA

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A. Unit Specifications		
Unit Name	txt	LOUISIANA
Rig Type	txt	MODU-Semi Sub
Unit / Design / Shape		SHELL 6 Columns Stabilized
Unit Flag Unit Classification		LIDYD'S REGISTER OF SHIPPING
IMO Certification		YES YES
Which Code Version	txt	MODU 1979
Year of Construction	AAAA (date)	1982
Construction Yard Type of Positining System		Rauma Repola RR-18 DP
A.1 MAIN DIMENSIONS / TECHNICAL DESCRIPTION	кансног лир леотріпеа)	
Weight (light ship)	It	16295,00
Displacement at loadline		26358,00
Draft at loadline (deepest) Overall length of unit (including anchor racks)		60,70 294,55
Overall width of unit (including anchor racks)		215,55
Main deck length	ft	251,31
Main deck width	ft	214,90
Main deck elevation above baseline Number of main columns	number	107,02 4
Main columns diameter		35,43
Number of small columns	number	2
Small columns diameter		27,89
Drilling draft Drilling draft related displacement		60,70 26358,00
Drilling draft related displacement Drilling draft associated airgap		25,00
Transit draft		30,18
Transit draft related displacement	It	19799,00
Transit draft associated airgap Moon pool width		55,51 22,97
Moon pool width Moon pool length		66,93
Maximun opening througth speder deck		22,97
Pontoon length	ft	294,55
Pontoon breadth Pontoon bright		215,55
Pontoon heigth Maximum substructure / Rotary Load	ft lbs/lbs	28,28 1600000,00
Fuel Consumption (drilling)	bbl/day	188.7
Accommodation for (beds)	number	160
A.2 STORAGE CAPACITIES	lala	22220.00
Fuel Drilling water		23930,00 11218,51
Potable water		3180,13
Active liquid mud	bbl	4000,00
Mud processing tank	•	N/A
Reserve liquid mud Bulk bentonite/barite	ft3	1899,00 10594,00
Bulk cement	ft3	10594,00
Sacks storage	sacks (number)	3000
Pipe racks area		4197,00
Load bearing capacity (Pipe) Riser rack area		52207,00 4639,00
Load bearing capacity (Riser)		52207,00
Miscellaneous storage area	ft2	5715,00
Brine storage		3000
Heavy brine accepted (e.g. bromide) Base oil storage	7	YES 1100,00
Oil base mud storage		N/A
Ballast system (or preload)		N/A
A.3 PROPULSION / THRUSTERS		
A.3.1 IN-LINE PROPULSION	yes / no	no N/A
Shafts Motors per shaft		N/A N/A
Motors make (shaft)		N/A
Motors type (shaft)		N/A
Total HP per shaft Propoller type (shaft)		N/A
Propeller type (shaft) Nozzled (shaft)		N/A N/A
A.3.2 THRUSTERS		YES
Quantity	number	9
Fixed / Azimuthing	fixed / azimuthing	3 x Tunnel and 6 x azimuth
Motors per Thruster Motors make (Thruster)	number txt	1 Brush
Motors type (Thruster)		VML560/33
Total HP per Thruster		2400
Propeller type (Thruster)	fixed / variable blade	variable blade
Nozzled (Thruster) A.3.3 DYNAMIC POSITIONING	yes / no yes / no	YES (Only for Azimuth) YES
Make (DP)	5	YES Kongsberg
Model (DP)	txt	K-POS DP 31
Full DP	yes / no	yes
Position Reference Software Version		DGPS X 2 (DPS 5D & DPS 232), HIPAP 351 X 3 + HAIN X 2 DPS 5D= 1.03.01; DPS = 7.00.2; HIPAP = 3.3.0; HAIN= 3.6.2
Redundancy Type	<u> </u>	Triple redundant
IMO/ABS Equipment Class	<u> </u>	Class II
Attached Data Logger Available	yes / no	yes
External Data Port (Serial/Ethernet/etc) Available on Data Logger Which (external data port)	yes / no txt	yes Ethernet
Which (external data port) Sofftware Protocols Available on External Data Port (OPC, WITS, WITSML, Profibus, Modbus, Canbus,		
etc)	txt	OPC
Serial/Parallel Port for Alarm Printer Available	yes / no	no
A.4 OPERATIONAL CAPABILITIES Maximum designed water depth capability	ft	4541 40
Maximum designed water depth capability		6561,68 6233,6
IOutfitted max. Water depth capability		
Outfitted max. Water depth capability Normal min. Water depth capability	ft	1640,42





A. Unit Specifications		
Drilling depth capability (rated)	ft	25000,00
Transit speed towed (historical avg)	knots	3
Transit speed self propelled (historical avg)	knots	2
A.5 VARIABLE LOADING (VL) Transit VL	lt .	4000
Drilling VL		4000
Survival VL	It	4000
A.6 ENVIRONMENTAL LIMITS		
A.6.1 DRILLING Air gap (below main deck) (drilling)	ft	25,00
Max. Wave height (drilling)		24,93
Max. Wave period (drilling)	sec	
Max. Wind velocity (drilling) Max. Current velocity (drilling)		50,00 3,00
Max. Current velocity (drilling) Max. Heave (double amplitude) (drilling)		11,50
Max. Pitch (double amplitude) (drilling)	degrees	4
Max. Roll (double amplitude) (drilling)	degrees	4
A.6.2 SURVIVAL Air gap (below main deck) (survival)	ft	43,86
Max. Wave height (survival)		49,21
Max. Wave period (survival)	sec	
Max. Wind velocity (survival) Max. Current velocity (survival)	knots knots	100,00 3,00
Max. Current velocity (survival) Max. Heave (double amplitude) (survival)		11,50
Max. Pitch (double amplitude) (survival)	degrees	4
Max. Roll (double amplitude) (survival)	degrees	4
A.6.3 TRANSIT Air gap (below main deck) (transit)	ft	55,51
Max. Wave height (transit)		24,93
Max. Wave period (transit)	sec	
Max. Wind velocity (transit)		70,00 3,00
Max. Current velocity (transit) Max. Heave (double amplitude) (transit)		11,50
Max. Pitch (double amplitude) (transit)	degrees	2
Max. Roll (double amplitude) (transit)	degrees	2
A.7 MOORING SYSTEM A.7.1 ANCHOR WINCHES		
Quantity (anchor winches)	number	N/A
Anchor winches make	txt	N/A
Anchor winches model	txt	N/A
Anchor winches type Motors per winch	electric / hydraulic / diesel number	N/A N/A
Total HP per winch	hp	N/A
Rated pull	It	N/A
Speed low gear Test load	ft/min	N/A N/A
Control locations	local / remote / both	N/A
Emergency release type	txt	N/A
Emergency release location A.7.2 FAIRLEADS	txt	N/A
Quantity (fairleads)	yes / no number	0
Make (fairleads)	txt	N/A
Free rotating range	degrees	N/A
A.7.3 ANCHORS A.7.3.1 ANCHORS - PRIMARY		
Quantity (anchor - primary)	number	N/A
Make (anchor - primary)	txt	N/A
Type (anchor - primary) Weight (anchor - primary)		N/A N/A
Weight (anchor - primary) A.7.3.2 ANCHORS - SPARE	III.	IWA
Quantity (anchor - spare)	number	0
Make (anchor - spare)		N/A
Type (anchor - spare) Weight (anchor - spare)		N/A N/A
A.7.4 ANCHORS LINES		
A.7.4.1 WIRE		
Quantity (installed) (wire)		N/A
Quantity (spare) (wire) Make (wire)		N/A N/A
Type (wire)	txt	N/A
Specification (wire)		N/A
Diameter (wire) Weight per unit length (wire)		N/A N/A
Useful length (nominal) (wire)		N/A
Classification (wire)	txt	N/A
Breaking strength (wire)	lt	N/A
A.7.4.2 CHAIN Quantity (installed) (chain)	number	N/A
Quantity (installed) (Chain) Quantity (spare) (chain)		N/A
Make (chain)	txt	N/A
Type (chain) Specification (chain)		N/A N/A
Specification (chain) Diameter (chain)		N/A
Weight per unit length (chain)	lbs/ft	N/A
Useful length (nominal) (chain)		N/A
Classification (chain) Breaking strength (chain)		N/A N/A
A.7.5 ANCHOR LINE RUNNING & RETRIEVAL SYSTEM	n.	1977
Primary type	pennant-buoy / chaser	N/A
A.7.5.1 PENNANT LINES	number	
Quantity (pennant lines) Make (pennant lines)	number txt	NA
Type (pennant lines)	txt	NA
		45
Length (pennant lines)	1	





A. Unit Specifications	Т.	
Diameter (pennant lines)	in	3"
A.7.5.2 ANCHOR BUOYS Quantity (anchor buoys)	number	NA .
Volume each (anchor buoys)	ft3	NA NA
Type (anchor buoys)	txt	NA NA
Foam filled (anchor buoys)	yes / no	NA
A.7.5.3 CHASER		
Quantity (chaser)	number	NA
Make (chaser)	txt	NA
Type (chaser)	txt	NA
A.7.6 TOWING GEAR		
Towing bridle size	in I	3"
Hook-up system Rating	txt	SHACKLE TO HARD-EYE 78,74
Power requird for infield tow	bollard pull It	78,74
Power requird for ocean tow	bollard pull It	78,74
Spare bridle	yes / no	YES
A.7.7 SUPPLY VESSEL MOORING LINES		
Locations	port / stbd / both	NA
System	txt	NA
Rating	It	NA
A.8 MARINE LOADING HOSES	T	
Locations of loading manifolds	port / stbd / both	both
A.8.1 POTABLE WATER HOSE Quantity (potable water)	number	3
Size (potable water)	in	4
Make (potable water)	txt	DOCKFLEX
Type (potable water)	txt	STEEL RE-INFORCED RUBBER
Color coding (potable water)	yes / no	Yes
Connection Make (potable water)	txt	Weco
Connection Type (potable water)	txt	Weco
A.8.2 DRILLING WATER HOSE		
Quantity (drilling water)	number	3
Size (drilling water)	in	4 DOCKELEN
Make (drilling water) Type (drilling water)	txt txt	DOCKFLEX STEEL RE-INFORCED RUBBER
Color coding (drilling water)	yes / no	Yes
Connection Make (drilling water)		Weco
Connection Type (drilling water)	txt	Weco
A.8.3 GAS OIL HOSE		
Quantity (gas oil)	number	3
Size (gas oil)	in	4
Make (gas oil)	txt	DOCKFLEX
Type (gas oil)	txt	STEEL RE-INFORCED RUBBER
Color coding (gas oil)	yes / no	Yes
Connection Make (gas oil)	txt	Weco
Connection Type (gas oil) A.8.4 MUD CHEMICAL HOSE	txt	Weco
Quantity (mud chemical)	number	3
	in	4
ISIZE (MUD Chemical)		
Size (mud chemical) Make (mud chemical)	txt	DOCKFLEX
Make (mud chemical) Type (mud chemical)	txt txt	DOCKFLEX STEEL RE-INFORCED RUBBER
Make (mud chemical)		
Make (mud chemical) Type (mud chemical) Color coding (mud chemical) Connection Make (mud chemical)	txt	STEEL RE-INFORCED RUBBER Yes Weco
Make (mud chemical) Type (mud chemical) Color coding (mud chemical) Connection Make (mud chemical) Connection Type (mud chemical)	txt yes / no	STEEL RE-INFORCED RUBBER Yes
Make (mud chemical) Type (mud chemical) Color coding (mud chemical) Connection Make (mud chemical) Connection Type (mud chemical) A.8.5 CEMENT HOSE	txt yes / no txt txt	STEEL RE-INFORCED RUBBER Yes Weco Weco
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A. Unit Specifications		
Automatic brake	yes / no	Yes
Safety latch on hooks	yes / no	Yes
Crown saver (limit switch) Boom illumination	yes / no yes / no	Yes Yes
Baskets for personal transfer	number	2
A.9.1 CRANES, REVOLVING, SECUNDARY	THE THE STATE OF T	
Quantity	number	2
Specification (API, etc.)	txt	38T (API2C) - 25T (API2C)
Make	txt	LIEBHERR - LIEBHERR
Туре	txt	DIESEL HYDRAULIC - BOS 25(50)/1000D ELECTRO HYDRAULIC - BOS 25/700
Location	stbd / port / aft / frwd	STBD-MID / STBD-AFT
Boom length	ft	98,43 - 108,27
Hook reach below main deck (block)	ft	107,02 -
Hook reach below main deck (whip)	ft	107,02 -
Block capacitie/hoisting speed - Load / radius / speed (minimum radius)	It/ft/(ft/sec) It/ft/(ft/sec)	37,49/24,9/9,8 - 19,29/98,43/9,8 -
Block capacitie/hoisting speed - Load / radius / speed (maximum radius) Whip capacitie/hoisting speed - Load / radius / speed	It/ft/(ft/sec)	19,29/98,43/9,8 - /
Hook load indicator automatically corrected for boom angle	yes / no	Yes - Yes
Alarm	audible / visual / both	ВОТН - ВОТН
Automatic brake	yes / no	No - No
Safety latch on hooks	yes / no	Yes -Yes
Crown saver (limit switch) Boom illumination	yes / no yes / no	Yes - Yes Yes - Yes
Baskets for personal transfer	number	1
A.9.3 FORKLIFTS		
Quantity	number	2
Make	txt	HYSTER
Type	txt	H40 FTS
Rated capacity Evaluation proof	lbs	4000 NO
Explosion proof A.9.4 MONORAIL OVERHEAD CRANES	yes / no	NO
Quantity	number	2
Make	txt	Hydra lift
Туре	txt	T1123-MA-01
Rated capacity	It	Gantry 39,4lt swl/BOP 98,42lt swl
Location A.9.5 BOP HANDLING SYSTEM	txt	FWD CENTRE/Aft midship.
A.9.5.1 BOP LOWER STACK HANDLING SYSTEM		
Make	txt	A.S. NORMAR
Туре	txt	F2496-10159
Rated capacity	It	200
A.9.5 BOP LMRP HANDLING SYSTEM		
Make	txt	Hydralift
Type Rated capacity	txt	T-1126-02 94 98,42
A.9.6 AIR HOISTS / DERRICK WINCHES		70,42
A.9.6.1 RIG FLOOR WINCHES (NON MAN-RIDING)		
Quantity	number	3 (1 FWD / 1 STBD AFT / 1 PORT AFT)
Make	txt	Ram Winch / Ram Winch / Ram Winch
Type	txt	AW3-24 / K6UAL / K6UAL
Rated capacity Wire diameter	It in	9,82 / 4,46 / 4,46 7/8 - 7/8 - 7/8
Automatic brake	yes / no	no / no / no
Overload protection	yes / no	yes / yes / yes
Automatic spooling	yes / no	no / no / no
A.9.6.2 MONKEY BOARD WORK WINCHES		
Quantity	number	2 (1Port / 1 Stbd)
Make Type	txt txt	Ram Winch (Air Winch) 2540-8ABPT
Rated capacity	It	1,12
Wire diameter	in	3/8
Automatic brake	yes / no	yes
Overload protection	yes / no	yes
Automatic spooling A.9.6.3 RIG FLOOR "MAN-RIDING" WINCH	yes / no	yes
Quantity	number	2 (1 Fwd / 1 Aft)
Make	txt	Ram Winch
Туре	txt	ML1550 (8ABGBPT)
Rated capacity	It	0,69
Wire diameter	in	3/8
Non-twist wire	yes / no	yes
Automatic brake Overload protection	yes / no yes / no	yes yes
Automatic spooling	yes / no	yes
Certified for man-riding	yes / no	yes
A.9.6.4 UTILITY WINCH (I.E. DECK WINCH)		
Quantity	number	1
Make	txt	Ram Winch
Type	tvt	
	txt It	AW3-24
Rated capacity	txt It in	9,82
	It	
Rated capacity Wire diameter	It in	9,82 7/8
Rated capacity Wire diameter Automatic brake Overload protection Automatic spooling	It in yes / no yes / no yes / no	9,82 7/8 no no no
Rated capacity Wire diameter Automatic brake Overload protection Automatic spooling Certified for man-riding	It in yes / no yes / no	9,82 7/8 no no
Rated capacity Wire diameter Automatic brake Overload protection Automatic spooling	It in yes / no yes / no yes / no	9,82 7/8 no no no
Rated capacity Wire diameter Automatic brake Overload protection Automatic spooling Certified for man-riding A.9.6.5 CELLAR DECK WINCH	It in yes / no yes / no yes / no	9,82 7/8 no no no
Rated capacity Wire diameter Automatic brake Overload protection Automatic spooling Certified for man-riding A.9.6.5 CELLAR DECK WINCH Quantity	It in yes / no number	9,82 7/8 no no no no no 2 X Air Winches / 2 X Air Winches / 2 X Man Rider Winches
Rated capacity Wire diameter Automatic brake Overload protection Automatic spooling Certified for man-riding A.9.6.5 CELLAR DECK WINCH	It in yes / no	9,82 7/8 no no no
Rated capacity Wire diameter Automatic brake Overload protection Automatic spooling Certified for man-riding A.9.6.5 CELLAR DECK WINCH Quantity Make	It in yes / no number txt txt	9,82 7/8 no no no no 2 X Air Winches / 2 X Air Winches / 2 X Man Rider Winches Beebe / RAM / RAM
Rated capacity Wire diameter Automatic brake Overload protection Automatic spooling Certified for man-riding A.9.6.5 CELLAR DECK WINCH Quantity Make Type Rated capacity Wire diameter	It in yes / no number txt txt It in	9,82 7/8 no no no no 2 X Air Winches / 2 X Air Winches / 2 X Man Rider Winches Beebe / RAM / RAM 7RFJ / K6UAL / ML1550 -8ABGBPT 3,21 / 4,46 / 0,69 1/2 - 7/8 - 3/8
Rated capacity Wire diameter Automatic brake Overload protection Automatic spooling Certified for man-riding A.9.6.5 CELLAR DECK WINCH Quantity Make Type Rated capacity	It in yes / no number txt txt	9,82 7/8 no no no no 2 X Air Winches / 2 X Air Winches / 2 X Man Rider Winches Beebe / RAM / RAM 7RFJ / K6UAL / ML1550 -8ABGBPT 3,21 / 4,46 / 0,69





A. Unit Specifications		
Overload protection	yes / no	yes / yes / yes
Automatic spooling	yes / no	no / no / yes
Certified for man-riding	yes / no	no / no / yes
A.10 HELICOPTER LANDING DECK		
Location	txt	STBD-FWD
Helicopter landing deck length	ft	85,3
Helicopter landing deck width	ft	85,3
Perimeter safety net	yes / no	YES
Load capacity	lt	12,6
Designed for helicopter type	txt	S-92
Tie down points	yes / no	YES
Covered by foam fire system	yes / no	YES
Heli-refueling system type	txt	N/A
Fuel storage capacity	U.S. gals	N/A
Helideck lighting to aviation spec. As required by contry of operation	yes / no	YES
A.10.1 HELICOPTER REFUELING SYSTEM		
Fuel storage capacity	U.S. gals	N/A
Jettisonable	yes / no	N/A
Fuel transport conteiners	number	N/A
Volume (each)	U.S. gals	N/A
Covered by foam fire system	yes / no	N/A
A.11 AUXILIARY EQUIPMENT		
A.11.1 WATER DISTILLATION		
Quantity	number	2
Make	txt	Alfa Laval
Туре	txt	Single stage vacuum evaporation - Dolphin 30
Capacity (total)	ft3/day	1059,44
A.11.2 BOILERS		
Quantity	number	1
Make	txt	Superior Works Inc.
Туре	txt	8-X-750-S150-GPCF-P2 (Holman Scotch Boiler)
Capacity (total)	lbs/hr	5185
A.11.3 AIR CONDITIONING		
Quantity	number	2
Make	txt	Carrier (Carlyle)
Туре	txt	AHU (5H86-A219)
Capacity (total)	tons	6,3





B. GENERAL RIG SPECIFICATIONS		
B.1 DERRICK AND SUBSTRUCTURE B.1.1 DERRICK / MAST		
Make	txt	Branham Industries
Туре	txt	Dynamic Beam (API 4A)
Rated for wind speed w/ full set back	knots	DRILLING 50; STANDBY 70; SURVIVAL 100
Rated for wind speed w/ no set back	knots	100
Height	ft	180 (Clear)
Base length Base width	ft ft	40 40
Crown length	ft	18
Crown width	ft	18
Gross nominal capacity Maximum number of lines	lt no	625 14
Ladders with safety cages and rests	no. yes / no	yes
Plataform for crown sheave access	yes / no	yes
Counter balance, system for rig tongs and pipe spinning tong	yes / no	yes
Lighting system explosion proof B.1.2 RACKING PLATFORM	yes / no	yes
Make	txt	Patriot
Туре	txt	PMH-B-1400-GA4
Capacity of 5" DP Capacity of 8" DC	ft no.	17000 8
Capacity of 6 DC Capacity of 9" DC	no.	2
B.1.3 RACKING ARM		
Make	txt	Byron Jackson
Type B.1.4 CASING STABBING BOARD	txt	Type V
Make	txt	Aker
Туре	txt	70035BF
Adjustable from x heigth above rotary Adjustable to x heigth above rotary	ft ft	<u> </u>
B.1.5 SUBSTRUCTURE	II.	51
Make	txt	Branham Industries
Type	txt	
Height (above main deck) Length	ft ft	32.8 50
Width	ft	40
Setback capacity	It	256
Simultaneous setback capacity (with simultaneous hookload) Associated hookload (simultaneous setback)	lt It	256 312
Clear height below R/table beams	ft	31
B.1.6 WEATHER PROOFING		
Rig fllor windbreaks height	ft	8
Derrickman windbreaks height B.1.7 DERRICK TV CAMERA SYSTEM	ft	N/A
Camera located at:	txt	Derrick
Make	txt	Electro Flow Controls Ltd.
Type Zoom	txt yes / no	EFC556/558 yes
Pan	yes / no	yes Yes
Tilt	yes / no	yes
Monitor located at: B.2 DRAWWORKS AND ASSOCIATED EQUIPMENT	txt	Drillers's house
B.2.1 DRAWWORKS		
Make	txt	NOV
Type Motors Make	txt txt	1625 UDBE GE
Motors Type	txt	GE752
Motors Quantity	no.	3
Rated input power continuous	hp	2400 N/A
Rated output power continuous Rated input power maximum	hp hp	N/A 3000
Rated output power maximum	hp	N/A
Drum type	txt	spiral groove
Drum diameter Wire diameter	in in	361 5/8
Maximum line pull 12 lines	lt	678
Maximum line pull 10 lines	lt	580
Maximum line pull 8 lines Spinning cathead type	lt txt	475 N.O.V Type A1
Breakout type	txt	N.O.V Type A1
Crown block safety device make	txt	NOV
Crown block safety device type	txt	Crown-o-matic
Independent fresh water cooling sys for drawworks and electric brake B.2.2 AUXILIARY BRAKE	yes / no	yes
Make	txt	Baylor
Model	txt	Elmago 7838
ndependent back-up system type B.2.3 SANDLINE	txt	NOV Batery Backup
Make	txt	N/A
Length capacity	ft	N/A
Line size Line type	in txt	N/A N/A
Line type Breaking strength	txt It	N/A N/A
Safe working load	It .	N/A
B.2.4 WIRELINE		Made
Make	txt ft	<u>Mathey</u> 55000
Length capacity		
	in	0.092
Line size Line type	in txt	slick line
Line size Line type Breaking strength	in txt	slick line 0,65
Length capacity Line size Line type Breaking strength Safe working load B.2.5 AUTOMATIC DRILLER	in txt	slick line





B.1 DERRICK AND SUBSTRUCTURE	bb	NI/A
Type B.3 DERICK HOISTING EQUIPMENT	txt	N/A
B.3.1 CROWN BLOCK Make	txt	Branham
Гуре	txt	Cluster
Rated capacity	It	625
No. Of shaves	no.	7
Sheaves diameter	in	60
Sheave grooved for line size	in	1-5/8
3.3.2 TRAVEL BLOCK		NI-RI
Make	txt	National 760H650
Type Rated capacity	txt It	580,68
No. Of shaves	no.	7
Sheaves diameter	in	60
Sheave grooved for line size	in	1 5/8
3.3.3 HOOK		
Make	txt	NOV
уре	txt	650
Rated capacity	It	580
Complete with spring assembly/hook locking device	yes / no	yes
3.3.3 SWIVEL		
Make	txt	National
ype	txt	650
est pressure	lt nsi	639,73 5000
est pressure Vorking pressure	psi psi	5000
vorking pressure Gooseneck and washpipe minimum ID >= 76mm	yes / no	Yes
eft hand pin connection size	yes 7 no in	6 5/8
Access fitting for wireline entry on top of gooseneck	yes / no	yes
.3.3 DRILLING LINE	,5576	<i>y</i>
Diameter	in	1 5/8
уре	txt	6 x 26W5 Tuf - Kote
ength (original)	ft	10000
upport frame for drum/cover	yes / no	Yes
Orilling line drum power driven	yes / no	No
pare reel drilling line	yes / no	Yes
pare reel location (rig, shore, etc)	txt	Shore
3.3.6 ANCHOR DEAD LINE		
Make	txt	Martin Decker
ype Maight consor	txt yes / no	EB
Weight sensor 3.3.7 DRILLING STRING MOTION COMPENSATOR	yes / no	yes
Make	txt	Shaffer
Type	txt	600K
Stroke	ft	25
Capacity - compensated	lt lt	600000 lbs
Capacity - locked	It	1500000lbs
3.3.8 BLOCK GUIDANCE SYSTEM		
Make	txt	Dreco
Гуре	txt	Dolly Assembly
3.3.9 RETRACTION SYSTEM FOR TRAVELING BLOCK		
Make	txt	N/A
Type 3.4 ROTATING SYSTEM	txt	N/A
3.4.1 ROTARY TABLE		
Make	txt	NOV
ype	txt	D-495
waximum opening	in	49,5
Rated capacity	in It	984,21
Rated capacity static load capacity	It It	984,21 787,37
Rated capacity Static load capacity Rotating load capacity	It It It	984,21 787,37 295,26
Rated capacity tatic load capacity Rotating load capacity Associated RPM (rotating load)	It It It rpm	984,21 787,37 295,26 300
Rated capacity Static load capacity Rotating load capacity Associated RPM (rotating load) wo speed gearbox	It It It It It It It It	984,21 787,37 295,26 300 yes
tated capacity tatic load capacity totating load capacity ssociated RPM (rotating load) wo speed gearbox mergency chain drive	It It It It It It It It	984,21 787,37 295,26 300 yes no
tated capacity tatic load capacity totating load capacity totating load capacity totating load (rotating load) totating load (rotating load) totating load (rotating load) total load (rotating load)	It	984,21 787,37 295,26 300 yes no yes
tated capacity tatic load capacity totating load) two speed gearbox	It	984,21 787,37 295,26 300 yes no yes GE
tated capacity tatic load capacity totating load capacity ssociated RPM (rotating load) wo speed gearbox mergency chain drive triven by an electric motor lectric motor make lectric motor type	It	984,21 787,37 295,26 300 yes no yes GE
tated capacity tatic load capacity totating load capacity associated RPM (rotating load) wo speed gearbox mergency chain drive briven by an electric motor lectric motor make lectric motor type Dutput power	It	984,21 787,37 295,26 300 yes no yes GE GE752 800
tated capacity tatic load capacity totating load capacity ssociated RPM (rotating load) wo speed gearbox mergency chain drive Oriven by an electric motor lectric motor make lectric motor type Output power Maximum continuous torque	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166
tated capacity tatic load capacity totating load capacity ssociated RPM (rotating load) wo speed gearbox mergency chain drive Oriven by an electric motor lectric motor make lectric motor type Output power Maximum continuous torque Orip pan/mud collection system	It	984,21 787,37 295,26 300 yes no yes GE GE752 800
tated capacity tatic load capacity totating load) two speed gearbox the	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166
Rated capacity Static load capacity Rotating load capacity Associated RPM (rotating load) We speed gearbox Emergency chain drive Oriven by an electric motor Electric motor make Electric motor type Output power Maximum continuous torque Orip pan/mud collection system B.4.2 MASTER BUSHING Make Make	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166 yes
Rated capacity Itatic load capacity Rotating load capacity Rossociated RPM (rotating load) Wo speed gearbox Imergency chain drive Oriven by an electric motor Rectric motor make Relectric motor type Output power Maximum continuous torque Orip pan/mud collection system S.4.2 MASTER BUSHING Make Rossociated RPM (rotating load) Wo speed gearbox Maximum continuous drive Maximum continuous torque Drip pan/mud collection system Maximum continuous torque Series BUSHING Make Rossociated RPM (rotating load) Wo speed gearbox Maximum continuous torque	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166 yes
Rated capacity Itatic load capacity Rotating load capacity Rossociated RPM (rotating load) Wo speed gearbox Imergency chain drive Driven by an electric motor Rectric motor make Rectric motor type Dutput power Maximum continuous torque Drip pan/mud collection system B.4.2 MASTER BUSHING Make Rossert bowls (see G.1.7) B.4.3 KELLY BUSHING	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166 yes Varco Split Yes
Rated capacity Itatic load capacity Rotating load capacity Rossociated RPM (rotating load) Wo speed gearbox Imergency chain drive Driven by an electric motor Rectric motor make Rectric motor type Dutput power Maximum continuous torque Drip pan/mud collection system 8.4.2 MASTER BUSHING Make Rype Pasert bowls (see G.1.7) 8.4.3 KELLY BUSHING Make	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166 yes Varco Split Yes
tated capacity tatic load capacity totating load) totating load capacity totating load capa	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166 yes Varco Split Yes
tated capacity tatic load capacity totating l	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166 yes Varco Split Yes
tated capacity tatic load capacity totating load capacity tossociated RPM (rotating load) wo speed gearbox mergency chain drive triven by an electric motor lectric motor make lectric motor type totating load capacity totating loa	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166 yes Varco Split Yes N/A N/A N/A
tatic load capacity totating load capacity to speed gearbox the speed gearbox th	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166 yes Varco Split Yes N/A N/A N/A N/A
tatic load capacity totating load capacity ssociated RPM (rotating load) wo speed gearbox mergency chain drive Driven by an electric motor lectric motor make lectric motor type Output power Maximum continuous torque Orip pan/mud collection system 1.4.2 MASTER BUSHING Make Type The sert bowls (see G.1.7) 1.4.3 KELLY BUSHING Make Type Oock down assembly 1.4.4 TOP DRIVE Make Type	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166 yes Varco Split Yes N/A N/A N/A N/A N/A NOV TDS-4S
tatic load capacity totating load capacity ssociated RPM (rotating load) wo speed gearbox mergency chain drive Driven by an electric motor lectric motor make lectric motor type Dutput power Maximum continuous torque Drip pan/mud collection system 1.4.2 MASTER BUSHING Make Lype Since See G.1.7) 1.4.3 KELLY BUSHING Make Lype Ock down assembly 1.4.4 TOP DRIVE Make Lype Lated capacity	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166 yes Varco Split Yes N/A N/A N/A N/A N/A NOV TDS-4S 580
tatic load capacity totating load capacity ssociated RPM (rotating load) wo speed gearbox mergency chain drive driven by an electric motor lectric motor make lectric motor type dutput power Maximum continuous torque drip pan/mud collection system 1.4.2 MASTER BUSHING Make type district bowls (see G.1.7) 1.4.3 KELLY BUSHING Make type dock down assembly 1.4.4 TOP DRIVE Make type diated capacity est pressure	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166 yes Varco Split Yes N/A N/A N/A N/A N/A N/A NOV TDS-4S 580 5000
tated capacity tatic load capacity totating load capacity tosociated RPM (rotating load) two speed gearbox mergency chain drive triven by an electric motor tectric motor make tectric motor type totating load capacity town by an electric motor tectric motor type totating power that it is a specific motor type to the pan/mud collection system that is a specific motor type to the pan/mud collection system that is a specific motor type to the pan/mud collection system that is a specific motor type to the pan/mud collection system that is a specific motor type to the total collection system that is a specific motor type to the total capacity that is a specific motor type to the total capacity that is a specific motor type to the total capacity	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166 yes Varco Split Yes N/A N/A N/A N/A N/A N/A N/A SOU TDS-4S 580 5000 5000
Rated capacity Itatic load capacity Rotating load capacity Rosociated RPM (rotating load) Rosociated Resociated Re	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166 yes Varco Split Yes N/A N/A N/A N/A N/A N/A N/A NOV TDS-4S 580 5000
Rated capacity Ratetic load capacity Rotating load capacity Rosociated RPM (rotating load) Rotating load capacity Rosociated RPM (rotating load) Rotating load capacity Rosociated RPM (rotating load) Rotating load capacity Rotating load capacity Rotating load Rotating RPM (rotating load) Rotating RPM (rota	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166 yes Varco Split Yes N/A N/A N/A N/A N/A N/A N/A 105-48 580 5000 5000 1130 50900 yes
Rated capacity Itatic load capacity Rotating load capacity Rossociated RPM (rotating load) Ros	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166 yes Varco Split Yes N/A N/A N/A N/A N/A N/A N/A NOV TDS-4S 580 5000 5000 1130 50900 yes 205
Maximum opening Rated capacity Static load capacity Rotating load capacity Rossociated RPM (rotating load) We speed gearbox Emergency chain drive Driven by an electric motor Electric motor make Electric motor type Dutput power Maximum continuous torque Drip pan/mud collection system 3.4.2 MASTER BUSHING Make Type Insert bowls (see G.1.7) 3.4.3 KELLY BUSHING Make Type Toock down assembly 3.4.4 TOP DRIVE Make Type Rated capacity Test pressure Working pressure Doutput power Maximum continuous torque Maximum continuous torque We speed gearbox Maximum rotary speed Remote operated kelly cock	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166 yes Varco Split Yes N/A N/A N/A N/A N/A N/A Sooo 5000 5000 1130 50900 yes 205 yes
Rated capacity Static load capacity Rotating load capacity Associated RPM (rotating load) wo speed gearbox mergency chain drive Driven by an electric motor Electric motor make Electric motor type Dutput power Maximum continuous torque Drip pan/mud collection system B.4.2 MASTER BUSHING Make ype Insert bowls (see G.1.7) B.4.3 KELLY BUSHING Make ype Ock down assembly B.4.4 TOP DRIVE Make ype Rated capacity Fest pressure Norking pressure Norking pressure Maximum continuous torque Maximum rotary speed Remote operated kelly cock Colling system type	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166 yes Varco Split Yes N/A N/A N/A N/A N/A N/A N/A NOV TDS-4S 580 5000 5000 1130 50900 yes 205
Rated capacity Static load capacity Rotating load capacity Rosciated RPM (rotating load) Wo speed gearbox Emergency chain drive Driven by an electric motor Electric motor make Electric motor type Dutput power Maximum continuous torque Drip pan/mud collection system 8.4.2 MASTER BUSHING Make Ype Insert bowls (see G.1.7) 8.4.3 KELLY BUSHING Make Ype Ock down assembly 8.4.4 TOP DRIVE Make Ype Rated capacity Fest pressure Norking pressure Norking pressure Maximum continuous torque Wo speed gearbox Maximum continuous torque Wo speed gearbox Maximum contravy speed Remote operated kelly cock Colling system type 8.4.4.1 TOP DRIVE MAKEOUT/BREAKOUT SYSTEM	It	984,21 787,37 295,26 300 yes no yes GE GE GE752 800 4166 yes Varco Split Yes N/A N/A N/A N/A N/A N/A N/A 105-4S 580 5000 5000 1130 50900 yes 205 yes Local Blower
Rated capacity Static load capacity Rotating load capacity Associated RPM (rotating load) wo speed gearbox mergency chain drive Driven by an electric motor Electric motor make Electric motor type Dutput power Maximum continuous torque Drip pan/mud collection system B.4.2 MASTER BUSHING Make ype Insert bowls (see G.1.7) B.4.3 KELLY BUSHING Make ype Ock down assembly B.4.4 TOP DRIVE Make ype Rated capacity Fest pressure Norking pressure Norking pressure Maximum continuous torque Maximum rotary speed Remote operated kelly cock Colling system type	It	984,21 787,37 295,26 300 yes no yes GE GE752 800 4166 yes Varco Split Yes N/A N/A N/A N/A N/A N/A Sooo 5000 5000 1130 50900 yes 205 yes





B.1 DERRICK AND SUBSTRUCTURE		
B.5 Drilling System		
Make	txt	NOV
Model	txt	Rig Sense
Software Version	txt	3,21
Attached Data Logger Available	yes / no	yes
External Data Port (Serial/Ethernet/etc) Available on Data Logger	yes / no	yes
Which (external data port)	txt	Serial
Sofftware Protocols Available on External Data Port (OPC, WITS, WITSML, Profibus, Modbus, Canbus, e	txt	OPC, WITS, WITSML
Serial/Parallel Port for Alarm Printer Available	yes / no	yes





C. POWER SUPPLY SYSTEMS		
C.1 RIG POWER PLANT C.1.1 DIESEL ENGINES		
Quantity	no.	9 / 4
Make	txt	Ruston / Caterpillar
Туре	txt	12 RKC / 3516DITA
Maximum continuous power	hp	2682 / 1528
At rotation speed of Equipped with spark arrestors	rpm yes / no	900 /1200 Yes / Yes
Mufflers installed	yes / no	Yes / Yes
Total fuel consumption drilling (average)	bbl/day	193 / 83,7
C.1.2 DC - GENERATOR		
Quantity	no.	N/A
Make	txt	N/A N/A
Type Continuous power	kw	N/A
At rotation speed of	rpm	N/A
Output volts	volts	N/A
C.1.3 AC - GENERATOR		
Quantity Make	no. txt	9 / 4 Brush / Caterpillar
Type	txt	BJSHW50-132 / SR-4
Continuous power	kw	2000 / 1140
At rotation speed of	rpm	900 / 1200
Output volts	volts	6000 / 600
C.1.4 SCR SYSTEM		r
Number of SCR Make	no. txt	5 Ansaldo Ross Hill
Type	txt	M1660
Maximum continuous power (total)	kw	5850
Output volts	volts	660
C.1.5 TRANSFORMER SYSTEM		
Quantity Make	no.	4 Pruch
Make Type	txt	Brush E6422852
Continuous power (each)	kw	1500
Output volts	volts	440
Frequency	Hz	60
C.1.6 EMERGENCY SHUTDOWN	44	Facility and the 100
Emergency shutdown switches for complete power sys located at: C.1.7 AUXILLIARY POWER SUPPLY	txt	Engine room 1&2
Power supply for mud logging unit	yes / no	yes
Output volts	volts	440
Frequency	Hz	60
Current	amps	20
Phase C.1.8 COMPRESSED AIR SYSTEMS	single / three	three
C.1.8.1 HIGH PRESSURE		
Quantity	no.	2
Quantity Make	txt	2 H.P Price
Quantity Make Model	txt txt	W-3
Quantity Make Model Rated capacity	txt txt ft3/hr	W-3 6600
Quantity Make Model Rated capacity Working pressure	txt txt ft3/hr psi	W-3 6600 2300
Quantity Make Model Rated capacity	txt txt ft3/hr	W-3 6600
Quantity Make Model Rated capacity Working pressure Prime mover (electric/diesel) continuous power Air dryers Quantity Air dryers Make	txt txt ft3/hr psi hp no. txt	W-3 6600 2300 75 2 zander
Quantity Make Model Rated capacity Working pressure Prime mover (electric/diesel) continuous power Air dryers Quantity Air dryers Make Air dryers Type	txt txt ft3/hr psi hp no. txt	W-3 6600 2300 75 2 zander HP ADSORPTION AIR DRYER HDAK 40 250
Quantity Make Model Rated capacity Working pressure Prime mover (electric/diesel) continuous power Air dryers Quantity Air dryers Make Air dryers Type Air dryers Rated capacity	txt txt ft3/hr psi hp no. txt	W-3 6600 2300 75 2 zander
Quantity Make Model Rated capacity Working pressure Prime mover (electric/diesel) continuous power Air dryers Quantity Air dryers Make Air dryers Type Air dryers Rated capacity C.1.8.2 MEDIUM PRESSURE (RIG AIR)	txt txt txt ft3/hr psi hp no. txt txt txt ft3/min	W-3 6600 2300 75 2 zander HP ADSORPTION AIR DRYER HDAK 40 250
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C.1 RIG POWER PLANT		
Output volts	volts	440
Capable of back-feeding power to main bus	yes / no	yes
C.3 PRIMARY ELECTRIC MOTORS		
C.3.1 PROPULSION MOTORS		
Propulsion Motors type	txt	Thrusters - TT - 105/75 (tunnel) & TCNP-105/75 (Compass)
C.3.2 THRUSTER MOTORS		
Quantity	no.	9
Type (AC/DC)	txt	AC
Power of each	MW	1,79
Total power	MW	16,11
C.4 POWER MANAGEMENT SYSTEM		
Make (DP)	txt	Simrad Kongsberg
Model (DP)	txt	SCV-OS
Software Version	txt	6.7 Upgrade 10
Attached Data Logger Available	yes / no	yes
External Data Port (Serial/Ethernet/etc) Available on Data Logger	yes / no	yes
Which (external data port)	txt	paralell
Sofftware Protocols Available on External Data Port (OPC,WITS,WITSML,Profibus,Modbus,Canbus, etc)	txt	N/A
Serial/Parallel Port for Alarm Printer Available	yes / no	N/A





D. DRILLSTRING EQUIPMENT		
D.1 TUBULARS	1	
D.1.1 KELLYS		NI / A
Quantity Nominal size OD	no. in	N/A N/A
Shape type (hexagonal, square, triangular)	txt	N/A
Total length	ft	N/A
Working length	ft	N/A
Connection type API classification	txt	N/A N/A
D.1.1 KELLY SAVER SUBS	txt	IV/A
Quantity	no.	N/A
Nominal kelly size	in	N/A
Connection type API classification	txt	N/A N/A
Protector	yes / no	N/A
D.1.3 DRILL PIPE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
D.1.3.1 DRILL PIPE 5"	yes / no	yes
Grade	txt	S135
Total length Range	ft txt	3600
Weight	lbs/ft	19.5
Internally plastic coated	yes / no	yes
Tool joint OD	in	6 5/8
Tool joint ID	in .	3
Tool joint pin length (original) Tapered shoulder tool joints (box)	in degree	9 18
Tapered shoulder tool joints (box) Tapered shoulder tool joints (pins)	degree	35
Connection type	txt	4 1/2" IF
Type of hardfacing	txt	N/A
API classification	txt	SPEC 7
Thread protectors D.1.3.2 DRILL PIPE 5 1/2"	yes / no yes / no	yes yes
Grade	txt	yes S-135
Total length	ft	22712
Range	txt	2
Weight Unternally plastic control	lbs/ft	22
Internally plastic coated Tool joint OD	yes / no in	yes 7
Tool joint ID	in	4
Tool joint pin length (original)	in	10
Tapered shoulder tool joints (box)	degree	18
Tapered shoulder tool joints (pins)	degree	35
Connection type Type of hardfacing	txt txt	5-1/2" FH TCS 8000
API classification	txt	SPEC 7
Thread protectors	yes / no	yes
D.1.3.3 DRILL PIPE 5 7/8"	yes / no	no.
Grade	txt	N/A
Total length Range	ft txt	N/A N/A
Weight	lbs/ft	N/A
		N/A
Internally plastic coated	yes / no	N/A
Tool joint OD	in	N/A
Tool joint OD Tool joint ID	in in	N/A N/A
Tool joint OD Tool joint ID Tool joint pin length (original)	in in in	N/A N/A N/A
Tool joint OD Tool joint ID Tool joint pin length (original) Tapered shoulder tool joints (box)	in in in degree	N/A N/A N/A N/A
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Tool joint OD Tool joint ID Tool joint pin length (original) Tapered shoulder tool joints (box) Tapered shoulder tool joints (pins) Connection type Type of hardfacing API classification Thread protectors	in in in degree degree txt txt txt yes / no	N/A
Tool joint OD Tool joint ID Tool joint pin length (original) Tapered shoulder tool joints (box) Tapered shoulder tool joints (pins) Connection type Type of hardfacing API classification	in in in degree degree txt txt	N/A
Tool joint OD Tool joint ID Tool joint pin length (original) Tapered shoulder tool joints (box) Tapered shoulder tool joints (pins) Connection type Type of hardfacing API classification Thread protectors D.1.3.4 DRILL PIPE 6 5/8" Grade Total length	in in in degree degree txt txt txt txt yes / no yes / no txt ft	N/A
Tool joint OD Tool joint ID Tool joint pin length (original) Tapered shoulder tool joints (box) Tapered shoulder tool joints (pins) Connection type Type of hardfacing API classification Thread protectors D.1.3.4 DRILL PIPE 6 5/8" Grade Total length Range	in in in degree degree txt txt txt txt yes / no yes / no txt ft txt	N/A
Tool joint OD Tool joint ID Tool joint pin length (original) Tapered shoulder tool joints (box) Tapered shoulder tool joints (pins) Connection type Type of hardfacing API classification Thread protectors D.1.3.4 DRILL PIPE 6 5/8" Grade Total length Range Weight	in in in degree degree txt txt txt txt yes / no yes / no txt txt ft txt libs/ft	N/A
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Tool joint OD Tool joint ID Tool joint pin length (original) Tapered shoulder tool joints (box) Tapered shoulder tool joints (pins) Connection type Type of hardfacing API classification Thread protectors D.1.3.4 DRILL PIPE 6 5/8" Grade Total length Range Weight	in in in degree degree txt txt txt txt txt txt txt yes / no yes / no txt ft txt txt txt txt ft txt txt	N/A
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Tool joint DD Tool joint pin length (original) Tapered shoulder tool joints (box) Tapered shoulder tool joints (pins) Connection type Type of hardfacing API classification Thread protectors D.1.3.4 DRILL PIPE 6 5/8" Grade Total length Range Weight Internally plastic coated Tool joint DD Tool joint ID Tool joint pin length (original) Tapered shoulder tool joints (pins) Connection type Type of hardfacing API classification Thread protectors D.1.3.5 DRILL PIPE 3 1/2" Grade Total length Tool joint DD Tool joint DD Tool joint pin length (original) Tapered shoulder tool joints (pins) Connection type Type of hardfacing API classification Thread protectors D.1.3.5 DRILL PIPE 3 1/2" Grade Total length Range Weight Internally plastic coated Tool joint OD Tool joint ID Tool join	in in in degree degree txt txt txt txt yes / no yes / no txt ft txt lbs/ft yes / no in in in degree degree txt txt txt txt txt txt txt txt txt t	N/A
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Tool joint DD Tool joint pin length (original) Tapered shoulder tool joints (box) Tapered shoulder tool joints (pins) Connection type Type of hardfacing API classification Thread protectors D.1.3.4 DRILL PIPE 6 5/8" Grade Total length Range Weight Internally plastic coated Tool joint DD Tool joint pin length (original) Tapered shoulder tool joints (pins) Connection type Type of hardfacing API classification Thread protectors D.1.3.5 DRILL PIPE 3 1/2" Grade Total length Range Weight Internally plastic coated Tool joint DD Tool joint DD Tool joint pin length (original) Tapered shoulder tool joints (box) Tapered shoulder tool joints (pins) Connection type Type of hardfacing API classification Thread protectors D.1.3.5 DRILL PIPE 3 1/2" Grade Total length Range Weight Internally plastic coated Tool joint DD Tool	in in in in degree degree txt txt txt txt yes / no yes / no txt ft txt lbs/ft yes / no in in in degree degree txt txt txt txt txt txt txt txt txt t	N/A





D.1 TUBULARS		
Tool joint ID	in	4
Weight Connection type	lbs/ft txt	21,9 5 1/2" FH
Internally plastic coated	yes / no	yes
Thread protectors	yes / no	yes
Length (a) Quantity (a)	no.	2
Length (b)	ft	10
Quantity (b) Length (c)	no.	2 15
Quantity (c)	no.	2
D.1.4.2 KIT 2 (BY OD/ID)		
Tool joint OD Tool joint ID	in in	6 5/8 3
Weight	lbs/ft	19,5
Connection type	txt	4 1/2" IF
Internally plastic coated Thread protectors	yes / no yes / no	yes yes
Length (a)	ft	5
Quantity (a)	no.	2
Length (b) Quantity (b)	no.	10
Length (c)	ft	15
Quantity (c)	no.	2
D.1.4.3 KIT 3 (BY OD/ID) Tool joint OD	in	5 1/2
Tool joint ID	in	2 1/4
Weight	lbs/ft	13,5
Connection type Internally plastic coated	txt yes / no	3 1/2" IF yes
Thread protectors	yes / no	yes
Length (a)	ft	5
Quantity (a) Length (b)	no.	10
Quantity (b)	no.	2
Length (c)	ft	15
Quantity (c) D.1.5 DRILL PIPE CASING PROTECTORS	no.	2
Initial stock	no.	no.
Make	txt	N/A
Type OD	txt in	N/A N/A
Instalation tools	manual / hydraulic / none	
D.1.6 HEAVY WEIGHT DRILL PIPE		
D.1.6.1 HEAVY WEIGHT DRILL PIPE - SPIRAL Quantity	no.	30
	110.	
Nominal size OD	in	6 5/8
Weight	lbs/ft	73,6
Weight Range	lbs/ft txt	73,6 2
Weight	lbs/ft	73,6 2 6 5/8 3
Weight Range Tool joint OD Tool joint ID Type of hardfacing	lbs/ft txt in in txt	73,6 2 6 5/8 3 N/A
Weight Range Tool joint OD Tool joint ID Type of hardfacing Internally plastic coated	lbs/ft txt in in txt yes / no	73,6 2 6 5/8 3 N/A yes
Weight Range Tool joint OD Tool joint ID Type of hardfacing Internally plastic coated Connection type Thread protectors	lbs/ft txt in in txt	73,6 2 6 5/8 3 N/A
Weight Range Tool joint OD Tool joint ID Type of hardfacing Internally plastic coated Connection type Thread protectors D.1.6.2 HEAVY WEIGHT DRILL PIPE	lbs/ft txt in in txt yes / no txt yes / no	73,6 2 6 5/8 3 N/A yes 6 5/8" FH yes
Weight Range Tool joint OD Tool joint ID Type of hardfacing Internally plastic coated Connection type Thread protectors D.1.6.2 HEAVY WEIGHT DRILL PIPE Quantity	lbs/ft txt in in txt yes / no txt	73,6 2 6 5/8 3 N/A yes 6 5/8" FH yes
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Weight Range Tool joint OD Tool joint ID Type of hardfacing Internally plastic coated Connection type Thread protectors D.1.6.2 HEAVY WEIGHT DRILL PIPE Quantity Nominal size OD Weight Range	lbs/ft txt in in txt yes / no txt yes / no in lbs/ft txt txt	73,6 2 6 5/8 3 N/A yes 6 5/8" FH yes 35 6 5/8 50 2
Weight Range Tool joint OD Tool joint ID Type of hardfacing Internally plastic coated Connection type Thread protectors D.1.6.2 HEAVY WEIGHT DRILL PIPE Quantity Nominal size OD Weight Range Tool joint OD	lbs/ft txt in in txt yes / no txt yes / no no. in lbs/ft	73,6 2 6 5/8 3 N/A yes 6 5/8" FH yes 35 6 5/8 50
Weight Range Tool joint OD Tool joint ID Type of hardfacing Internally plastic coated Connection type Thread protectors D.1.6.2 HEAVY WEIGHT DRILL PIPE Quantity Nominal size OD Weight Range Tool joint OD Tool joint ID Type of hardfacing	lbs/ft txt in in txt yes / no txt yes / no in lbs/ft txt txt in lbs/ft txt in in txt	73,6 2 6 5/8 3 N/A yes 6 5/8" FH yes 35 6 5/8 50 2 6 5/8 3 N/A
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Weight Range Tool joint OD Tool joint ID Type of hardfacing Internally plastic coated Connection type Thread protectors D.1.6.2 HEAVY WEIGHT DRILL PIPE Quantity Nominal size OD Weight Range Tool joint OD Tool joint OD Tool joint ID Type of hardfacing Internally plastic coated Connection type Thread protectors D.1.7. DRILL COLLARS D.1.7.1 KIT 1 Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "izp" elevator Recess for slips Stress relief pin groove	libs/ft txt in in txt yes / no txt yes / no no. in libs/ft txt in in txt yes / no txt yes / no no. in libs/ft txt in in txt yes / no txt yes / no txt yes / no txt yes / no yes / no yes / no yes / no	73,6 2 6 5/8 3 N/A yes 6 5/8" FH yes 35 6 5/8 50 2 6 5/8 3 N/A yes 4 1/2" IF yes 10 9 1/2 3 31.3 spiral yes yes
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Weight Range Tool joint OD Tool joint ID Type of hardfacing Internally plastic coated Connection type Thread protectors D.1.6.2 HEAVY WEIGHT DRILL PIPE Quantity Nominal size OD Weight Range Tool joint ID Type of hardfacing Internally plastic coated Connection type Thread protectors D.1.7 DRILL COLLARS D.1.7 I KIT 1 Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for 'zip' elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.7 KIT 2	libs/ft txt in in txt yes / no txt yes / no no. in libs/ft txt in in txt yes / no in in ft slick / spiral yes / no yes / no yes / no txt	73,6 2 6 5/8 3 N/A yes 6 5/8" FH yes 35 6 5/8 50 2 6 5/8 3 N/A yes 4 1/2" IF yes 10 9 1/2 3 31.3 spiral yes yes yes yes
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Weight Range Tool joint OD Tool joint ID Type of hardfacing Internally plastic coated Connection type Thread protectors D.1.6.2 HEAVY WEIGHT DRILL PIPE Quantity Nominal size OD Weight Range Tool joint OD Tool joint OD Tool joint ID Type of hardfacing Internally plastic coated Connection type Thread protectors D.1.7 DRILL COLLARS D.1.7.1 KIT 1 Quantity OD Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.7.2 KIT 2 Quantity OD Body Nominal length of each joint Drill collar body Recess for slips Stress relief pin groove Boreback on box Connection type D.1.7.2 KIT 2 Quantity OD Body Nominal length of each joint Drill collar body Nominal length of each joint	libs/ft txt in in txt yes / no txt yes / no no. in libs/ft txt in in txt yes / no txt tyes / no txt tyes / no in ft slick / spiral yes / no yes / no yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt	73.6 2 6 5/8 3 N/A yes 6 5/8" FH yes 35 6 5/8 50 2 6 5/8 3 N/A yes 4 1/2" IF yes 10 9 1/2 3 31.3 spiral yes
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Weight Range Tool joint OD Tool joint ID Type of hardfacing Internally plastic coated Connection type Thread protectors D.1.6.2 HEAVY WEIGHT DRILL PIPE Quantity Nominal size OD Weight Range Tool joint OD Tool joint ID Type of hardfacing Internally plastic coated Connection type Thread protectors D.1.7 INIT COLLARS D.1.7, IKIT 1 Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Recess for "zip" elevator Recess for zip" elevator	libs/ft txt in in txt yes / no txt yes / no no. in libs/ft txt in in txt yes / no in ft slick / spiral yes / no yes / no txt no. in in ft slick / spiral yes / no	73.6 2 6 5/8 3 N/A yes 6 5/8*FH yes 35 6 5/8 50 2 6 5/8 3 N/A yes 4 1/2" IF yes 10 9 1/2 3 31.3 spiral yes
Weight Range Tool joint OD Tool joint ID Type of hardfacing Internally plastic coated Connection type Thread protectors D.1.6.2 HEAVY WEIGHT DRILL PIPE Quantity Nominal size OD Weight Range Tool joint OD Tool joint ID Type of hardfacing Internally plastic coated Connection type Thread protectors D.1.7.1 RIIL Outlars D.1.7.1 RIIL COLLARS D.1.7.1 RIIL Ouantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.7.2 KII 2 Ouantity OD Body ID Body Nominal length of each joint Drill collar body Recess for slips Stress relief pin groove Boreback on box Connection type D.1.7.2 KII 2 Ouantity OD Body ID Body ID Body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.7.2 KII 2 Ouantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove	libs/ft txt in in txt yes / no txt yes / no no. in libs/ft txt in in txt yes / no in lin ft slick / spiral yes / no yes / no txt no. in in ft slick / spiral yes / no txt no. in in ft slick / spiral yes / no	73.6 2 6 5/8 3 N/A yes 6 5/8" FH yes 35 6 5/8 50 2 6 5/8 3 N/A yes 4 1/2" IF yes 10 9 1/2 3 31.3 spiral yes yes yes 7 5/8" Reg 15 8 3 3 1.28 spiral yes yes yes yes
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D.1 TUBULARS	I u	
Drill collar body	slick / spiral	spiral
Recess for "zip" elevator Recess for slips	yes / no yes / no	yes yes
Stress relief pin groove	yes / no	yes yes
Boreback on box	yes / no	yes
Connection type	txt	4 1/2" IF
D.1.7.4 KIT 4		
Quantity	no.	24
OD Body	in	4 3/4
ID Body	in	2 1/2
Nominal length of each joint	ft	31.28
Drill collar body	slick / spiral	spiral
Recess for "zip" elevator Recess for slips	yes / no yes / no	yes yes
Stress relief pin groove	yes / no	yes
Boreback on box	yes / no	yes
Connection type	txt	3 1/2 IF
D.1.8 SHORT DRILL COLARS		
D.1.8.1 KIT 1		
Quantity	no.	1
OD Body	in .	9.5
ID Body	ft ft	3
Nominal length of each joint Stress relief pin groove	yes / no	10
Boreback on box	yes / no	yes yes
Connection type	txt	7 5/8" Reg
D.1.8.2 KIT 2		
Quantity	no.	1
OD Body	in	9.5
ID Body	in	3
Nominal length of each joint	ft vos / no	15 Vec
Stress relief pin groove Boreback on box	yes / no	yes ves
Connection type	yes / no txt	yes 7 5/8" Reg
D.1.8.3 KIT 3		
Quantity	no.	1
OD Body	in	8
ID Body	in	3
Nominal length of each joint	ft	12
Stress relief pin groove	yes / no	yes
Boreback on box	yes / no	yes
Connection type D.1.8.4 KIT 4	txt	6 5/8" Reg
Quantity	no.	3
OD Body	in	6 3/4
ID Body	in	2 13/16
Nominal length of each joint	ft	12
Stress relief pin groove	ft yes / no	yes
Stress relief pin groove Boreback on box	yes / no	yes yes
Stress relief pin groove Boreback on box Connection type		yes yes 4 1/2" IF
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS	yes / no txt	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity	yes / no txt no.	yes yes 4 1/2" IF N/A N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body	yes / no txt no. in	yes yes 4 1/2" IF N/A N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body	yes / no txt no.	yes yes 4 1/2" IF N/A N/A N/A N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body	yes / no txt no. in	yes yes 4 1/2" IF N/A N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator	yes / no txt no. in in ft slick / spiral yes / no	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips	yes / no txt no. in in ft slick / spiral yes / no yes / no	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove	yes / no txt no. iin iin ft slick / spiral yes / no yes / no yes / no	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box	yes / no txt no. iin iin ft slick / spiral yes / no	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type	yes / no txt no. iin iin ft slick / spiral yes / no yes / no yes / no	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type	yes / no txt no. iin iin ft slick / spiral yes / no	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no.	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt txt yes / no	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt txt yes / no	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 STABILIZERS D.1.11.1 KIT 1 Hole size	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt txt yes / no	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 STABILIZERS D.1.11 KIT 1 Hole size Quantity Hole size	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt yes / no txt txt in in ft txt yes / no yes / no	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 STABILIZERS D.1.1.1 KIT 1 Hole size Quantity Make Quantity Make	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt yes / no txt txt in in ft txt yes / no yes / no txt txt txt in	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 STABILIZERS D.1.11 KIT 1 Hole size Quantity Make OD blades	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt yes / no txt txt in in ft txt yes / no yes / no txt txt in in ft txt txt in in ft txt yes / no yes / no txt txt in	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 STABILIZERS D.1.1.1 KIT 1 Hole size Quantity Make Quantity Make	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt yes / no txt txt iin iin ft txt yes / no yes / no yes / no txt txt iin iin straight / spiral / welded /	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 STABILIZERS D.1.11 IX IX III Hole size Quantity Make OD blades Type blades	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt yes / no txt txt in in ft txt yes / no yes / no txt txt in in ft txt txt in in ft txt yes / no yes / no txt txt in	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 STABILIZERS D.1.11.1 KIT 1 Hole size Quantity Make OD blades Type of blade hardfacing	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt yes / no yes / no txt txt in in ft txt yes / no yes / no yes / no yes / no txt txt in in ft txt yes / no	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 STABILIZERS D.1.11 IX IX III Hole size Quantity Make OD blades Type blades	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no txt no. txt txt in in ft txt txt in in ft txt txt in in straight / spiral / welded / integral / sleeve txt	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 STABILIZERS D.1.11 KIT 1 Hole size Quantity Make OD blades Type blades Type of blade hardfacing OD body or fishing neck ID Body Connection type	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ff txt txt in in straight / spiral / welded / integral / sleeve txt in in in txt	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for 'zip' elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 STABILIZERS D.1.1.1 KIT 1 Hole size Quantity Make OD blades Type blades Type of blade hardfacing OD body or fishing neck ID Body Connection type Float valve receptacle	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt tyt in in ft txt yes / no yes / no yes / no txt txt in in in ft txt txt in in in no. txt in in no. txt in	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 TABILIZERS D.1.11 TABILIZERS D.1.11 TABILIZERS D.1.11 TABILIZERS D.1.11 TABILIZERS Type of blade hardfacing OD body or fishing neck ID Body Connection type Float valve receptacle D.1.12 KIT 2	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt yes / no yes / no txt txt iin iin ft txt yes / no yes / no yes / no yes / no txt txt iin iin ft txt yes / no yes / no iin no. txt iin straight / spiral / welded / integral / sleeve txt iin iin txt txt yes / no	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for 'zip' elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size IID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 STABILIZERS D.1.11.1 KIT 1 Hole size Quantity Make OD blades Type blades Type of blade hardfacing OD body or fishing neck ID Body Connection type Float valve receptacle D.1.12 KIT 2 Hole size	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt txt in in ft txt yes / no yes / no yes / no txt txt in in in ft txt txt in in in ft txt yes / no yes / no in no. txt txt in in straight / spiral / welded / integral / sleeve txt in in txt yes / no in	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 STABILIZERS D.1.11.1 KIT 1 Hole size Quantity Make OD blades Type blades Type of blade hardfacing OD body or fishing neck ID Body Connection type Float valve receptacle D.1.11.2 KIT 2 Hole size Quantity Connection type Float valve receptacle D.1.11.2 KIT 2 Hole size Quantity Connection type Float valve receptacle D.1.11.2 KIT 2 Hole size Quantity	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt yes / no yes / no txt txt in in tt txt yes / no jes / no yes / no txt txt in in in ft txt yes / no yes / no in no. txt in straight / spiral / welded / integral / sleeve txt in in txt yes / no in no. in no. txt in straight / spiral / welded / integral / sleeve txt in in in txt yes / no in	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body ID Body Nominal length of each joint Drill collar body Recess for 'zip' elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 STABILIZERS D.1.11.1 KIT 1 Hole size Quantity Make OD blades Type of blade hardfacing OD body or fishing neck ID Body Connection type Float valve receptacle D.1.11.2 KIT 2 Hole size Quantity Make OD body or fishing neck ID Body Connection type Float valve receptacle D.1.11.2 KIT 2 Hole size Quantity Make	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt yes / no yes / no yes / no txt txt in in ft txt yes / no yes / no yes / no yes / no txt in in ft txt yes / no in straight / spiral / welded / integral / sleeve txt in in txt yes / no in txt yes / no in txt	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body ID Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for silps Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 STABILIZERS D.1.11 KIT 1 Hole size Quantity Make OD blades Type of blade hardfacing OD body or fishing neck ID Body Connection type Float valve receptacle D.1.12 KIT 2 Hole size Quantity Make OD blades	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt yes / no yes / no yes / no txt in in ft txt yes / no yes / no yes / no in no. txt in in straight / spiral / welded / integral / sleeve txt in in txt yes / no in txt in in txt yes / no in no. txt in	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body ID Body Nominal length of each joint Drill collar body Recess for 'zip' elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 STABILIZERS D.1.11.1 KIT 1 Hole size Quantity Make OD blades Type of blade hardfacing OD body or fishing neck ID Body Connection type Float valve receptacle D.1.11.2 KIT 2 Hole size Quantity Make OD body or fishing neck ID Body Connection type Float valve receptacle D.1.11.2 KIT 2 Hole size Quantity Make	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt yes / no yes / no yes / no txt txt in in ft txt yes / no yes / no yes / no yes / no txt in in ft txt yes / no in straight / spiral / welded / integral / sleeve txt in in txt yes / no in txt yes / no in txt	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body ID Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for silps Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 STABILIZERS D.1.11 KIT 1 Hole size Quantity Make OD blades Type of blade hardfacing OD body or fishing neck ID Body Connection type Float valve receptacle D.1.12 KIT 2 Hole size Quantity Make OD blades	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt yes / no yes / no yes / no txt in in ft txt yes / no yes / no yes / no yes / no in ft txt yes / no in straight / spiral / welded / integral / sleeve txt in in txt yes / no in txt in in txt yes / no in txt in in	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 STABILIZERS D.1.11.1 KIT 1 Hole size Quantity Make OD blades Type of blade hardfacing OD body or fishing neck ID Body Connection type Float valve receptacle D.1.1.1 KIT 2 Hole size Quantity Make OD blades Type of blade hardfacing OD body or fishing neck	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt txt in in ft txt yes / no yes / no yes / no in ft txt txt in in ft txt yes / no yes / no yes / no in no. txt txt in in no. txt txt in in straight / spiral / welded / integral / sleeve txt in in txt yes / no in txt yes / no	yes yes 4 1/2" IF N/A
Stress relief pin groove Boreback on box Connection type D.1.9 NON-MAGNETIC DRILL COLLARS Quantity OD Body ID Body Nominal length of each joint Drill collar body Recess for "zip" elevator Recess for slips Stress relief pin groove Boreback on box Connection type D.1.10 CORE BARRELS Quantity Make Model Size OD Size ID Length Top connection type Spiral stabilizing ribs Subs and handling tools D.1.11 STABILIZERS D.1.11. KIT 1 Hole size Quantity Make OD blades Type blades Type of blade hardfacing OD body or fishing neck ID Body Connection type Float valve receptacle D.1.11. KIT 2 Hole size Quantity Make OD blades Type blades	yes / no txt no. in in ft slick / spiral yes / no yes / no yes / no yes / no txt no. txt txt in in ft txt yes / no yes / no yes / no txt txt in in ft txt yes / no yes / no in no. txt in straight / spiral / welded / integral / sleeve txt in in txt yes / no in txt txt in in txt txt in in txt txt in in txt txt txt in in txt txt txt txt txt txt txt txt txt tx	yes yes 4 1/2" IF N/A N/A





D.1 TUBULARS		
	txt	N/A
Float valve receptacle D.1.11.3 KIT 3	yes / no	N/A
	in	N/A
<u> </u>	no.	N/A
Make OD blades	in	N/A N/A
Tura planta	straight / spiral / welded /	N/A
	integral / sleeve	
Type of blade hardfacing OD body or fishing neck	in	N/A N/A
ID Body	in	N/A
51	txt	N/A
Float valve receptacle D.1.11.4 KIT 4	yes / no	N/A
Hole size	in	N/A
Quantity Make	no.	N/A N/A
OD blades	in	N/A
Turo blodes	straight / spiral / welded /	N/A
	integral / sleeve txt	N/A
	in	N/A
ID Body	in	N/A
Connection type	txt	N/A N/A
Float valve receptacle D.1.12 ROLLER REAMERS	yes / no	IW C
D.1.12.1 KIT 1		
	in	N/A N/A
y .	no. txt	N/A N/A
OD body	in	N/A
	in in	N/A N/A
	no.	N/A
Cutters, type	txt	N/A
Connection type D.1.12.2 KIT 2	txt	N/A
	in	N/A
Quantity	no.	N/A
Make	txt	N/A
	in in	N/A N/A
OD fishing neck	in	N/A
	no.	N/A
Cutters, type Connection type	txt	N/A N/A
D.1.12.3 KIT 3		
	in	N/A
Quantity Make	no. txt	N/A N/A
OD body	in	N/A
	in	N/A
9	no.	N/A N/A
Cutters, type	txt	N/A
Connection type	txt	N/A
D.1.13 SHOCK ABSORBERS (DAMPING SUB) D.1.13.1 KIT 1		N/A
Quantity	no.	N/A
Make	txt	N/A
· ·	txt	N/A N/A
ID Body	in	N/A
U	in tyt	N/A
Connection type D.1.13.2 KIT 2	txt	N/A N/A
Quantity	no.	N/A
Make	txt	N/A
Type OD body	txt in	N/A N/A
ID Body	in	N/A
· ·	in	N/A
Connection type D.1.14 Drilling Jars	txt	N/A N/A
Quantity	no.	N/A
	txt	N/A
	txt	N/A N/A
Min. ID body	in	N/A
9	in	N/A
	txt	N/A N/A
Quantity	no.	N/A
Make	txt	N/A
Type (mechanical/hydraulic; up/down) OD body	txt	N/A N/A
Min. ID body	in	N/A
OD fishing neck	in	N/A
Stroke		N/A
	in txt	
Connection type Quantity	txt no.	N/A N/A
Connection type Quantity Make	txt no. txt	N/A





D.1 TUBULARS	lin.	N/A
OD body Min. ID body	in in	N/A N/A
OD fishing neck	in	N/A
Stroke	in	N/A
Connection type	txt	N/A
D.1.15 Inside BOP Valve		
Quantity	no.	2
Make OD	txt in	OMSCO 5 1/2
Min. drill pipe ID required	in	N/A
Connection type	txt	5 1/2" FH
Working pressure rating	psi	10000
Quantity	no.	2
Make OD	txt	OMSCO 5
Min. drill pipe ID required	in in	N/A
Connection type	txt	4 1/2" IF
Working pressure rating	psi	10000
Quantity	no.	2
Make	txt	OMSCO
OD Min. drill pipe ID required	in in	3 1/2 N/A
Connection type	txt	3 1/2" IF
Working pressure rating	psi	10000
D.1.16 Fast Shut-Off Coupling		
Make	txt	N/A
Type	txt	N/A
Quantity Size tool joint to fit	in	N/A N/A
D.1.17 Circulation Head		
Quantity	no.	N/A
Make	txt	N/A
Type	txt	N/A
Valve make Valve type	txt txt	N/A N/A
Valve size (ID)	in	N/A
Valve working pressure	psi	N/A
Bottom connection type		N/A
Top connection type	txt	N/A
Wireline stripper	yes / no	N/A
Quantity Make	no. txt	N/A N/A
Type	txt	N/A
Valve make	txt	N/A
Valve type	txt	N/A
Valve size (ID)	in	N/A
Valve working pressure	psi tvt	N/A
Bottom connection type	txt	N/A N/A
		N/A
Bottom connection type Top connection type Wireline stripper D.1.18 Kelly Cocks	txt txt yes / no	N/A N/A N/A N/A
Bottom connection type Top connection type Wireline stripper D.1.18 Kelly Cocks Quantity	txt txt yes / no no.	N/A N/A N/A N/A 2
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D.1 TUBULARS		
D.1.20 Cup Type Testers		N/A
,		N/A
		N/A N/A
		N/A
Size test cup for casing weight	in-lb/ft	N/A
Connection		N/A
		N/A N/A
		N/A
1 0 0		N/A
Size test cup for casing weight		N/A
		N/A
		N/A N/A
		N/A
		N/A
		N/A
	txt	N/A
D.1.21 Plug Type Testers Quantity	no.	N/A
		N/A
	in	N/A
		N/A
•		N/A
Make Size test plugs		N/A N/A
		N/A
Quantity	no.	N/A
Make		N/A
Size test plugs Connection		N/A N/A
D.1.22 Drop-In Valves	txt	N/A
	no.	N/A
For nom. OD drillpipe	in	N/A
Make		N/A
Type Max. OD of dart.		N/A N/A
	no.	N/A
For nom. OD drillpipe		N/A
Make		N/A
		N/A
Max. OD of dart. D.1.23 Bit Subs (Box-Box)	in	N/A
	no.	2
Od size		9.5
ID size	in	3
Top connection	txt	7 5/8
Top connection Bottom connection	txt txt	7 5/8 7 5/8
Top connection Bottom connection Bored for float valve	txt txt yes / no	7 5/8
Top connection Bottom connection Bored for float valve Float size Quantity	txt txt yes / no in no.	7 5/8 7 5/8 yes 5F - 6R
Top connection Bottom connection Bored for float valve Float size Quantity Od size	txt txt yes / no in no. in	7 5/8 7 5/8 yes 5F - 6R 2
Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size	txt txt yes / no in no. in in	7 5/8 7 5/8 yes 5F - 6R 2 8 3
Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection	txt txt yes / no in no. in in txt	7 5/8 7 5/8 7 5/8 yes 5F - 6R 2 8 3 6 5/8
Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection	txt txt yes / no in no. in in txt	7 5/8 7 5/8 yes 5F - 6R 2 8 3
Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bored for float valve Float size	txt txt yes / no in no. in in txt txt txt txt txt	7 5/8 7 5/8 yes 5F - 6R 2 8 3 6 5/8 6 5/8 yes 5F - 6R
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Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bored for float valve Float size Quantity Od size	txt txt yes / no in no. in in txt txt txt yes / no in in in tin tin tin tin tin tin tin ti	7 5/8 7 5/8 yes 5F - 6R 2 8 3 6 5/8 6 5/8 9es 5F - 6R 2 2 6 3/4 2 13/16
Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bored for float valve Float size ID size ID size ID size ID size Top connection Bottom connection Bottom connection	txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt txt txt txt txt txt txt tx	7 5/8 7 5/8 yes 5F - 6R 2 8 3 6 5/8 6 5/8 yes 5F - 6R 2 2 8 3 6 5/8 6 5/8 9 9 5 - 6R 2
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Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bored for float valve Float size Float size Float size Top connection Bottom connection Bored for float valve Float size	txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt yes / no in txt txt yes / no in in in txt txt txt txt txt txt txt	7 5/8 7 5/8 yes 5F - 6R 2 8 3 6 5/8 6 5/8 9es 5F - 6R 2 2 6 3/4 2 13/16 4 1/2 REG yes
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Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bottom connection Bottom connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bored for float valve Float size Ouantity Od size ID size Top connection Bottom connection Bottom connection Bottom connection Bottom connection Bottom connection Bored for float valve Float size	txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in in txt txt txt txt yes / no in no. in no. in in txt txt txt yes / no in no. in no. in no. in	7 5/8 7 5/8 yes 5F - 6R 2 8 3 6 5/8 6 5/8 6 5/8 yes 5F - 6R 2 6 3/4 2 13/16 4 1/2 IF 4 1/2 REG yes 4R 2 3 1/2 2 3/4 3 1/2 IF 3 1/2 REG yes 4R N/A
Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bortom connection Bored for float valve Float size Quantity Od size ID size Top connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection	txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt yes / no in in txt txt txt yes / no in in txt txt txt yes / no in no. in in no. in	7 5/8 7 5/8 yes 5F - 6R 2 8 3 6 5/8 6 5/8 yes 5F - 6R 2 6 3/4 2 13/16 4 1/2 IF 4 1/2 REG yes 4R 2 3 1/2 IF 3 1/2 REG yes 4R N/A N/A
Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bored for float valve Float size ID size Top connection Bottom connection Bottom connection Bottom connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bored for float valve Float size ID size Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size	txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt yes / no in in txt txt txt yes / no in in txt txt txt yes / no in no. in in in txt txt yes / no in no. in in in txt txt txt yes / no in in in txt txt txt yes / no in in in txt txt txt yes / no in in in txt	7 5/8 7 5/8 yes 5F - 6R 2 8 3 6 5/8 6 5/8 9es 5F - 6R 2 6 3/4 2 13/16 4 1/2 IF 4 1/2 REG yes 4R 2 3 1/2 2 3/4 3 1/2 IF 3 1/2 REG yes 4R N/A N/A N/A
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Top connection Bottom connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bored for float valve Float size Quantity Od size ID size Top connection Bored for float valve Float size Quantity Od size ID size Top connection Bored for float valve Float size Quantity Od size ID size Top connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom	txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt txt yes / no in in txt txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt yes / no in no. in no. in no. in	7 5/8 7 5/8 yes 5F - 6R 2 8 3 6 5/8 6 5/8 yes 5F - 6R 2 6 3/4 2 13/16 4 1/2 IF 4 1/2 REG yes 4R 2 3 1/2 2 3/4 3 1/2 IF 3 1/2 REG yes 4R N/A
Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bot	txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in in txt	7 5/8 7 5/8 7 5/8 yes 5F - 6R 2 8 3 3 6 5/8 6 5/8 6 5/8 9es 5F - 6R 2 6 3/4 2 13/16 4 1/2 IF 4 1/2 REG yes 4R 2 3 1/2 2 3/4 3 1/2 IF 3 1/2 REG yes 4R N/A
Top connection Bottom connection Bord for float valve Float size Quantity Od size ID size Top connection Bord for float valve Float size Quantity Od size ID size Top connection Bord for float valve Float size Quantity Od size ID size Top connection Bord for float valve Float size Quantity Od size ID size Quantity Od size ID size Quantity Od size ID size Top connection Bottom connection Bord for float valve Float size Quantity Od size ID size Top connection Bottom	txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt yes / no in no. in in txt txt yes / no in no. in in txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in in txt txt txt yes / no in no. in in in txt txt txt yes / no in	7 5/8 7 5/8 7 5/8 yes 5F - 6R 2 8 3 3 6 5/8 6 5/8 6 5/8 5F - 6R 2 6 3/4 2 13/16 4 1/2 IF 4 1/2 REG yes 4R 2 3 1/2 E 3 1/2 E 3 1/2 REG yes 4R N/A
Top connection Bottom connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bored for float valve Float size Quantity Od size ID size Top connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bottom connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom connection Bottom connection Bottom connection Bored for float valve Float size Quantity Od size ID size Top connection Bottom co	txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in txt txt txt yes / no in no. in in in txt txt txt yes / no in no. in in in txt txt txt yes / no in	7 5/8 7 5/8 7 5/8 yes 5F - 6R 2 8 3 3 6 5/8 6 5/8 6 5/8 9es 5F - 6R 2 6 3/4 2 13/16 4 1/2 IF 4 1/2 REG yes 4R 2 2 3/4 3 1/2 IF 3 1/2 REG yes 4R N/A





D.1 TUBULARS		
Type (pin/box)		pin
Quantity OD size max	no. in	1 9 3/8
OD size min		8
ID size		3
Top connection size Type (pin/box)		6 5/8 Reg pin
Bottom connection size		7 5/8 Reg
Type (pin/box)		box
Quantity OD size max	no. in	<u>1</u> 9.5
OD size min		8
ID size		3
Top connection size Type (pin/box)		6 5/8 Reg
Bottom connection size		box 7 5/8 Reg
Type (pin/box)		pin
Quantity	no.	1
OD size max OD size min		9.5 8
ID size		3
Top connection size		6 5/8 Reg
Type (pin/box) Bottom connection size		pin 7 5/8 Reg
Type (pin/box)		pin
Quantity	no.	1
OD size max		8
OD size min ID size		6.75 2 13/16
Top connection size		4 1/2 if
Type (pin/box)		box
Bottom connection size Type (pin/box)		6 5/8 Reg
Type (pin/box) Quantity		box 1
OD size max	in	8
OD size min		6 3/4
ID size Top connection size	in	2 13/16 4 1/2 if
Type (pin/box)		pin
Bottom connection size		6 5/8 Reg
Type (pin/box) Quantity		box
OD size max	no. in	8
OD size min	in	6.75
ID size		2 13/16
Top connection size Type (pin/box)		4 1/2 IF pin
Bottom connection size		6 5/8 Reg
Type (pin/box)		box
Quantity OD size max		2 8
OD size min		6.5
ID size	in	2 13/16
Top connection size		4 1/2 IF
Type (pin/box) Bottom connection size		box 6 5/8 Reg
Type (pin/box)		pin
Quantity		2
OD size max OD size min		<u>8</u> 8
ID size		2.25
Top connection size		4 1/2 IF
Type (pin/box) Bottom connection size		pin 6 5/8 Reg
Type (pin/box)		6 5/8 Reg pin
Quantity	no.	1
OD size max		6 5/8 4 3/4
OD size min ID size		4 3/4 2 13/16
Top connection size		3 1/2 IF
Type (pin/box)		pin
Bottom connection size Type (pin/box)		4 1/2 IF box
D.1.25 Drilling Bumper Subs		
Quantity		N/A
Make OD		N/A N/A
		N/A N/A
Stroke		N/A
Stroke Connection type		
Connection type Quantity	no.	N/A
Connection type Quantity Make	no. txt	N/A
Connection type Quantity	no. txt in	
Connection type Quantity Make OD Stroke Connection type	no. txt in in txt	N/A N/A N/A N/A
Connection type Quantity Make OD Stroke Connection type D.1.26 Hole Openers	no. txt in in txt	N/A N/A N/A N/A N/A
Connection type Quantity Make OD Stroke Connection type	no. txt in in txt no.	N/A N/A N/A N/A
Connection type Quantity Make OD Stroke Connection type D.1.26 Hole Openers Quantity Make OD	no. txt in in txt no. txt	N/A
Connection type Quantity Make OD Stroke Connection type D.1.26 Hole Openers Quantity Make OD Connection type	no. txt in in txt no. txt in txt txt	N/A
Connection type Quantity Make OD Stroke Connection type D.1.26 Hole Openers Quantity Make OD Connection type Quantity Make OD Connection type Quantity	no. txt in in txt no. txt txt no.	N/A
Connection type Quantity Make OD Stroke Connection type D.1.26 Hole Openers Quantity Make OD Connection type	no. txt in in txt no. txt in txt txt txt txt txt txt txt txt txt tx	N/A
Connection type Quantity Make OD Stroke Connection type D.1.26 Hole Openers Quantity Make OD Connection type Quantity Make OD Connection type Quantity Make OD	no. txt in in txt no. txt in txt txt txt txt in txt in txt txt in txt txt txt txt txt txt txt txt txt tx	N/A





Page	D.1 TUBULARS		
Proceedings	Quantity		
CEQUIFY			
17. March 17.	OD Min		
13 MANUTATIONS	OD Max	in	N/A
2.3.0 May Proposed 1.0 months 1.0 mont	Connection type	txt	N/A
Section	D.2 HANDLING TOOLS D.2.1 Drill Dine Flevetors		
Country	Size	in	3 1/2
March Marc	Quantity		
Season			
Section			
March Marc	Size		
Months	Quantity		
Section			
September 1			
March Marc	Size		5 1/2
No. 18			
Process			
0.1.2.001 (Collect Beyonds) In Collect	Rated capacity		
Sample School S	D.2.2 Drill Collar Elevators		
Model 91 NOV Morant Capacity 10 10 Morant Capacity 10 10 Morant Capacity 10 10 Males 10 10 Males 10 10 Model 11 10 Males 10 10 Males 10 10 Males 10 10 Males 10 10 Males 11 10 Males 12 10 Morant 12 10 Morant 10 10 Males 10 10 Males 10 10 Males	Size		
Marie Mari			2
Senter canonary	Model	txt	SLX
Cauching	Rated capacity		
Make			
Model att SX Sind 10 50 Sind 10 50 Sind 10 50 Sind 10 50 Model 11 80 Model 11 80 Model 11 10 Sind 10 40 Sind 10 40 Sind 10 40 Sind 10 40 Sind 10 10	Make		
Second	Model	txt	SLX
Description	Rated capacity		
Make			
State Stat	Make	txt	NOV
Size In 4 3/4 Outnity no 1 Make nd NOV Stated Coping (Invitors) M NS State 1 1 State 1 1 State 1 1 State 1 1 Walker 1 1 Make 1 1 Model 1 1 Make 1 2 Model 1 2 Make 1 2 Model 1 2 Stated capacity 1 2 Sieg 1 1 Make 1 2 Make 1 2 Stated capacity 1 2 Sieg 1 2 Quantity 0 1 Sieg 1 3 Quantity 0 2 Yee 1 0 <td>Model</td> <td>txt</td> <td>SLX</td>	Model	txt	SLX
Quantity			
Marked Data NOV Model Marked	Quantity		1
Rebot capacity 100 1	Make	txt	
D.2.3 builst flevators	Model		
Size		st	100
Caparity	Size	in	4 1/2
Model State Stat	Quantity		1
Rated capacity st 200 Size In 3 1/2 Cuantity no. 1 Make bt NOV Model bt SL Rated capacity st 200 2.4 Diff Pipe Hand Slips	Make		
Size			
Make	Size		
Model Mile	Quantity		1
State capacity	Make Model		
1.2.4 Dir Pipe Hand Slips			
Quantity no. 2 Make pd NOV Type pd SDML Size no. 2 & 2 Quantity no. 2 & 2 Make pd NOV Sype pd SDXI / SDHL 2.5 Seni Automatic DP Slips Nov Size range (gragest) in 7 Size range (smeltest) in 3.5 Quantity no. 1 Make pd MH Type pd MH Make pd MH H1124 D.2.6 Drill Collar Slips 1 4.4 7/8 Size in 4.4 7/8 Quantity no. 2 Make pd pd Type pd pd Make pd pd Type pd pd Make pd pd Make pd pd Size pd pd	D.2.4 Drill Pipe Hand Slips		
Make bxt NOV Type bxt SDML Size in 57.5.5 Cuantity no. 2.8.2 Make bxt NOV Type bxt NOV 5.5ce range (largest) bxt SDXL / SDHL 5.5ce range (largest) in 3.5 Cuantity no. 1 Make bxt MH 1/2 MH MH 1/2 MR MH MH 1/2 MA MH MI 1/2 MA MR MI MI 1/2 MA MR </td <td></td> <td></td> <td></td>			
My	Quantity Make		
Size In 5/5.5 Quantity no. 2.8 2 Make bit NOV Type bit SDXL / SDHL 2.2 Semi-Automatic DP Slips In 7 Size range (largest) In 3.5 Quantity no. 1 Make bit MH Type bit MH 1124 Decay of Collar Slips In 4.4 7/8 Size In 4.4 7/8 Quantity no. 2 Make bit Varco Uppe bit Varco Size In 6.75-8.5 Quantity no. 2 Make bit Varco Uppe bit DCS-R Size In 6.75-8.25 Quantity no. 2 Make bit Varco Type bit OCS-L Size In 6.75-8.25 Quan			
Make Mxt NOW Type 1xt SDXL/SDHL D.2.5 Semi-Automatic DP Silps 1 7 Size range (largest) In 7 Size range (smallest) In 3.5 Quantity no. 1 Make 1xt MH Type 1xt MH 1124 D.2.6 Drill Collar Silps In 4.47/8 Size In 4.47/8 Quantity no. 2 Make 1xt Varco Type 1xt DCS-S Size In 5.1/2-7 Quantity no 2 Make 1xt DCS-S Size 1xt Varco Type 1xt Varco Size 1xt DCS-R Size 1xt Varco Type 1xt DCS-R Size 1xt DCS-L Size 1xt DCS-L Siz	Size		
Ixe			
D.2.5 Semi-Automatic DP Silps Image: Comment of the Comm			
Size range (smallest) in 3.5 Quantity no. 1 Make bxt MH Type txt MH 1124 D.2.6 Drill Collar Slips txt MH 1124 Size in 4.4 7/8 Quantity no. 2 Make txt Varco Type txt DCS-S Size in \$ 1/2-7 Quantity no. 2 Make txt Varco Type txt DCS-R Size in 6.75-8.25 Quantity no. 2 Make txt Varco Type txt Varco Quantity no. 2 Make txt <td>D.2.5 Semi-Automatic DP Slips</td> <td></td> <td></td>	D.2.5 Semi-Automatic DP Slips		
Quantity no. 1 Make txt MH Type txt MH 1124 D.2.6 Drill Collar Silps In 4-4 7/8 Size In 4-4 7/8 Quantity no. 2 Make DCS-S 1 Size In 5 1/2-7 Quantity no. 2 Make Varco 1 Iype txt DCS-R Size In 6 75-8 25 Quantity no. 2 Make txt DCS-R Size In 6 75-8 25 Quantity no. 2 Make txt DCS-L Size In 8.5-10 Quantity no. 2 Make txt DCS-L Size In 8.5-10 Quantity no. 2 Make txt DCS-L Size in 8.	Size range (largest)		•
Make bt MH Type xt MH 1124 D.2.6 Drill Collar Slips In 4.47/8 Size In 4.47/8 Quantity no. 2 Make txt Varco Iype txt DCS-S Size in 5 1/2-7 Quantity no. 2 Make txt Varco Type txt DCS-R Size in 6.75-8.25 Quantity no. 2 Quantity no. 2 Make txt Varco Type txt DCS-L Size in 9.5-10 Quantity no. 2 Make txt Varco Type txt DCS-L Quantity no. 2 Make txt Varco Type txt Varco Quantity no.	oize range (smailest) Ouantity		3.3 1
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Size in 4.4 7/8 Quantity no. 2 Make txt Varco Type txt DCS-S Size in 5 1/2-7 Quantity no. 2 Make txt Varco Type txt DCS-R Size in 6.75-8.25 Quantity no. 2 Make txt Varco Type txt Varco Size in 8.5-10 Quantity no. 2 Make txt Varco Type txt Varco Iype txt Varco Quantity no. 2 Quantity no. 2 Range (min) in 5* Range (min) in 13 3/8* Quantity no. N/A Range (min) in N/A	Туре		
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Make xt Varco Iype txt DCS-S Size in 5 1/2-7 Quantity no. 2 Make txt Varco Iype txt DCS-R Size in 6.75-8.25 Quantity no. 2 Make txt Varco Iype txt DCS-L Size in 8.5-10 Quantity no. 2 Make txt Varco Iype txt Varco Quantity no. 2 Make txt Varco Iype txt Varco Iype txt Varco Iype txt DCS-L Duantity no. 2 Quantity no. 2 Range (min) in 13 3/8* Quantity no. 2 Range (min) in 13 3/8*<			
Size in 5 1/2-7 Quantity no. 2 Make txt Varco Type txt DCS-R Size in 6.75-8.25 Quantity no. 2 Make txt Varco Type txt DCS-L Size in 8.5-10 Quantity no. 2 Make txt Varco Type txt Varco Use txt DCS-L Make txt DCS-L D2-7 Drill Collar Safety Clamps txt DCS-L Quantity no. 2 Range (min) in 5" Range (max) in 13 3/8" Quantity no. N/A Range (min) in N/A	Quantity		
Quantity no. 2 Make txt Varco Type txt DCS-R Size in 6.75-8.25 Quantity no. 2 Make txt Varco Type txt DCS-L Size in 8.5-10 Quantity no. 2 Make txt Varco Iype txt Varco Iype txt DCS-L Iype txt DCS-L Iype txt DCS-L Iype txt DCS-L D.2.7 Drill Collar Safety Clamps In 5° Quantity no. 2 Range (min) in 5° Range (max) in 13 3/8° Quantity no. N/A Range (min) in N/A	Make	txt	
Make txt Varco Type txt DCS-R Size in 6.75-8.25 Quantity no. 2 Make txt Varco Type txt DCS-L Size in 8.5-10 Quantity no. 2 Make txt Varco Type txt DCS-L Type txt DCS-L D.2.7 Drill Collar Safety Clamps In DCS-L Quantity no. 2 Range (min) in 5° Range (max) in 13 3/8° Quantity no. N/A Range (min) in N/A Range (min) in N/A	Make Type	txt txt	DCS-S
Type txt DCS-R Size in 6.75-8.25 Quantity no. 2 Make txt Varco Type txt DCS-L Size in 8.5-10 Quantity no. 2 Make txt Varco Type txt DCS-L D.2.7 Drill Collar Safety Clamps txt DCS-L Quantity no. 2 Range (min) s" s" Range (max) in 13 3/8" Quantity no. N/A Range (min) no. N/A Range (min) no. N/A	Make Type Size	txt txt in	DCS-S 5 1/2-7
Quantity no. 2 Make txt Varco Type txt DCS-L Size in 8.5-10 Quantity no. 2 Make txt Varco Type txt DCS-L D.2.7 Drill Collar Safety Clamps no. 2 Quantity no. 2 Range (min) in 5" Range (max) in 13 3/8" Quantity no. N/A Range (min) in N/A Range (min) in N/A	Make Type Size Quantity	txt txt in no.	DCS-S 5 1/2-7 2
Make txt Varco Type txt DCS-L Size in 8.5-10 Quantity no. 2 Make txt Varco Type txt DCS-L D.2.7 Drill Collar Safety Clamps no. 2 Quantity no. 2 Range (min) 5" Range (max) in 13 3/8" Quantity no. N/A Range (min) in N/A	Make Type Size Quantity Make Type	txt txt in no. txt txt	DCS-S 5 1/2-7 2 Varco DCS-R
Type txt DCS-L Size in 8.5-10 Quantity no. 2 Make txt Varco Type txt DCS-L D.2.7 Drill Collar Safety Clamps no. 2 Quantity no. 2 Range (min) in 5" Range (max) in 13 3/8" Quantity no. N/A Range (min) in N/A	Make Type Size Quantity Make Type Size	txt txt in no. txt txt ixt	DCS-S 5 1/2-7 2 Varco DCS-R 6.75- 8.25
Size in 8.5-10 Quantity no. 2 Make txt Varco Type txt DCS-L D.2.7 Drill Collar Safety Clamps no. 2 Quantity no. 2 Range (min) in 5" Range (max) in 13 3/8" Quantity no. N/A Range (min) in N/A	Make Type Size Quantity Make Type Size Quantity Make Type Size Quantity	txt txt in no. txt txt in no. txt txt in no.	DCS-S 5 1/2-7 2 Varco DCS-R 6.75-8.25 2
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D.2.7 Drill Collar Safety Clamps <th< td=""><td>Make Type Size Quantity Make Type Size Quantity Make Type Size Quantity Make Type Size Quantity Make Type Size Quantity</td><td>txt txt in no. txt txt in no. txt txt in no. txt in no.</td><td>DCS-S 5 1/2-7 2 Varco DCS-R 6.75- 8.25 2 Varco DCS-L 8.5-10</td></th<>	Make Type Size Quantity Make Type Size Quantity Make Type Size Quantity Make Type Size Quantity Make Type Size Quantity	txt txt in no. txt txt in no. txt txt in no. txt in no.	DCS-S 5 1/2-7 2 Varco DCS-R 6.75- 8.25 2 Varco DCS-L 8.5-10
Range (min) in 5" Range (max) in 13 3/8" Quantity no. N/A Range (min) in N/A	Make Type Size Quantity Make Type Size Quantity Make Type Size Quantity Make Ouantity Make Type Ouantity Make Type Size Ouantity Make Type Size Ouantity Make	txt txt in no. txt txt in no. txt txt in no. txt txt txt txt txt txt txt txt txt	DCS-S 5 1/2-7 2 Varco DCS-R 6.75- 8.25 2 Varco DCS-L 8.5-10 2 Varco
Range (max) in 13 3/8" Quantity no. N/A Range (min) in N/A	Make Type Size Quantity Make Type Size Quantity Make Type Size Quantity Make Type Size Quantity Make Type Size Ouantity Make Type Size Ouantity Discrete Common Co	txt txt in no. txt txt in no. txt txt in no. txt txt txt txt txt txt txt txt txt	DCS-S 5 1/2-7 2 Varco DCS-R 6.75- 8.25 2 Varco DCS-L 8.5-10 2 Varco DCS-L
Quantityno.N/ARange (min)inN/A	Make Type Size Quantity Make Type Size Quantity Make Type Size Quantity Make Type Size Quantity Make Type Size Ouantity Make Type Size Ouantity Display Size Ouantity Size Ouantity Ouantity Make Type Size Ouantity Make Quantity Make Ouantity Make Type Data Safety Clamps Ouantity	txt txt in no. txt txt in no. txt txt in no. txt txt txt txt in no. txt txt in no.	DCS-S 5 1/2-7 2 Varco DCS-R 6.75- 8.25 2 Varco DCS-L 8.5-10 2 Varco DCS-L
Range (min) in N/A	Make Type Size Quantity Make Type Size Quantity Make Type Size Quantity Make Type Size Quantity Make Type Size Ouantity Make Type Size Quantity Duantity Make Type Size Quantity Make Type Size Quantity Make Type Ouantity Make Type D.2.7 Drill Collar Safety Clamps Quantity Range (min)	txt txt in no. txt txt in no. txt txt in no. txt txt txt in no. txt txt in no. txt txt in no. txt txt in no. txt txt txt in	DCS-S 5 1/2-7 2 Varco DCS-R 6.75- 8.25 2 Varco DCS-L 8.5-10 2 Varco DCS-L 2 Varco DCS-L 2 Varco DCS-L 2 Varco DCS-L 3-5"
Range (max) in N/A	Make Type Size Quantity Make Type Size Quantity Make Type Size Quantity Make Type Size Quantity Make Type Size Ouantity Make Type Size Ouantity Display Size Ouantity Size Ouantity Ouantity Make Type Size Ouantity Make Quantity Make Ouantity Make Type Data Safety Clamps Ouantity	txt txt in no. txt txt in no. txt txt txt in no. txt txt txt in no. txt txt in no. txt txt in no. txt txt in no. txt txt txt in	DCS-S 5 1/2-7 2 Varco DCS-R 6.75- 8.25 2 Varco DCS-L 8.5-10 2 Varco DCS-L 9 5" 13 3/8"
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D.1 TUBULARS		
Quantity	no.	N/A
Range (min) Range (max)	in in	N/A N/A
Quantity	no.	N/A
Range (min)	in	N/A
Range (max) D.2.8 Tubing Slips	in	N/A
Size	in	3.5
Quantity	no.	1
Make Type	txt txt	NOV SJL
Size	in	4.5
Quantity	no.	1
Make Type	txt txt	NOV SJL
D.2.9 Tubing Spider	t At	N/A
Slip Size (max)	in	N/A
Slip Size (min) Quantity	no.	N/A N/A
Make	txt	N/A
Adaptor Plate		N/A
D.2.10 Drill Collar Lifting Subs Quantity	no.	4
For OD DC	in in	9.5
Connection type		7 5/8 Reg
Quantity For OD DC	no.	<u>2</u> 8
Connection type	txt	8 7 5/8 Reg
Quantity	no.	10
For OD DC	in tyt	8 4.5/9.Dog
Connection type Quantity	txt no.	6 5/8 Reg 6
For OD DC	in	6 3/4
Connection type D 2.11 DC Lifting Plugs	txt	4 1/2" IF N/A
D.2.11 DC Lifting Plugs Quantity	no.	N/A N/A
For OD DC	in	N/A
Connection type	txt	N/A N/A
Quantity For OD DC	no. in	N/A
Connection type	txt	N/A
Quantity	no.	N/A
For OD DC Connection type	in txt	N/A N/A
Quantity	no.	N/A
For OD DC	in	N/A
Connection type D.2.12 Bit Breakers	txt	N/A
Quantity	no.	1
For bit size Quantity	in	4.5-4.75
For bit size	no. in	5.5-5.75
Quantity	no.	2
For bit size	in	6-6.25
Quantity For bit size	no. in	11.75-12.25
Quantity	no.	1
For bit size	in	14 3/4
Quantity For bit size	no. in	16
Quantity	no.	1
For bit size	in	17.5/18.5
Quantity For bit size	no. in	26
Quantity	no.	N/A
For bit size	in	N/A
D.2.13 Elevator Links Quantity of sets	no.	2
Make	txt	NOV
Type	txt	Elevator Bails
Length Rated capacity	ft st	11, 14,50 350
Quantity of sets	no.	1
Make	txt	NOV
Type Length	txt ft	Elevator Bails 16
1=3		
Rated capacity	st	500
Rated capacity D.2.14 Kelly Spinner	st	N/A
Rated capacity D.2.14 Kelly Spinner Make	st txt	N/A N/A
Rated capacity D.2.14 Kelly Spinner Make Type D.2.15 DrillpipeSpinner	st	N/A N/A N/A
Rated capacity D.2.14 Kelly Spinner Make Type D.2.15 DrillpipeSpinner Make	txt txt txt	N/A N/A N/A N/O
Rated capacity D.2.14 Kelly Spinner Make Type D.2.15 DrillpipeSpinner Make Type	txt txt txt txt	N/A N/A N/A NOV SSW-40
Rated capacity D.2.14 Kelly Spinner Make Type D.2.15 DrillpipeSpinner Make Type	txt txt txt txt	N/A N/A N/A N/O
Rated capacity D.2.14 Kelly Spinner Make Type D.2.15 DrillpipeSpinner Make Type Size (max) Size (min) D.2.16 Mud Saver Bucket	txt txt txt txt in	N/A N/A N/A NOV SSW-40 9.5 3.5
Rated capacity D.2.14 Kelly Spinner Make Type D.2.15 DrillpipeSpinner Make Type Size (max) Size (min) D.2.16 Mud Saver Bucket Make	txt txt txt txt txt txt txt txt txt	N/A N/A N/A N/A NOV SSW-40 9.5 3.5 OTECO
Rated capacity D.2.14 Kelly Spinner Make Type D.2.15 DrillpipeSpinner Make Type Size (max) Size (min) D.2.16 Mud Saver Bucket Make Size	txt txt txt txt in	N/A N/A N/A N/A NOV SSW-40 9.5 3.5 OTECO 5
Rated capacity D.2.14 Kelly Spinner Make Type D.2.15 DrillpipeSpinner Make Type Size (max) Size (min) D.2.16 Mud Saver Bucket Make Size Make Size	txt txt txt txt txt txt txt in in txt	N/A N/A N/A N/A NOV SSW-40 9.5 3.5 OTECO
Rated capacity D.2.14 Kelly Spinner Make Type D.2.15 DrillpipeSpinner Make Type Size (max) Size (min) D.2.16 Mud Saver Bucket Make Size Make Size D.2.17 Hydraulic Make-Up/Breakout Machine (e.g. Ezy Torque)	txt txt txt txt txt in in txt txt in txt in	N/A N/A N/A NOV SSW-40 9.5 3.5 OTECO 5 OTECO 5.5 - 3.5
Rated capacity D.2.14 Kelly Spinner Make Type D.2.15 DrillpipeSpinner Make Type Size (max) Size (min) D.2.16 Mud Saver Bucket Make Size Make Size D.2.17 Hydraulic Make-Up/Breakout Machine (e.g. Ezy Torque) Make	txt txt txt txt txt in in txt txt in txt txt txt txt txt txt	N/A N/A N/A N/A NOV SSW-40 9.5 3.5 OTECO 5 OTECO 5 NOV
Rated capacity D.2.14 Kelly Spinner Make Type D.2.15 DrillpipeSpinner Make Type Size (max) Size (min) D.2.16 Mud Saver Bucket Make Size Make Size D.2.17 Hydraulic Make-Up/Breakout Machine (e.g. Ezy Torque)	txt txt txt txt txt in in txt txt in txt in	N/A N/A N/A NOV SSW-40 9.5 3.5 OTECO 5 OTECO 5.5 - 3.5





D.1 TUBULARS		
D.2.18 Rotary Rig Tongs		
Quantity of sets	no.	1 BJ
Make Type	txt txt	ы HT100
Size range (max OD)	in	15
Size range (min OD)	in	4
Torque rating D.2.19 Tubing Tongs (manual)	ft lbs	100000
Quantity of sets	no.	1
Make	txt	ВЈ
Type		HT14
Size range (max OD) Size range (min OD)		6.25 2 3/8
Torque rating	ft lbs	14000
D.2.20 Tubing Tongs (Powered)		
Quantity	no.	1
Make Type		ECKEL 13 5/8 HD
Size range (max OD)		13 3/8
Size range (min OD)	in	7
Max output torque Torque indicator	ft lbs	30000
Back-up arm	yes/no yes/no	yes no
D.2.21 Iron Roughneck	<i>yes.</i> 118	
Make		NOV
Type Size range (may OD)		AR3200CM 9.75
Size range (max OD) Size range (min OD)		9.75 3.5
D.2.22 Drilling Connection Back-up Tong (e.g. RBS, EBT, etc)		
Make		N/A
Type D.3 FISHING EQUIPMENT	txt	N/A
D.3.1 Overshots		
Quantity	no.	1
Make		GOTCO
Type Overshot OD	in	FS.OS11 11 3/4"
To catch size		10 1/8
To catch size	in	9 3/8
To catch size	in .	45/00
Overshot guide OD Extension sub length		15/22 3/3.5/5
Lipped guide (oversize, regular)		oversize
Grapples (spiral, basket, both)		both
Pack offs		no
Top sub connection type Quantity	txt no.	6 5/8 Reg 2
Make		BOWEN
Туре		SH
Overshot OD To catch size		8 1/8 6 3/4
To catch size		6 1/8
To catch size	in	
Overshot guide OD	in	11
Extension sub length Lipped guide (oversize, regular)	ft	3.75/4.75
		regular
		regular both
Grapples (spiral, basket, both) Pack offs	yes/no	both no
Grapples (spiral, basket, both) Pack offs Top sub connection type	yes/no txt	both
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity	yes/no txt no.	both no 4 1/2IF
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type	yes/no txt no. txt txt	both no 4 1/2IF 1 GOTCO FS.OS11
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD	yes/no txt no. txt txt in	both no 4 1/2 F 1 GOTCO FS.OS11 11 3/4"
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size	yes/no txt no. txt txt txt in in	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size	yes/no txt no. txt txt txt in in	both no 4 1/2 F 1 GOTCO FS.OS11 11 3/4"
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD	yes/no txt no. txt txt in in in in in in	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length	yes/no txt no. txt txt in in in in in ft	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular)	yes/no txt no. txt txt in in in in in ft	both no 4 1/2 F 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length	yes/no txt no. txt txt in in in in in ft	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type	yes/no txt no. txt txt txt in in in in ft yes/no txt	both no 4 1/2 F 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize both
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity	yes/no txt no. txt txt txt in in in in ft yes/no txt yes/no txt no.	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize both no 6 5/8 Reg 1
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make	yes/no txt no. txt txt txt in in in in ft yes/no txt txt txt txt txt txt txt tx	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize both no 6 5/8 Reg 1 Bowen
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity	yes/no txt no. txt txt txt in in in in ft yes/no txt txt txt txt txt txt txt txt txt tx	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize both no 6 5/8 Reg 1
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size	yes/no txt no. txt txt txt in in in in in ft yes/no txt txt txt txt txt in	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize both no 6 5/8 Reg 1 Bowen SH 8 1/8 6 3/4
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size	yes/no txt no. txt txt in in in in in in ft yes/no txt txt txt in	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize both no 6 5/8 Reg 1 Bowen SH 8 1/8
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size	yes/no txt no. txt txt in in in in in in ft yes/no txt txt txt in	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize both no 6 5/8 Reg 1 Bowen SH 8 1/8 6 3/4 6 1/8
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size	yes/no txt no. txt txt in in in in in in in tt yes/no txt txt no. txt txt in	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize both no 6 5/8 Reg 1 Bowen SH 8 1/8 6 3/4
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size Overshot guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular)	yes/no txt no. txt txt txt in in in in in ft yes/no txt txt no. txt txt in in in in ft	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize both no 6 5/8 Reg 1 Bowen SH 8 1/8 6 3/4 6 1/8
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To	yes/no txt no. txt txt txt in in in in in in ft yes/no txt txt no. txt txt in in in in ft ft yes/no txt ft ft ft ft ft ft ft ft ft	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize both no 6 5/8 Reg 1 Bowen SH 8 1/8 6 3/4 6 1/8 11 3.75/4.75 regular both
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size Overshot guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size	yes/no txt no. txt txt txt in in in in in in ft yes/no txt txt txt in in ft yes/no txt txt txt in	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize both no 6 5/8 Reg 1 Bowen SH 8 1/8 6 3/4 6 1/8 11 3.75/4.75 regular both no
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity	yes/no txt no. txt txt txt in in in in in in ft yes/no txt txt txt in in in ft yes/no txt txt txt in	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize both no 6 5/8 Reg 1 Bowen SH 8 1/8 6 3/4 6 1/8 11 3.75/4.75 regular both no 4 1/2IF 1
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size	yes/no txt no. txt txt txt in in in in in in ft yes/no txt txt txt in in in ft yes/no txt txt txt in	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize both no 6 5/8 Reg 1 Bowen SH 8 1/8 6 3/4 6 1/8 11 3.75/4.75 regular both no 4 1/2IF 1 GOTCO
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size	yes/no txt no. txt txt txt in in in in in in ft yes/no txt txt no. txt txt in in in in in ft yes/no txt txt txt txt txt txt txt txt txt tx	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize both no 6 5/8 Reg 1 Bowen SH 8 1/8 6 3/4 6 1/8 11 3.75/4.75 regular both no 4 1/2IF 1 GOTCO SH
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD	yes/no txt no. txt txt txt in in in in in in ft yes/no txt txt txt in in in ft yes/no txt txt txt txt txt txt txt txt txt tx	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize both no 6 5/8 Reg 1 Bowen SH 8 1/8 6 3/4 6 1/8 11 3.75/4.75 regular both no 4 1/2IF 1 GOTCO SH 8 1/8
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size To p sub connection type Quantity Make Type Overshot OD To catch size	yes/no txt no. txt txt txt in in in in in in in ft yes/no txt txt txt in in in in ft yes/no txt txt txt txt txt txt txt txt txt tx	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize both no 6 5/8 Reg 1 Bowen SH 8 1/8 6 3/4 6 1/8 11 3.75/4.75 regular both no 4 1/2IF 1 GOTCO SH
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size Overshot guide OD Extension sub length Lipped guide (oversize, regular) Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size To p sub connection type Quantity Make Type Overshot OD To catch size To catch size To catch size To catch size	yes/no txt no. txt txt tin in in in in in in in ft yes/no txt txt in in in in in in ft yes/no txt txt txt txt txt txt txt txt txt tx	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize both no 6 5/8 Reg 1 Bowen SH 8 1/8 6 3/4 6 1/8 11 3.75/4.75 regular both no 4 1/2IF 1 GOTCO SH 8 1/8 6 3/4 6 1/8
Grapples (spiral, basket, both) Pack offs Top sub connection type Quantity Make Type Overshot OD To catch size Top sub connection type Top sub connection type Top sub connection type To catch size To p sub connection type Cuantity Make Type Overshot OD To catch size To catch size To catch size To catch size	yes/no txt no. txt txt tin in in in in in in in ft yes/no txt no. txt txt in	both no 4 1/2IF 1 GOTCO FS.OS11 11 3/4" 10 1/8 9 3/8 15/22 3/3.5/5 oversize both no 6 5/8 Reg 1 Bowen SH 8 1/8 6 3/4 6 1/8 11 3.75/4.75 regular both no 4 1/2IF 1 GOTCO SH 8 1/8 6 3/4





D.1 TUBULARS		
Lipped guide (oversize, regular)		regular
Grapples (spiral, basket, both) Pack offs	yes/no	both no
Top sub connection type	txt	4 1/2IF
D.3.2 Hydraulic Fishing Jar	no.	1
Quantity Make	no. txt	BOWEN
Туре		Hydraulic Jar
OD Body Min. ID	in in	8 3-3/8
Stroke	in	6.5
Connection type	txt	6 5/8 Reg
Repair kit Quantity	yes/no no.	no 1
Make	txt	BOWEN
Туре		Hydraulic Jar
OD Body Min. ID	in in	6 1/4 2-3/4
Stroke	in	6 1/2"
Connection type	txt	4 1/2IF
Repair kit Quantity	yes/no no.	no N/A
Make	txt	N/A
Туре	txt	N/A
OD Body Min. ID	in in	N/A N/A
Stroke	in	N/A
Connection type	txt	N/A
Repair kit D.3.3 Jar intensifier	yes/no	N/A
Quantity	no.	1
Make	txt	BOWEN
Type OD Body	txt in	N/A 8
Min. ID	in	3 1/16
Connection type	txt	6 5/8 REG
Repair kit Quantity	yes/no no.	no 1
Make	txt	BOWEN
Туре	txt	N/A
OD Body Min. ID	in in	6 1/2 2 3/8
Connection type	txt	4 1/2 IF
Repair kit	yes/no	no
D.3.4 Surface Jar Quantity	no.	N/A
Make	txt	N/A
Туре	txt	N/A
OD Body Stroke	in in	N/A N/A
Connection type	txt	N/A
Repair kit	yes/no	N/A
D.3.5 Fishing Bumpersubs Quantity	no.	2
Make	txt	GOTCO
Туре		Bumpersub
OD Body Min. ID	in	8
	lin	2 1/2
Stroke	in in	3-1/2 60/20
Stroke Connection type	in txt	60/20 6 5/8 Reg
Stroke Connection type Quantity	in txt no.	60/20 6 5/8 Reg 2
Stroke Connection type Quantity Make	in txt no. txt	60/20 6 5/8 Reg 2 Gotco
Stroke Connection type Quantity Make Type OD Body	in txt no. txt txt txt	60/20 6 5/8 Reg 2 Gotco Bumpersub 6 3/4"
Stroke Connection type Quantity Make Type OD Body Min. ID	in txt no. txt txt in	60/20 6 5/8 Reg 2 Gotco Bumpersub 6 3/4" 2-1/4
Stroke Connection type Quantity Make Type OD Body Min. ID Stroke Connection type	in txt no. txt txt in	60/20 6 5/8 Reg 2 Gotco Bumpersub 6 3/4"
Stroke Connection type Quantity Make Type OD Body Min. ID Stroke Connection type D.3.6 Safety Joints	in txt no. txt txt in in in txt	60/20 6 5/8 Reg 2 Gotco Bumpersub 6 3/4" 2-1/4 60/20 4 1/2 IF
Stroke Connection type Quantity Make Type OD Body Min. ID Stroke Connection type D.3.6 Safety Joints Quantity	in txt no. txt txt in in in txt	60/20 6 5/8 Reg 2 Gotco Bumpersub 6 3/4" 2-1/4 60/20 4 1/2 IF
Stroke Connection type Quantity Make Type OD Body Min. ID Stroke Connection type D.3.6 Safety Joints Quantity Make Type	in txt no. txt txt txt in in in txt txt txt txt	60/20 6 5/8 Reg 2 Gotco Bumpersub 6 3/4" 2-1/4 60/20 4 1/2 IF 2 BOWEN Safety Joints
Stroke Connection type Quantity Make Type OD Body Min. ID Stroke Connection type D.3.6 Safety Joints Quantity Make Type OD Body	in txt no. txt txt txt in in tin txt no. txt txt	60/20 6 5/8 Reg 2 Gotco Bumpersub 6 3/4" 2-1/4 60/20 4 1/2 IF 2 BOWEN Safety Joints 6 1/8"
Stroke Connection type Quantity Make Type OD Body Min. ID Stroke Connection type D.3.6 Safety Joints Quantity Make Type OD Body Min. ID	in txt no. txt txt txt in in in txt no. txt txt	60/20 6 5/8 Reg 2 Gotco Bumpersub 6 3/4" 2-1/4 60/20 4 1/2 IF 2 BOWEN Safety Joints 6 1/8" 60/20
Stroke Connection type Quantity Make Type OD Body Min. ID Stroke Connection type D.3.6 Safety Joints Quantity Make Type OD Body Min. ID Connection type	in txt no. txt txt txt in in tin txt no. txt txt	60/20 6 5/8 Reg 2 Gotco Bumpersub 6 3/4" 2-1/4 60/20 4 1/2 IF 2 BOWEN Safety Joints 6 1/8" 60/20 4 1/2 IF
Stroke Connection type Quantity Make Type OD Body Min. ID Stroke Connection type D.3.6 Safety Joints Quantity Make Type OD Body Min. ID Connection type	in txt no. txt txt txt tin in in txt no. txt txt no. txt txt txt txt txt txt txt txt txt tx	60/20 6 5/8 Reg 2 Gotco Bumpersub 6 3/4" 2-1/4 60/20 4 1/2 IF 2 BOWEN Safety Joints 6 1/8" 60/20 4 1/2 IF N/A N/A
Stroke Connection type Quantity Make Type OD Body Min. ID Stroke Connection type D.3.6 Safety Joints Quantity Make Type OD Body Min. ID Connection type	in txt no. txt txt txt tin in in txt no. txt txt no. txt txt txt txt txt txt txt txt txt tx	60/20 6 5/8 Reg 2 Gotco Bumpersub 6 3/4" 2-1/4 60/20 4 1/2 IF 2 BOWEN Safety Joints 6 1/8" 60/20 4 1/2 IF N/A N/A
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Careacino by Careacin Careaci			
INSP. MICHAEL MARCHEST AND			
Same	Mill shoes type B	yes/no	N/A
March Marc			
Type			DRILLCO
Entron 29	Туре		
Carrection yes	For hole size	in	12 1/4
Section Sect	OD Body		
March			6 5/8 Reg
Special			DRILLCO
Family F	Туре		
Carriery 1999	For hole size	in	8 1/2
Description	OD Body		
March			
System S			
Firm Sept			
Discourse Disc	For hole size		
D.3.Pital Epitom Junk Mill	OD Body	in	N/A
Chambing Chambing		txt	N/A
Management Man		no	N/Δ
Uppe			
Comment Comm	Type		
Committee	OD flat mill	in	N/A
March Marc	Connection type	txt	N/A
System In	Quantity	no.	N/A
Ob Detail In NAA Connection type tot NAA Connection type no. NAA Make tot NAA State of the control of the co		txt	N/A
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Marco	Connection type		
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Sometimes State			
D.3.10 Marker Fishing Fools			
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Yye	Quantity		1
OB body			
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D.3.12 Die Collars	Length	ft	N/A
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 D.1 TUBULARS

 Connection type
 txt
 N/A





E. WELL CONTROL/SUBSEA EQUIPMENT		
E.1 LOWER RISER DIVERTER ASSEMBLY E.1.1 HYDRAULIC CONNECTOR		
Size	in	18,75
Make	txt	CAMERON
Surface controlled hydraulic operated dump valves Size	no.	2
E.1.2 FLEX JOINT/RISER ADAPTOR		
Flex joint make	txt	OIL STATES DIVERTER 11-8
Flex joint type Flex joint size	txt in	21,25
Flex joint max deflection	deg	10
Riser adaptor make	txt	CAMERON RF
Riser adaptor type Riser adaptor size	txt in	21,25
E.2 PRIMARY BOP STACK(FROM BOTTOM TO TOP)		
Guide frame Pick up attachment	yes/no yes/no	YES YES
Transport base	yes/no	NO
Size (Bore)	in	18,75
Working pressure H2S service	psi ves/no	15000 YES
E.2.1 ALTERNATE HYDRAULIC CONNECTOR	yesino	
Alternate connector available	yes/no	NO N/A
Connector make Connector Model	txt txt	N/A N/A
Adaptor available	yes/no	N/A
E.2.2 HYDRAULIC WELLHEAD CONNECTOR	lin.	10.75
Size Make	in txt	18,75 GE/VETCO
Туре	txt	STYLE HD
Working pressure Hot tap for underwater intervention	psi ves/po	15000 YES
Hot tap for underwater intervention Spare connector same type	yes/no yes/no	NO NO
E.2.3 RAM TYPE PREVENTERS		
E.2.3.1 PREVENTERS Quantity	no.	2
Bore Size	in	18,75
Working pressure	psi	15000
Make Model	txt txt	HYDRIL BOP 18-15 K CONVENTIONAL
Type	Single/Double	DOUBLE
Ram locks	yes/no	YES
Preventers connection type - top Preventers connection type - bottom	txt txt	STUDDED FLANGE
Side outlets	yes/no	YES
Size	in	3,0625
Connection type	txt	GASKET CX
E.2.3.2 PREVENTERS Quantity	no.	1
E.2.3.2 PREVENTERS Quantity Bore Size	in	1 18,75
E.2.3.2 PREVENTERS Quantity		1
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model	psi txt txt	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type	in psi txt txt Single/Double	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top	psi txt txt	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom	in psi txt txt Single/Double yes/no txt txt	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets	in psi txt txt Single/Double yes/no txt txt txt yes/no	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type	in psi txt txt Single/Double yes/no txt txt	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS	in psi txt txt Single/Double yes/no txt txt txt yes/no	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity	in psi txt txt Single/Double yes/no txt txt txt yes/no	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size Quantity	in psi txt txt Single/Double yes/no txt txt txt yes/no in	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size Quantity Size	in psi txt txt Single/Double yes/no txt txt yes/no in no. in. no. in.	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A N/A
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size Quantity	in psi txt txt Single/Double yes/no txt txt yes/no in no. in. no.	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size	in psi txt txt Single/Double yes/no txt txt yes/no in no. in. no. in. no. in.	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A N/A N/A N/A
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size Quantity	in psi txt txt Single/Double yes/no txt txt yes/no in no. in. no. in. no.	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A N/A N/A
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size	in psi txt txt Single/Double yes/no txt txt yes/no in no. in. no. in. no. in.	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A N/A N/A N/A N/A N/A N/A N/A N/A 1 BLIND SHEAR / 1 CASING SHEAR
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size Quantity Size Quantity Size Quantity Size E.2.3.4 BLIND/SHEAR RAMS Quantity E.2.3.5 VARIABLE RAMS Quantity Size range min.	in psi txt txt Single/Double yes/no txt txt yes/no in no. in. no. in. no. in. no. in. no. in. no. in.	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A N/A N/A N/A
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size Quantity Size Quantity Size Quantity Size Consection type E.2.3.4 BLIND/SHEAR RAMS Quantity Size Countity Size Quantity Size ange min. Size range min.	in psi txt txt Single/Double yes/no txt txt yes/no in no. in.	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A N/A N/A N/A N/A N/A 1 BLIND SHEAR / 1 CASING SHEAR 1 VARIABLE 4,5 TO 7 1
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size Quantity Size Quantity Size Quantity Size Connection type E.3.3 BLIND/SHEAR RAMS Quantity Size Countity Size Countity Size Countity Size Quantity Size Quantity Size Quantity Size Quantity Size Quantity Size Countity Size Fange min. Size range max. Quantity	in psi txt txt Single/Double yes/no txt txt yes/no in no. in. no. in. no. in. no. in. no. in. no. in.	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A N/A N/A N/A N/A N/A N/A N/A N/A 1 BLIND SHEAR / 1 CASING SHEAR 1 VARIABLE 4,5 TO 7 1 VARIABLE 3,5 TO 5,5 N/A
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size Quantity Size Quantity Size E.2.3.4 BLIND/SHEAR RAMS Quantity Size E.2.3.5 VARIABLE RAMS Quantity Size range min. Size range max. Quantity Size range min. Size range max. Size range min. Size range max.	in psi txt txt txt Single/Double yes/no txt txt yes/no in no. in. no. in. no. in. no. in. no. in. no. in. no.	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size Connection type E.2.3.4 BLIND/SHEAR RAMS Quantity E.2.3.5 VARIABLE RAMS Quantity Size range min. Size range max. Quantity Size range max. Quantity Size range max.	in psi txt txt txt Single/Double yes/no txt txt yes/no in no. in. no. in. no. in. no. in. no. in. in. in. in. in. in. in. in. in. in	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A N/A N/A N/A N/A 1 BLIND SHEAR / 1 CASING SHEAR 1 VARIABLE 4,5 TO 7 1 VARIABLE 3,5 TO 5,5 N/A N/A N/A N/A
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size Quantity Size Quantity Size Quantity Size E.2.3.4 BLIND/SHEAR RAMS Quantity E.2.3.5 VARIABLE RAMS Quantity Size range min. Size range max. Quantity Size range max. E.2.4 STACK CONFIGURATION Top Rams Middle upper rams	in psi txt txt Single/Double yes/no txt txt yes/no in no. in. no. in. no. in. no. in. txt txt txt txt txt txt txt txt txt tx	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size C.2.3.4 BLIND/SHEAR RAMS Quantity E.2.3.5 VARIABLE RAMS Quantity Size range min. Size range min. Size range max. Quantity Size range max. E.2.4 STACK CONFIGURATION Top Rams Middle lower rams	in psi txt txt txt Single/Double yes/no txt txt yes/no in no. in. no. in. no. in. no. in. in. txt txt txt txt txt txt txt txt txt tx	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A N/A N/A N/A N/A 1 BLIND SHEAR / 1 CASING SHEAR 1 VARIABLE 4,5 TO 7 1 VARIABLE 3,5 TO 5,5 N/A N/A N/A N/A BLIND SHEAR (N° 5 CAVITY) CASING SHEAR (N° 4 CAVITY) PIPE (N° 3 CAVITY UPPER PIPE RAM)
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size E.2.3.4 BLIND/SHEAR RAMS Quantity Size range min. Size range max. Quantity Size range max. Quantity Size range max. Quantity Size range max. Quantity Size range min. Size range min. Size range max. Quantity Size range max. Size range max. Size range max. Guantity Size range max. Size range max. Size range max. Size range max. E.2.4 STACK CONFIGURATION Top Rams Middle lopper rams Middle loper rams Spacing between middle and lower rams	in psi txt txt Single/Double yes/no txt txt yes/no in no. in. no. in. no. in. no. in. txt txt txt txt txt txt txt txt txt tx	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size Quantity Size Quantity Size E.2.3.4 BLIND/SHEAR RAMS Quantity Size E.2.3.5 VARIABLE RAMS Quantity Size range min. Size range min. Size range min. Size range max. Louantity Size range max. E.2.4 STACK CONFIGURATION Top Rams Middle upper rams Middle lower rams Spacing between middle and lower rams Lower lower fames	in psi txt txt Single/Double yes/no txt txt yes/no in no. in. no. in. no. in. no. iin. in to. iin. tin. txt txt txt txt txt	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A N/A N/A N/A N/A 1 BLIND SHEAR / 1 CASING SHEAR 1 VARIABLE 4,5 TO 7 1 VARIABLE 3,5 TO 5,5 N/A N/A N/A N/A BLIND SHEAR (N° 5 CAVITY) CASING SHEAR (N° 3 CAVITY UPPER PIPE RAM) 41
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size Quantity Size Quantity Size E.2.3.4 BLIND/SHEAR RAMS Quantity Size E.2.3.5 VARIABLE RAMS Quantity Size range min. Size range max. Quantity Size range max. E.2.4 STACK CONFIGURATION Top RAMS Middle upper rams Middle lower rams Spacing between middle and lower rams Lower lower farms Position of side outlets-Choke	in psi txt txt txt Single/Double yes/no txt txt yes/no in no. in. no. in. no. in. no. in. txt txt txt txt txt txt txt txt txt tx	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A N/A N/A N/A N/A N/A 1 BLIND SHEAR / 1 CASING SHEAR 1 VARIABLE 4,5 TO 7 1 VARIABLE 3,5 TO 5,5 N/A N/A N/A N/A BLIND SHEAR (N° 5 CAVITY) CASING SHEAR (N° 4 CAVITY) PIPE (N° 3 CAVITY UPPER PIPE RAM) 41 PIPE (N° 2 CAVITY MIDDLE PIPE RAM) PIPE (N° 1 CAVITY LOWER PIPE RAM) PIPE (N° 1 CAVITY LOWER PIPE RAM)
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PPE RAMS Quantity Size Quantity Size Quantity Size Quantity Size E.2.3.4 BLIND/SHEAR RAMS Quantity E.2.3.5 VARIABLE RAMS Quantity Size range min. Size range max. Quantity Size range max. E.2.4 STACK CONFIGURATION Top Rams Middle upper rams Spacing between middle and lower rams Lower lower rams Position of side outlets-Choke Upper Words AMS Upper United States and States a	in psi txt txt Single/Double yes/no txt txt yes/no in no. in. no. in. no. in. no. iin. txt txt txt txt txt txt txt txt txt tx	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size Connection type E.2.3.5 VARIABLE RAMS Quantity Size range min. Size range min	in psi txt txt txt Single/Double yes/no txt txt yes/no in no. in. no. in. no. in. no. in. txt txt txt txt txt txt txt txt txt tx	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size Quantity Size Quantity Size Quantity Size E.2.3.4 BLIND/SHEAR RAMS Quantity Size E.2.3.5 WAILABLE RAMS Quantity Size range min. Size range min. Size range max. Quantity Size range min. Size range min. Size range max. Quantity Size page min. Size range min. S	in psi txt txt txt Single/Double yes/no txt txt yes/no in no. in. no. in. no. in. no. in. no. in. txt txt txt txt txt txt txt txt txt tx	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A N/A N/A N/A N/A N/A N/A N/A 1 BLIND SHEAR / 1 CASING SHEAR 1 VARIABLE 4,5 TO 7 1 VARIABLE 3,5 TO 5,5 N/A N/A N/A N/A N/A N/A N/A N/A N/A U/A N/A N/A U/A N/A N/A N/A N/A N/A U/A N/A N/A N/A N/A N/A N/A N/A N/A U/A BLIND SHEAR (N° 5 CAVITY) CASING SHEAR (N° 4 CAVITY) PIPE (N° 3 CAVITY UPPER PIPE RAM) 41 PIPE (N° 2 CAVITY UPPER PIPE RAM) UNDER BLIND SHEAR RAM UNDER PIPE RAM 2 (MIDDLE PIPE RAM) UNDER PIPE RAM 3 (UPPER PIPE RAM)
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size Quantity Size Quantity Size Quantity Size Quantity Size Auxiliantity Size Cuantity Size E.2.3.4 BLIND/SHEAR RAMS Quantity Size range man. Size range man. Size range max. Quantity Size range max. Quantity Size range max. Quantity Size range max. Quantity Size range max. Lower lower rams Middle lower rams Middle lower rams Position of side outlets-Choke Upper Lower Position of side outlets-Kiil Upper Lower Position of side outlets-Kiil Upper Lower Position of side outlets-Kiil Upper Lower	in psi txt txt txt Single/Double yes/no txt txt yes/no in no. in. no. in. no. in. no. in. txt txt txt txt txt txt txt txt txt tx	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size Quantity Size Quantity Size Quantity Size Audity E.2.3.4 BLIND/SHEAR RAMS Quantity E.2.3.5 VARIABLE RAMS Quantity E.2.3.6 VARIABLE RAMS Quantity Size range min. Size range min. Size range max. Quantity Size range max. Quantity Size range min. Size	in psi txt txt txt Single/Double yes/no txt txt txt yes/no in no. in. no. in. no. in. no. in. no. in. in in in in txt txt txt txt txt txt txt txt txt tx	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size Quantity Size Quantity Size Quantity Size Connection type E.2.3.4 BLIND/SHEAR RAMS Quantity Size Countity E.2.3.5 VARIABLE RAMS Quantity E.2.3.6 VARIABLE RAMS Quantity Size range min. Size range max. Quantity Size range max. Quantity Size range max. Cuentity E.2.4 STACK CONFIGURATION Top Rams Middle upper rams Middle lower rams Spacing between middle and lower rams Lower upper rams Lower Upper rams Position of side outlets-Choke Upper Lower Postion of side outlets-Kill Upper Lower Postion of side pressure	in psi txt txt txt Single/Double yes/no txt txt yes/no in no. in. no. in. no. in. no. in. no. in. in in tin tin txt txt txt txt txt txt txt txt txt tx	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A N/A N/A N/A N/A N/A 1 BLIND SHEAR / 1 CASING SHEAR 1 VARIABLE 4,5 TO 7 1 VARIABLE 3,5 TO 5,5 N/A N/A N/A BLIND SHEAR (N° 5 CAVITY) CASING SHEAR (N° 3 CAVITY UPPER PIPE RAM) 41 PIPE (N° 2 CAVITY HODLE PIPE RAM) UNDER PIPE RAM 3 (UPPER PIPE RAM) UNDER PIPE RAM 1 (LOWER PIPE RAM) UNDER PIPE RAM 1 (LOWER PIPE RAM) 18,75 10000
E.2.3.2 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.2.3.3 PIPE RAMS Quantity Size Quantity Size Quantity Size Quantity Size Quantity Size Quantity Size Connection type E.2.3.4 BLIND/SHEAR RAMS Quantity Size Quantity Size R.2.3.4 BLIND/SHEAR RAMS Quantity Size range min. Size range min. Size range max. Quantity Size range min. S	in psi txt txt txt Single/Double yes/no txt txt txt yes/no in no. in. no. in. no. in. no. in. no. in. in in in in txt txt txt txt txt txt txt txt txt tx	1 18,75 15000 HYDRIL BOP 18-15 K - COMPACT Double YES STUDDED FLANGE YES 3,0625 GASKET CX 1 5,5 N/A





E. WELL CONTROL/SUBSEA EQUIPMENT		
E.2.6 MANDREL	11	CAMERON
Make Type	txt txt	CAMERON 18.75 10K
Size	in	18,75
E.2.7 FAIL-SAFE HYDRAULIC VALVES	200	2
Quantity on each side outlet Side (ID)	no. in	3,0625
Make	txt	CAMERON/CONTROLFLOW
Type Working pressure	txt psi	MCS VALVE/GATE VALVE TYPE "DW" 15000
Solid Block	yes/no	YES
E.2.8 SUBSEA ACCUMULATORS		
Quantity Useful capacity per accumulator(w/o pre-change)	no. U.S. gal	108 15
Bottle working pressure	psi	5000
E.2.9 HYDRAULIC CONTROL POD/ RECEPTACLES		
Quantity Redundancy	no. %	2 100%
Color coded	yes/no	YES
Remote regulation of operating pressure for functions requiring lower operating pressure	yes/no	YES
Spare control pod	yes/no	YES
E.3 PRIMARY LOWER MARINE RISER PACKAGE		
E.3.1 HYDRAULIC CONNECTOR Make	txt	AXON
Туре	txt	TYPE 93
Size	in	18,75
Working pressure Hot tap for underwater intervention	psi yes/no	10000 YES
Spare connector same type	yes/no	NO NO
E.3.2 ANNULAR TYPE PREVENTER (LMRP)	l.a	04.05
Size Working pressure	psi psi	21,25 5000
Make	txt	SHAFFER
Type	txt	SINGLE SPHERICAL
E.3.3 FLEX JOINT Make	txt	OIL STATES
Туре	txt	SUBSEA FLEX JOINT 21 1/4 - 5M WP
Size	in	19.25
Max deflection E.3.4 RISER ADAPTER	degrees	10
Make	txt	CAMERON
Type	txt	RF
E.3.5 CONNECTION LINES TO RISER	in	19.25
Type	rigid loops/coflexip/etc	ALL PIPE FLEX LOOPS
	<u> </u>	
E.4 SECONDARY BOP STACK		
Guide frame	yes/no	N/A
	yes/no yes/no yes/no	N/A N/A N/A
Guide frame Pick up attachment Transport base Size (Bore)	yes/no yes/no in	N/A N/A N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure	yes/no yes/no in psi	N/A N/A N/A N/A
Guide frame Pick up attachment Transport base Size (Bore)	yes/no yes/no in	N/A N/A N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available	yes/no yes/no in psi yes/no yes/no	N/A N/A N/A N/A N/A N/A N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make	yes/no yes/no in psi yes/no yes/no txt	N/A N/A N/A N/A N/A N/A N/A N/A N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available	yes/no yes/no in psi yes/no yes/no	N/A N/A N/A N/A N/A N/A N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E.4.2 HYDRAULIC WELLHEAD CONNECTOR	yes/no yes/no in psi yes/no yes/no txt txt yes/no	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E.4.2 HYDRAULIC WELLHEAD CONNECTOR	yes/no yes/no in psi yes/no yes/no txt txt txt yes/no	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E.4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size	yes/no yes/no in psi yes/no yes/no txt txt yes/no	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E.4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure	yes/no yes/no in psi yes/no yes/no txt txt txt yes/no txt txt jes/no	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E.4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention	yes/no yes/no in psi yes/no yes/no txt txt txt yes/no txt txt in	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E.4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E.4.3 RAM TYPE PREVENTERS	yes/no yes/no in psi yes/no yes/no txt txt tyes/no txt txt yes/no txt txt yes/no	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E.4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E.4.3 RAM TYPE PREVENTERS E.4.3.1 PREVENTERS	yes/no yes/no in psi yes/no yes/no txt txt txt txt in psi yes/no	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E.4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E.4.3 RAM TYPE PREVENTERS	yes/no yes/no in psi yes/no yes/no txt txt tyes/no txt txt yes/no txt txt yes/no	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E.4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E.4.3 RAM TYPE PREVENTERS E.4.3.1 PREVENTERS Quantity Bore Size Working pressure	yes/no yes/no in psi yes/no yes/no txt txt txt yes/no txt txt in psi yes/no over yes/no in psi yes/no in psi yes/no psi yes/no in psi	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E.4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E.4.3 RAM TYPE PREVENTERS E.4.3.1 PREVENTERS Quantity Bore Size Working pressure Morking pressure	yes/no yes/no in psi yes/no yes/no txt txt txt yes/no txt txt in psi yes/no yes/no no. in psi txt	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E.4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E.4.3 RAM TYPE PREVENTERS E.4.3.1 PREVENTERS Quantity Bore Size Working pressure	yes/no yes/no in psi yes/no yes/no txt txt txt yes/no txt txt in psi yes/no over yes/no in psi yes/no in psi yes/no psi yes/no in psi	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E.4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E.4.3 RAM TYPE PREVENTERS E.4.3.1 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks	yes/no yes/no in psi yes/no yes/no txt txt txt yes/no txt txt in psi yes/no yes/no no. in psi txt txt txt txt Single/Double yes/no	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Make Connector Model Adaptor available E.4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E.4.3 ARAM TYPE PREVENTERS E.4.3 ARAM TYPE PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top	yes/no yes/no in psi yes/no yes/no txt txt txt yes/no txt txt in psi yes/no yes/no no. in psi txt txt txt Single/Double yes/no txt	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E4.3 RAM TYPE PREVENTERS E4.3.1 PREVENTERS Quantity Bore Size Working pressure Model Make Model Type Ram locks	yes/no yes/no in psi yes/no yes/no txt txt txt yes/no txt txt in psi yes/no yes/no no. in psi txt txt txt txt Single/Double yes/no	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E.4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E.4.3.1 RREVENTERS Quantity Bore Size Working pressure Model Make Hot tap for underwater intervention Spare connector same type E.4.3.1 RREVENTERS Uannity Bore Size Poventers connection type - top Preventers connection type - bottom Side outlets Size	yes/no yes/no in psi yes/no yes/no txt txt txt tyes/no txt txt in psi yes/no yes/no no. in psi txt txt txt txt txt txt txt txt txt tx	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E.4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E.4.3 RAM TYPE PREVENTERS E.4.3.1 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type	yes/no yes/no in psi yes/no yes/no txt txt txt txt txt txt txt txt txt t	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E.4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E.4.3 RAM TYPE PREVENTERS E.4.3.1 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type	yes/no yes/no in psi yes/no yes/no txt txt txt tyes/no txt txt in psi yes/no yes/no no. in psi txt txt txt txt txt txt txt txt txt tx	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E.4.3 RAM TYPE PREVENTERS C.0 uantity Bore Size Working pressure Model Type Size Feventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.4.3.2 PIPE RAMS Quantity Size Connection type E.4.3.3 PIPE VAMS Counnection type E.4.3.4 PREVENTERS COunnection type E.4.3.5 PIPE RAMS Quantity Size	yes/no yes/no in psi yes/no yes/no txt txt txt yes/no txt txt in psi yes/no yes/no no. in psi txt txt txt txt txt txt txt txt txt tx	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E4.3.3 PREVENTERS Quantity Bore Size Working pressure Make Model Type Size Size Morking pressure F4.3.1 PREVENTERS F5.3 FREVENTERS F6.4.3 FREVENTERS F7.4 Size F8.5 Size F8.5 Size F8.6 Size F8.6 Size F8.7 Siz	yes/no yes/no in psi yes/no yes/no txt txt txt yes/no txt txt in psi yes/no yes/no no. in psi txt txt txt Single/Double yes/no txt txt txt yes/no txt txt txt in psi txt txt txt txt txt txt sin psi txt txt txt txt txt txt txt txt txt tx	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E.4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E.4.3 RAM TYPE PREVENTERS C.0uantity Bore Size Working pressure Make Model Type Size Feventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.4.3.2 PIPE RAMS Quantity Size	yes/no yes/no in psi yes/no yes/no txt txt txt yes/no txt txt in psi yes/no yes/no no. in psi txt txt txt txt txt txt txt txt txt tx	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Make Connector Make E.4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E.4.3 APREVENTERS E.4.3.1 PREVENTERS Working pressure Working pressure Hot tap for underwater intervention Spare connector same type E.4.3 RAM TYPE PREVENTERS E.4.3.1 PREVENTERS Working pressure Make Model Type Ram locks Preventers connection type - bottom Side outlets Size Connection type - bottom Side outlets Size Connection type E.4.3 PIPE RAMIS Quantity Size Quantity Size Quantity Size Quantity Size	yes/no yes/no in psi yes/no yes/no txt txt txt yes/no txt txt in psi yes/no yes/no no. in psi txt txt txt Single/Double yes/no txt txt txt yes/no in txt txt in psi txt txt txt txt txt txt sin psi txt txt txt txt txt txt txt txt txt sin psi txt txt txt txt txt txt txt txt txt tx	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E4.1 AUERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Make Connector Model Adaptor available E4.2 HYDRAULIC WELLHEAD CONNECTOR Make Tlype Size Working pressure Hot tap for underwater intervention Spare connector same type E4.3 RAM TYPE PREVENTERS E4.3.1 PREVENTERS Ouanitity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - bottom Side outlets Size Connector type E4.3.2 PIPE RAMS Quantity Size E4.3.3 BLIND/SHEAR RAMS	yes/no yes/no in psi yes/no yes/no yes/no txt txt txt yes/no txt txt in psi yes/no yes/no no. in psi txt txt txt txt txt txt txt txt txt tx	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Make Connector Make Connector Available E.4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E.4.3 ARM TYPE PREVENTERS E.4.3.1 PREVENTERS Quantity Bore Size Working pressure Model Type Ram locks Preventers connection type - bottom Side outlets Size Connection type E.4.3 PIPE RAMIS Quantity Size Quantity Size Quantity Size Quantity Size Quantity Size Quantity Size	yes/no yes/no in psi yes/no yes/no txt txt txt yes/no txt in psi yes/no yes/no no. in psi txt txt Single/Double yes/no txt txt txt yes/no in txt txt no. in. no. in. no. in. no. in. no.	N/A N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H-2S service E-4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E-4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E-4.3 RAM TYPE PREVENTERS E-4.3.1 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E-4.3.2 PIPE RAMS Quantity Size Quantity Size Quantity Size Quantity Size Quantity Size E-4.3.3 BLIND/SHEAR RAMS Quantity Size E-4.3.3 BLIND/SHEAR RAMS Quantity Size E-4.3.3 BLIND/SHEAR RAMS Quantity	yes/no yes/no in psi yes/no yes/no yes/no txt txt txt yes/no txt txt in psi yes/no yes/no no. in psi txt txt txt Single/Double yes/no txt txt txt yes/no txt txt txt no. in no.	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H2S service E.4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E.4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E.4.3 AN TYPE PREVENTERS E.4.3.1 PREVENTERS Ouantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E.4.3.2 PIPE RAMS Quantity Size Guantity Size A.4.3 BLIND/SHEAR RAMS Quantity Size range min.	yes/no yes/no in psi yes/no yes/no txt txt txt tyes/no txt txt in psi yes/no no. in psi txt txt txt txt txt txt txt txt txt tx	N/A
Guide frame Pick up attachment Transport base Size (Bore) Working pressure H-2S service E-4.1 ALTERNATE HYDRAULIC CONNECTOR Alternate connector available Connector Make Connector Model Adaptor available E-4.2 HYDRAULIC WELLHEAD CONNECTOR Make Type Size Working pressure Hot tap for underwater intervention Spare connector same type E-4.3 RAM TYPE PREVENTERS E-4.3.1 PREVENTERS Quantity Bore Size Working pressure Make Model Type Ram locks Preventers connection type - top Preventers connection type - bottom Side outlets Size Connection type E-4.3.2 PIPE RAMS Quantity Size Quantity Size Quantity Size Quantity Size Quantity Size E-4.3.3 BLIND/SHEAR RAMS Quantity Size E-4.3.3 BLIND/SHEAR RAMS Quantity Size E-4.3.3 BLIND/SHEAR RAMS Quantity	yes/no yes/no in psi yes/no yes/no yes/no txt txt txt yes/no txt txt in psi yes/no yes/no no. in psi txt txt txt Single/Double yes/no txt txt txt yes/no txt txt txt in no. in. no. in. no. in. no. in. no. in. no.	N/A





A SAME OF COMPOSITION	E. WELL CONTROL/SUBSEA EQUIPMENT		
Separation December Separation Separation December Separation December Separation December Separation S	Size range max.	in	N/A
Mile	E.4.4 STACK CONFIGURATION Top Rams	txt	N/A
BECHE SACKS STATE STAT	Middle upper rams	txt	N/A
Section			
Stoop Stoo			
Section Sect	Position of side outlets-kill		
Scient S	Upper		
1989 1989			
Mathematical Math	Upper		
1908 1908	Lower		
Miles		ln.	N/A
Carlo			
r. A. ASAMORSION III NA Vibin III NA USA III NA USA III NA USA III NA Describer or seed back out of III NA Standing or seed back out of III NA Value III NA	Make	txt	N/A
Page	Type	txt	N/A
Second	Make	txt	N/A
A FAME AND PROVIDED BY TO A TO	Туре	txt	N/A
District Property Property	Size	in	N/A
1		no.	N/A
Section	Size (ID)		
Member M	Make		
Self-Biss Self	Type Working pressure		
CA SUBSEA ACCUMULATORS	Solid Block		
Use of common	E.4.8 SUBSEA ACCUMULATORS		
Section Committing grossume Section Committed Growth			
Mathematical Countries Mathematical Countr			
Securitary Sec	E.4.9 HYDRAULIC CONTROL POD/RECEPTACLES		
Sear Controlled	Quantity		
Semilar regulation of operating pressure for functions requiring fewer operating pressure yes/no			
Section Sect			
5.5 SCORMETIONER MARINE RISER PICKAGE INTERMEDIC CONNECTOR INT		,	
March Marc	E.5 SECONDARY LOWER MARINE RISER PACKAGE	yes/no	IV/A
Value Int N/A Stype Int N/A Size In N/A Size In N/A Set type for underwater insevention perhon N/A set type for underwater insevention year no. N/A set type point scoredocts some type year no. N/A S. SAMULAR TYPE REVENTING LOWD? In N/A S. S. SAMULAR TYPE REVENTING LOWD? In N/A VAR A A Value MA A Value	E.5.1 HYDRAULIC CONNECTOR		
December December	Make		
Montang pressure psi NA Spare connector same type yes/no N/A Spare connector same type yes/no N/A Size In N/A Size In N/A Montang Preserver In N/A Make In N/A Montang Press In In In Montang Press In In In Mont	Type Size		
	Working pressure		
	Hot tap for underwater intervention	yes/no	N/A
NA NA NA NA NA NA NA NA		yes/no	N/A
Working pressure psi N/A Make pt N/A Uppe pt N/A Make pt N/A Make pt N/A Make pt N/A Size in N/A Size in N/A Size n/A N/A Size n/A<	Size	in	N/A
Victor Marke Mar	Working pressure	psi	N/A
	Make		
Make	E.5.2 FLEX JOINT	Int	14/1
N/A N/A	Make		
Max deflection degrees N/A Est A BISE ADAPTER Image: Common	Type Size		
E.5.4 IRIS ADAPTE Make	Max deflection		
March Marc	E.5.4 RISE ADAPTER		
In	Make		
E.S. CONNECTION LINES TO RISER	Size Size		
E. F. PRINARY MARINE RISER SYSTEM E.6.1 MARINE RISER JOINTS Make bxt CAMERON Model bxt RF OD in 21 DD in 19,625 Wall Thickness in 117,0688* / 0.625* Weight of one complete joint it 75 Ouantity no. 75 joints X 70 Pipe Material grade X80 Minimum Yield Strength psl 800000 Yippe riser connectors bxt BOLTFLANGE Dogs no. N/A Pup Joints 1 1 Quantity no. 2 Length ft 6,5 Quantity no. 2 Length ft 12,5 Quantity no. 2 Length ft 12,5 Quantity no. 2 Length ft 50 Quantity 2 2 Length 1	E.5.5 CONNECTION LINES TO RISER		
E.6.1 MARINE RISER JOINTS K CAMERON Make bt1 CAMERON Model bt1 RF DD in 21 DD in 19,625 Wall Thickness in 17,088° / 0.625° Wall Thickness in 17,088° / 0.625° Wall Thickness in 17,088° / 0.625° Wall Thickness 24100 10 Weight of one complete joint lbs 24100 Quantity no. 75' joints X 70 Pipe Material grade X8 Minimum Yield Strength psi 80000 Nype riser connectors txt BOLT FANGE Dogs no. N/A Pup Joints no. 2 Quantity no. 2 Length ft 1,5 Quantity no. 2 Length ft 1,2 Quantity no. 2 Length ft 50	Type E 4 DDIMARY MADINE DISER SYSTEM	rigid loops/coflexip/etc	N/A
Make txt CAMERON Model txt RF DO in 21 D in 19,625 Wall Thickness in 17,688*7,0625* Average legth of each joint ft 75 Weight of one complete joint lbs 24100 Quantity no. 75 joints X 70 Plpe Material grade X80 Winimum Yield Strength psi 80000 Iype riser connectors txt BOLT FLANGE Dogs no. N/A Pup Joints r 1 Quantity no. 2 Length ft 6.5 Quantity no. 2 Length ft 1.5 Quantity no. 2 Length ft 1.5 Quantity no. 2 Length g 2 Quantity ft 5 Length g 2 <td>E.6.1 MARINE RISER SYSTEM E.6.1 MARINE RISER JOINTS</td> <td></td> <td></td>	E.6.1 MARINE RISER SYSTEM E.6.1 MARINE RISER JOINTS		
OD in 21 D in 19,625 Wall Thickness in 1*70,688* / 0.625* Weight of each joint ft 75 Weight of one complete joint lbs 24100 Quantity no. 75 joints X 70 Pipe Material grade X80 Minimum Yield Strength psi 80000 Type riser connectors lxt BOLT FLANGE Dogs no. N/A Pap Joints r 1 Quantity no. 2 Length ft 6,5 Quantity no. 2 Length ft 12,5 Quantity no. 2 Length no. 2 Quantity p 25 Quantity p 37,5 Quantity p 1 Length p 1 Quantity p 1 Length p 1	Make		
D	Model		
Wall Thickness in 1* / 0.688* / 0.625* Average legth of each joint ft 75 Weight of one complete joint lbs 24100 Quantity no. 75* joints X 70 Pipe Material grade X80 Minimum Yield Strength psi 80000 Vipe riser connectors txt BOLT FLANGE Dogs no. N/A Pop Joints ro. N/A Quantity no. 2 Length ft 6.5 Quantity no. 2 Length ft 12,5 Quantity no. 2 Length 2 2 Quantity no. 2 Length 2 2 Quantity no. 2 Length 2 2 Quantity no 2 Length 1 1 Quantity no 1 Length 50	ID		
Dis Dis	Wall Thickness	in	1" / 0.688" / 0.625"
Quantity no. 75' joints X 70 Pipe Material grade X80 Minimum Yield Strength psi 80000 Type riser connectors txt BOLT FLANGE Dogs no. N/A Pup Joints Quantity no. 2 Length ft 6.5 Quantity no. 2 Length ft 12.5 Quantity no. 2 Length 2 2 Quantity no. 2 Length 37.5 37.5 Quantity 1 1 Length ft 50 Quantity no. 2 Length ft 50 Quantity no. 1 Length ft 50 Quantity no. 2 Length ft 50 Quantity no. 2 Length	Average legth of each joint		
Pipe Material grade X80 Minimum Yield Strength psi 800000 Mype riser connectors txt BOLT FLANGE Dogs no. N/A Pup Joints no. 2 Quantity no. 2 Length 6,5 6 Quantity no. 2 Length ft 12,5 Quantity no. 2 Length no. 2 Quantity no. 2 Length 2 2 Quantity 7 2 Length 7 2 Quantity 7 2 Length 8 37,5 Quantity 1 50 Quantity 6 50 Length 6 50 Quantity 7 50 Length 8 6 50 Quantity 1 6 6 Length<			
Type riser connectors txt BOLT FLANGE Dogs no. N/A Pup Joints Quantity no. 2 Length ft 6,5 Quantity no. 2 Length ft 12,5 Quantity no. 2 Length 25 Quantity Length 2 2 Quantity 1 1 Quantity 1 1 Quantity 1 1 Length 50 0 Quantity no. 1 Length 50 0 Quantity no. 1 Length 50 0 Quantity no. 1 Length 6t 50 Quantity 1 1 Length 6t 6t Quantity 1 1 Length 6t 6t <	Pipe Material	grade	X80
Dogs no. N/A Pup Joints no. 2 Quantity no. 2 Length ft 6,5 Quantity no. 2 Length ft 12,5 Quantity no. 2 Length 25 2 Quantity 2 2 Length 37,5 3 Quantity 1 1 Quantity ft 50 Quantity no. 50 Quantity no. 6 Quantity ft 50 Quantity no. 6 Length 6 6 Quantity ft 6 Length 6 6 Quantity 7 6 Length 6 6 CATELESCOPIC JOINT 6 6 Make 7 6	Minimum Yield Strength		
Pup Joints			
Quantity no. 2 Length ft 6,5 Quantity no. 2 Length ft 12,5 Quantity no. 2 Length 25 Quantity 2 Length 37,5 Quantity 1 Length 1 Quantity 1 Length ft Quantity no. Length ft Quantity no. Length 50 Quantity no. Length ft Length 50 Quantity no. Length 50 Quantity CAMERON	Pup Joints		
Quantity no. 2 Length ft 12,5 Quantity no. 2 Length 25 Quantity 2 2 Length 37,5 37,5 Quantity 1 1 Length ft 50 Quantity no. Length ft Quantity no. Length ft 50 Quantity no. Length ft Length ft Make Xtt CAMERON	Quantity		
Length ft 12,5 Quantity no. 2 Length 25 Quantity 2 Length 37,5 Quantity 1 Length 50 Quantity 50 Quantity no. Length ft Quantity no. Length ft Length ft Length CAMERON			
Quantity no. 2 Length 25 Quantity 2 Length 37,5 Quantity 1 Length 50 Quantity no. Length ft Quantity no. Length ft Length ft Length ft Length E.6.2 TELESCOPIC JOINT Make txt CAMERON	Length		
Quantity 2 Length 37,5 Quantity 1 Length 50 Quantity no. Length ft Length ft Length ft E.6.2 TELESCOPIC JOINT E.6.2 TELESCOPIC JOINT Make txt CAMERON	Quantity		2
Length 37,5 Quantity 1 Length 50 Quantity no. Length ft Length ft E.6.2 TELESCOPIC JOINT E.6.2 TELESCOPIC JOINT Make txt CAMERON	Length		
Quantity 1 Length 50 Quantity no. Length ft E.6.2 TELESCOPIC JOINT T Make txt CAMERON			
Quantityno	Quantity		1
Length ft	Length		50
E.6.2 TELESCOPIC JOINT txt CAMERON			
Make txt CAMERON	E.6.2 TELESCOPIC JOINT		
Type Txt RF DUAL PACKER BAYONET LOCK	Make		
	LIV00	Itvt	IRE DITAL PACKER RAYONET LOCK





E. WELL CONTROL/SUBSEA EQUIPMENT		
Size(ID)	in	19,625
Stroke Double scale	ft vos/no	55 YES
Double seals Spare Telescoping joint	yes/no yes/no	YES YES
Location		BASE
Rotating support ring for riser tensioners	Туре	SHAFFER 49.5" 800 TON DT-2
connection points E.6.3 KILL/CHOKE LINES	no.	16 EYES FOR TENSIONER WIRES
Quantity	no.	2
Outside diameter	in	5
Inside diameter	in	3
Working pressure E.6.4 BOOSTER LINES	psi	15000
Quantity	no.	1
Outside diameter	in	5
Inside diameter	in	4
Working pressure E.6.5 HYDRAULIC SUPPLY LINES	psi	5000
Quantity	no.	2,057
Outside diameter	in	2,88
Inside diameter	in	2
Working pressure E.6.6 UPPER BALL (FLEX) JOINT	psi	5000
Make	txt	OIL STATES
Туре	txt	DIVERTER 111
Size	in	19.25 MIN DIAM
Maximum deflection	deg.	10 NO
Spare upper ball (flex) joint E.6.7 BUOYANCY MODULES	yes/no	NO
Make	txt	EMERSON AND CUMING
Quantity of buoyed riser joints	no.	94
Riser tub OD	in	21
OD of buoyed riser joints Length of each module	ft ft	<u>46</u> 14
Volume of each module		51.2
Buoyancy in seawater	st/ft3	51.2
Rated water depth	ft	MAX 6000'
E.6.8 MARINE RISER SPIDER Make	txt	CAMERON
Туре	txt	Model HX Hydraulic Riser Spider
E.6.9 MARINE RISER GIMBAL		
Make	txt	CAMERON
Туре	txt	Model HX Split Gimbal Base Assembly for Hydraulic Riser
E.6.10 RISER HANDLING TOOLS		Spider
Quantity	no.	2
Туре	txt	HYDRAULIC
E.6.11 RISER TEST TOOLS	200	1
Quantity Type	no. txt	1 MANUAL
11700	LVAL	11 11 11 11 11 11 11 11 11 11 11 11 11
E.6.12 INSTRUMENTED RISER JOINT		N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity	no.	N/A N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make	no. txt	N/A N/A N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type	no. txt txt	N/A N/A N/A N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length	no. txt	N/A N/A N/A N/A N/A N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension	no. txt txt ft yes/no	N/A N/A N/A N/A N/A N/A N/A N/A N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp	no. txt txt ft yes/no yes/no	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight	no. txt txt ft yes/no yes/no yes/no	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other	no. txt txt ft yes/no yes/no	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight	no. txt txt ft yes/no yes/no yes/no	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make	no. txt txt ft yes/no yes/no yes/no txt no. txt	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type	no. txt txt ft yes/no yes/no yes/no txt no. txt	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no txt no. txt txt txt ft yes/no	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no txt no. txt txt ft yes/no yes/no	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID)	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no txt no. txt txt txt ft yes/no	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.7 SECONDARY MARINE RISER SYSTEM	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no txt no. txt txt ft yes/no yes/no	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.7 SECONDARY MARINE RISER SYSTEM E.7.1 MARINE RISER JOINTS	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no txt no. txt txt ft yes/no yes/no	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.7 SECONDARY MARINE RISER SYSTEM E.7.1 MARINE RISER JOINTS Make Model	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no txt ixt ft yes/no yes/no in SQUARE AREA	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.7 SECONDARY MARINE RISER SYSTEM E.7.1 MARINE RISER JOINTS Make Model OD	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no txt txt txt txt txt txt txt txt txt t	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.7 SECONDARY MARINE RISER SYSTEM E.7.1 MARINE RISER JOINTS Make Model OD ID	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no txt txt txt txt txt txt txt txt txt t	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.7.1 MARINE RISER JOINTS Make Model OD ID Wall Thickness	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no txt txt txt txt txt txt txt txt txt t	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.7 SECONDARY MARINE RISER SYSTEM E.7.1 MARINE RISER JOINTS Make Model OD ID Wall Thickness Average legth of each joint	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no txt txt txt txt txt txt txt ft yes/no yes/no no. in SQUARE AREA txt txt in in in ft	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.7 SECONDARY MARINE RISER SYSTEM Make Model OD ID Wall Thickness Average legth of each joint Weight of one complete joint Quantity Weight of one complete joint Quantity	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no txt txt txt txt ft yes/no no. in SQUARE AREA txt txt txt txt txt txt txt txt txt t	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.7 SECONDARY MARINE RISER SYSTEM E.7.1 MARINE RISER JOINTS Make Model OD ID Wall Thickness Average legth of each joint Weight of one complete joint Quantity Pipe Material	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no txt txt txt ft yes/no yes/no no. in SQUARE AREA txt txt txt txt txt txt txt txt txt t	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of Inlet valves Size of valves (ID) E.7 SECONDARY MARINE RISER SYSTEM E.7.1 MARINE RISER JOINTS Make Model OD ID Wall Thickness Average legth of each joint Weight of one complete joint Quantity Pippe Material Minimum Yield Strength	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no txt txt txt ft yes/no yes/no no. in SQUARE AREA txt txt txt in in in ft lbs no. grade psi	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.7 SECONDARY MARINE RISER SYSTEM E.7.1 MARINE RISER JOINTS Make Model OD UD Wall Thickness Average legth of each joint Weight of one complete joint Quantity Mate Monitor of the valves Size of valves (ID) Weight of one complete joint Quantity Weight of one complete joint Quantity Pipe Material Minimum Yield Strength Type riser connectors	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no txt txt txt ft yes/no yes/no no. in SQUARE AREA txt txt txt tin in in ft Ilbs no. grade psi txt	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.7 SECONDARY MARINE RISER SYSTEM E.7.1 MARINE RISER JOINTS Make Model OD ID Wall Thickness Average legth of each joint Weight of one complete joint Quantity Pipe Material Minimum Yield Strength Type riser connectors Dogs	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no txt txt txt ft yes/no yes/no no. in SQUARE AREA txt txt txt in in in ft lbs no. grade psi	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.7.1 MARINE RISER JOINTS Make Model OD UD Wall Thickness Average legth of each joint Weight of one complete joint Quantity Plipe Material Minimum Yield Strength Type iser connectors Dogs Pup Joints Quantity Quantity Quantity Pup Joints Quantity Quantity Quantity Quantity	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no in SQUARE AREA txt txt txt txt txt txt txt txt txt t	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of Inlet valves Size of valves (ID) E.7 SECONDARY MARINE RISER SYSTEM E.7.1 MARINE RISER JOINTS Make Model OD ID Wall Thickness Average legth of each joint Weight of one complete joint Quantity Plipe Material Minimum Yield Strength Type riser connectors Dogs Pup Joints Quantity Length	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no in SQUARE AREA txt txt txt txt txt txt txt txt txt t	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Siep of valves (ID) E.7 SECONDARY MARINE RISER SYSTEM E.7.1 MARINE RISER JOINTS Make Model OD ID Wall Thickness Average legth of each joint Weight of one complete joint Quantity Pipe Material Minimum Yield Strength Type isc connectors Dogs Pup Joints Quantity	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no txt txt txt ft yes/no yes/no no. in SQUARE AREA txt txt txt txt txt txt txt in in in ft lbs no. grade psi txt txt no.	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.7 SECONDARY MARINE RISER SYSTEM E.7.1 MARINE RISER JOINTS Make Model OD ID Wall Thickness Average legth of each joint Weight of one complete joint Quantity Pipe Material Minimum Yield Strength Type Siser connectors Dogs Pup Joints Quantity Length	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no in SQUARE AREA txt txt txt txt txt txt txt txt txt t	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.7 SECONDARY MARINE RISER SYSTEM E.1.1 MARINE RISER JOINTS Make Model OD ID Wall Thickness Average legth of each joint Weight of one complete joint Quantity Pipe Material Minimum Yield Strength Type Riser Connectors Dogs Pup Joints Quantity Length	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no in SQUARE AREA txt txt txt txt txt txt txt txt txt t	N/A
E.6.12 INSTRUMENTED RISER JOINT OLIVATION QUANTITY MARKE Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM QUANTITY MAKE Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.7.1 MARINE RISER JOINTS Make Model OD ID Wall Thickness Average legth of each joint Weight of one complete joint Quantity Hype Siser connectors Dogs Pup Joints Quantity Length	no. txt txt ft yes/no yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no no. in SQUARE AREA txt txt txt in in in ft lbs no. grade psi txt no. ft	N/A
E.6.12 INSTRUMENTED RISER JOINT Quantity Make Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of Inlet valves Size of valves (ID) E.7 SECONDARY MARINE RISER SYSTEM E.7.1 MARINE RISER JOINTS Make Model OD UD Wall Thickness Average legth of each joint Weight of one complete joint Quantity Pipe Material Minimum Yield Strength Type isser connectors Dogs Pup Joints Quantity Length	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no txt in in in in ft lbs no. grade psi txt no. ft	N/A
E.6.12 INSTRUMENTED RISER JOINT OLIVATION QUANTITY MARKE Type Length Functions Tension Mud Temp Mud Weight Other E.6.13 RISER FLOOD/FILL SYSTEM QUANTITY MAKE Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.7.1 MARINE RISER JOINTS Make Model OD ID Wall Thickness Average legth of each joint Weight of one complete joint Quantity Hype Siser connectors Dogs Pup Joints Quantity Length	no. txt txt ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no txt txt txt ft yes/no yes/no no. in SQUARE AREA txt txt tin in in in ft Ilbs no. grade psi txt txt no. ft	N/A





E. WELL CONTROL/SUBSEA EQUIPMENT		
		N/A N/A
		N/A
		N/A
Sapre Telescoping joint	y .	N/A
		N/A N/A
	,	N/A
E.7.3 KILL/CHOKE LINES		
5		N/A N/A
		N/A
		N/A
E.7.4 Booster lines		
		N/A N/A
		N/A
Working pressure	psi	N/A
E.7.5 HIDRAULIC SUPPLY LINES		N/A
		N/A
		N/A
	psi	N/A
E.7.6 UPPER BALL (FLEX) JOINT	+v+	NI / A
		N/A N/A
Size	in	N/A
		N/A
Spare upper ball (flex) joint E.7.7 BUOYANCY MODULES (IF FITTED)	yes/no	N/A
	txt	N/A
Quantity of buoed riser joints	no.	N/A
, ,		N/A
o .		N/A N/A
		N/A
Rated water deph		N/A
E.7.8 MARINE RISER SPIDER	tvt	N/A
		N/A N/A
E.7.9 MARINE RISER GIMBAL		
Make		N/A
Type E.7.10 RISER HANDLING TOOLS	txt	N/A
	no.	N/A
Туре		N/A
E.7.11 RISER TEST TOOLS	-	N/A
, and the second		N/A N/A
E.7.12 INSTRUMENTED RISER JOINT		
		N/A
		N/A
	tyt	NI/Δ
		N/A N/A
Length Functions	ft	N/A
Length Functions Tension	ft yes/no	N/A N/A
Length Functions Tension Mud Temp	ft yes/no yes/no	N/A N/A N/A
Length Functions Tension Mud Temp Mud Weight Other	ft yes/no yes/no yes/no	N/A N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM	yes/no yes/no yes/no txt	N/A N/A N/A N/A N/A N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity	yes/no yes/no yes/no txt no.	N/A N/A N/A N/A N/A N/A N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make	ft yes/no yes/no yes/no txt no. txt	N/A N/A N/A N/A N/A N/A N/A N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length	ft yes/no yes/no yes/no txt no. txt txt txt	N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation	ft yes/no yes/no yes/no txt no. txt txt ft yes/no	N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override	ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no	N/A N/A N/A N/A N/A N/A N/A N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID)	ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no yes/no no.	N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP	ft yes/no yes/no yes/no txt no. txt txt txt ft yes/no yes/no no. in	N/A N/A N/A N/A N/A N/A N/A N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make	ft yes/no yes/no yes/no txt no. txt txt txt ft yes/no yes/no no. in	N/A N/A N/A N/A N/A N/A N/A N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make Type	ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no no. in txt	N/A N/A N/A N/A N/A N/A N/A N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make Type Max Bore size Working pressure	ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no no. in txt txt txt	N/A N/A N/A N/A N/A N/A N/A N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make Type Max Bore size Working pressure Number of diverter outlets	ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no no. in txt txt txt txt txt txt txt txt txt	N/A N/A N/A N/A N/A N/A N/A N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make Type Max Bore size Working pressure Number of diverter outlets Outlet OD	ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no no. in txt txt txt in psi no. in	N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make Type Max Bore size Working pressure Number of diverter outlets Outlet OD	ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no no. in txt txt txt txt txt txt txt txt txt	N/A N/A N/A N/A N/A N/A N/A N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make Type Max Bore size Working pressure Number of diverter outlets Outlet OD Insert packer size ID E.8.1 DIVERTER FLOWLINES Quantity	ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no no. in txt txt txt in psi no. in in no.	N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make Type Max Bore size Working pressure Number of diverter outlets Outlet OD Insert packer size ID E.8.1 DIVERTER FLOWLINES Quantity OD of Flowlines	ft yes/no yes/no yes/no txt no. txt txt ttt ft yes/no yes/no no. in txt txt tixt in psi no. in in in no. in	N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make Type Max Bore size Working pressure Number of diverter outlets Outlet OD E.8.1 DIVERTER FLOWLINES Quantity OD of Flowlines Running from diverter to	ft yes/no yes/no yes/no txt no. txt txt ttt ft yes/no yes/no no. in txt txt tixt in psi no. in in in no. in no. in	N/A N/A N/A N/A N/A N/A N/A N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make Type Max Bore size Working pressure Number of diverter outlets Outlet OD Insert packer size ID E.8.1 DIVERTER FLOWLINES Quantity OD of Flowlines Running from diverter to Valves Types	ft yes/no yes/no yes/no txt no. txt txt ttt ft yes/no yes/no no. in txt txt tixt in psi no. in in in no. in no. in	N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make Type Max Bore size Working pressure Number of diverter outlets Outlet OD Insert packer size ID E.8.1 DIVERTER FLOWLINES Quantity OD of Flowlines Running from diverter to Valves Types Size Working pressure Running from diverter to Valves Types Size Working pressure	ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no no. in txt txt txt txt txt txt txt txt txt t	N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make Type Working pressure Number of diverter outlets Outlet OD Insert packer size ID E.8.1 DIVERTER FLOWLINES Quantity OD of Flowlines Running from diverter to Valves Types Size Working pressure Running from diverter to Valves Types Size Working pressure Running from diverter to Valves Types Size Working pressure Control Valve type	ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no no. in txt txt txt txt txt txt txt txt txt t	N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make Type Max Bore size Working pressure Number of diverter outlets Outlet OD Insert packer size ID E.8.1 DIVERTER FLOWLINES Quantity OD of Flowlines Running from diverter to Valves Types Size Working pressure Running from diverter to Valves Types Size Working pressure Running from diverter to Valves Types Size Working pressure Control Valve type Remote controlled from	ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no no. in txt txt txt txt txt txt txt txt txt t	N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make Type Working pressure Number of diverter outlets Outlet OD Insert packer size ID E.8.1 DIVERTER FLOWLINES Quantity OD of Flowlines Running from diverter to Valves Types Size Working pressure Running from diverter to Valves Types Size Working pressure Control Valve type	ft yes/no yes/no yes/no txt no. txt txt txt ft yes/no yes/no no. in txt txt txt txt txt txt txt txt txt t	N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make Type Max Bore size Working pressure Number of diverter outlets Outlet OD Insert packer size ID E.8.1 DIVERTER FLOWLINES Quantity OD of Flowlines Running from diverter to Valves Types Size Working pressure Control Valve type Remote controlled from E.8.2 DIVERTER CONTROL PANELS E.8.2.1 DRILLER'S PANEL Make	ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no no. in txt txt txt tin psi no. in in in no. iin txt txt txt txt txt txt txt txt txt tx	N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make Type Working pressure Number of diverter outlets Outlet OD Insert packer size ID E.8.1 DIVERTER FLOWLINES Quantity OD of Flowlines Running from diverter to Valves Types Size Working pressure Northing pressure Running from diverter to Valves Types Size Working pressure Running from diverter to Valves Types Size Working pressure E.8.2 DIVERTER CONTROL PANELS E.8.2.1 DRILLER'S PANEL Make Model	ft yes/no yes/no yes/no txt no. txt txt txt ft yes/no yes/no no. in txt txt txt tin psi no. in in txt txt txt txt txt txt txt txt txt tx	N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make Type Max Bore size Working pressure Number of diverter outlets Outlet OD Insert packer size ID E.8.1 DIVERTER FLOWLINES Quantity OD of Flowlines Running from diverter to Valves Types Size Working pressure Control Valve type Remote controlled from E.8.2 DIVERTER CONIROL PANELS E.8.2.1 DRILLER'S PANEL Make Model Location	ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no no. in txt txt tixt in psi no. in in txt txt txt tixt txt txt txt txt txt tx	N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make Type Max Bore size Working pressure Number of diverter outlets Outlet OD Insert packer size ID E.8.1 DIVERTER FLOWLINES Quantity OD of Flowlines Running from diverter to Valves Types Size Working pressure Running from diverter to Valves Types Size Working pressure E.8.2.1 DIVERTER FLOWLINES Countrol Valve type Remote controlled from E.8.2.2 ID RILLER'S PANEL Make Model Location Locking/unlocking control E.8.2.2 REMOTE PANEL	ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no no. in txt txt in psi no. in in in txt txt txt txt txt txt txt txt txt tx	N/A
Length Functions Tension Mud Temp Mud Weight Other E.7.13 RISER FLOOD/FILL SYSTEM Quantity Make Type Length Automatic Operation Manual override No. Of inlet valves Size of valves (ID) E.8 DIVERTER BOP Make Type Max Bore size Working pressure Number of diverter outlets Outlet OD Insert packer size ID E.8.1 DIVERTER FLOWLINES Quantity OD of Flowlines Running from diverter to valves Types Size Working pressure Control Valve type Remote controlled from E.8.2 DIVERTER CONTROL PANELS E.8.2.1 DRILLER'S PANEL Make Model Location Locking/unlocking control E.8.2.2 REMOTE PANEL Make	ft yes/no yes/no yes/no txt no. txt txt ft yes/no yes/no no. in txt txt in psi no. in in in in txt txt txt txt txt txt txt txt txt tx	N/A





E. WELL CONTROL/SUBSEA EQUIPMENT		
		DOG HOUSE / TOOL PUSHERS OFFICE / SUB SEA WORKSHOP /
Location	txt	CCU
Locking/unlocking control E.9 SUBSEA SUPPORT SYSTEM	yes/no	YES
E.9.1 RISER TENSIONERS		
Quantity	no.	16
Make		WESTERN GEAR CORP. OIL / AIR
Type Capacity each tensioner	txt st	265 GALLONS
Maximum stroke	ft	12
Wireline Size		1,75 50
Line travel Independent air compressors		YES
Independent air drying unit	yes/no	YES
E.9.2 GUIDELINE SYSTEM	200	N/A
Quantity Make		N/A
Туре		N/A
Capacity each tensioner Maximum stroke		N/A N/A
Wireline Size		N/A
Line travel		N/A
Line storage drums with tensioners E.9.3 REMOTE GUIDELINE RAPLACEMENT TOOL	yes/no	N/A
Make	txt	N/A
Туре	txt	N/A
E.9.4 REMOTE GUIDELINE CUTTING TOOL Make	txt	N/A
Туре	txt	N/A
E.9.5 POD LINE TENSIONERS		
Make Type		N/A N/A
Capacity each tensioner		N/A N/A
Maximum stroke	ft	N/A
Wireline Size Line travel	in ft	N/A N/A
E.9.6 TENSIONER/COMPENSATOR AIR PRESSURE VESSELS		IV/A
Quantity		52
Total capacity Peted working pressure	ft3 psi	2460 3000
Rated working pressure Pressure Relief valve installed	yes/no	YES
E.10 BOP CONTROL SYSTEM		
E.10.1 SURFACE ACCUMULATOR UNIT	t.ut	HYDRIL
Make Model		AC385
Туре	txt	PLC AUTOMATED
Location Solvelle oil receiver agreeity		SUB SEA WORKSHOP
Soluble oil resevoir capacity Oil/water mix. Capacity	Ü	220 900
Glycol reservoir capacity		550
No. Of bottles installed	no.	78 15 CALLON
Useful capacity per accumulator E.10.2 ACCUMULATOR HYDRAULIC PUMPS		15 GALLON
E.10.2.1 ELECTRIC DRIVEN		
Quantity Make	no.	3 UNION
Model	txt txt	QD100 QUINTUPLEX
Each driven by motor of power	hp	100
	0	26.23
At minimum operating pressure E.10.2.2 AIR DRIVEN	psi	4500
Quantity		N/A
Make		N/A
Model Each driven by motor of power		N/A N/A
Flow rate of each pump	U.S.gal/min	N/A
At minimum operating pressure	psi	N/A
E.10.3 DRILLER'S CONTROL PANEL		
Graphic control panel at driller's position showing subsea functions with controls for the following		
functions of the BOP stack	İ	
In derine ricer connector	voc/po	VEC
		YES YES
All annular type BOP's All ram type BOP's	yes/no yes/no	YES YES
All annular type BOP's All ram type BOP's Lock for ram type BOP's	yes/no yes/no yes/no	YES YES YES
All annular type BOP's All ram type BOP's Lock for ram type BOP's Wellhead and LMRP connector	yes/no yes/no yes/no yes/no	YES YES YES YES
All annular type BOP's All ram type BOP's Lock for ram type BOP's Wellhead and LMRP connector Inner and outer kill and choke line valves Low acc. Pressure warning	yes/no yes/no yes/no yes/no yes/no yes/no yes/no	YES YES YES YES YES YES YES YES
All annular type BOP's All ram type BOP's Lock for ram type BOP's Wellhead and LMRP connector Inner and outer kill and choke line valves Low acc. Pressure warning Low reservoir level warning	yes/no yes/no yes/no yes/no yes/no yes/no yes/no yes/no	YES YES YES YES YES YES YES YES YES
All annular type BOP's All ram type BOP's Lock for ram type BOP's Wellhead and LMRP connector Inner and outer kill and choke line valves Low acc. Pressure warning Low reservoir level warning Pressure regulator for annular	yes/no	YES
All annular type BOP's All ram type BOP's Lock for ram type BOP's Wellhead and LMRP connector Inner and outer kill and choke line valves Low acc. Pressure warning Low reservoir level warning Pressure regulator for annular Flowmeter Quantity of pressure gauges	yes/no no.	YES
All annular type BOP's All ram type BOP's Lock for ram type BOP's Wellhead and LMRP connector Inner and outer kill and choke line valves Low acc. Pressure warning Low reservoir level warning Pressure regulator for annular Flowmeter Quantity of pressure gauges Emergency push button for automatic riser disconnection	yes/no	YES
All annular type BOP's All ram type BOP's Lock for ram type BOP's Wellhead and LMRP connector Inner and outer kill and choke line valves Low acc. Pressure warning Low reservoir level warning Pressure regulator for annular Flowmeter Quantity of pressure gauges Emergency push button for automatic riser disconnection Other control functions	yes/no	YES
All annular type BOP's All ram type BOP's Lock for ram type BOP's Wellhead and LMRP connector Inner and outer kill and choke line valves Low acc. Pressure warning Low reservoir level warning Pressure regulator for annular Flowmeter Quantity of pressure gauges Emergency push button for automatic riser disconnection Other control functions Control Panel make	yes/no no. yes/no yes/no txt	YES
All annular type BOP's All ram type BOP's Lock for ram type BOP's Wellhead and LMRP connector Inner and outer kill and choke line valves Low acc. Pressure warning Low reservoir level warning Pressure regulator for annular Flowmeter Quantity of pressure gauges Emergency push button for automatic riser disconnection Other control functions Control Panel make Contol panel model E.10.4 REMOTE CONTROL PANELS	yes/no no. yes/no txt txt	YES
All ram type BOP's Lock for ram type BOP's Wellhead and LMRP connector Inner and outer kill and choke line valves Low acc. Pressure warning Low reservoir level warning Pressure regulator for annular Flowmeter Quantity of pressure gauges Emergency push button for automatic riser disconnection Other control functions Control Panel make Contol panel model E.10.4 REMOTE CONTROL PANELS Ability to operate main closing unit valves directly	yes/no no. yes/no txt txt yes/no	YES
All ram type BOP's Lock for ram type BOP's Wellhead and LMRP connector Inner and outer kill and choke line valves Low acc. Pressure warning Low reservoir level warning Pressure regulator for annular Flowmeter Quantity of pressure gauges Emergency push button for automatic riser disconnection Other control functions Control Panel make Contol panel model E.10.4 REMOTE CONTROL PANELS Ability to operate main closing unit valves directly Quantity	yes/no no. yes/no txt txt	YES
Marine riser connector All annular type BOP's All ram type BOP's Lock for ram type BOP's Wellhead and LMRP connector Inner and outer kill and choke line valves Low acc. Pressure warning Low reservoir level warning Pressure regulator for annular Flowmeter Quantity of pressure gauges Emergency push button for automatic riser disconnection Other control functions Control Panel make Contol panel model E.10.4 REMOTE CONTROL PANELS Ability to operate main closing unit valves directly Quantity Make Model	yes/no no. yes/no txt txt txt yes/no no. txt txt	YES
All ram type BOP's Lock for ram type BOP's Wellhead and LMRP connector Inner and outer kill and choke line valves Low acc. Pressure warning Low reservoir level warning Pressure regulator for annular Flowmeter Quantity of pressure gauges Emergency push button for automatic riser disconnection Other control functions Control Panel make Contol panel model E.10.4 REMOTE CONTROL PANELS Ability to operate main closing unit valves directly Quantity Make	yes/no no. yes/no txt txt txt yes/no no. txt txt	YES





E. WELL CONTROL/SUBSEA EQUIPMENT		
E.11.1 POD HOSE REELS		N/A
Quantity	no.	N/A
Location	txt	N/A
Make	txt	N/A
Type Maximum storage length each	txt ft	N/A N/A
Drive motor type	txt	N/A
E.11.2 POD HOSE		N/A
Location	txt	N/A
Length	ft	N/A
OD hose	lin	N/A
Control line ID Quantity total	in no.	N/A N/A
Quantity total Quantity spare (whem new)	no.	N/A
Control line ID	in	N/A
Quantity total	no.	N/A
Quantity spare (whem new)	no.	N/A
Control line ID	in	N/A
Quantity total Quantity spare (whem new)	no.	N/A N/A
2ddinty spare (when new)	no.	1977
E.11.1A MUX CABLE REELS		
Quantity	no.	2
Location	txt	MOONPOOL
Make	txt	RADOIL MILV DEEL
Type Maximum storage length each	ft	MUX REEL 8000
maximam storage rength each	11.	
E.11.1A AUX HOSE REELS		
Quantity	no.	1
Location	txt	MOONPOOL
Make	txt	PATCO
Type Maximum storage length each	ft	4LINE HOSE FOR FRISER FILL VALVE 1200
Maximum storage length each Drive motor type	txt	AIR
E.11.2A MUX CABLE		p
Location	txt	MOONPOOL
Length	ft	8000
OD CABLE	in	0,81
Control line ID	in	N/A
Quantity total Quantity spare (whem new)	no.	N/A N/A
Control line ID	in in	N/A
Quantity total	no.	N/A
Quantity spare (whem new)	no.	N/A
Control line ID	in	N/A
Quantity total	no.	N/A
Quantity angre (whom now)	20	
Quantity spare (whem new) F 12 ACQUISTIC EMERGENCY ROP CONTROL SYSTEM	no.	N/A
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM	no.	N/A
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make		
Quantity spare (whem new) E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type	txt	N/A KONGSBERG / HYDRIL
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model	txt txt	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model	txt txt	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type	txt txt	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model	txt txt Fixed/Portable	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type	txt txt Fixed/Portable	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type	txt txt Fixed/Portable	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8
Make Model Type Number of functions	txt txt Fixed/Portable	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type	txt txt Fixed/Portable	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8
Make Model Type Number of functions	txt txt Fixed/Portable	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM
Make Model Type Number of functions Type of functions	txt txt Fixed/Portable no.	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK.
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close	txt txt Fixed/Portable	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT	txt txt Fixed/Portable no. yes/no	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR	txt txt Fixed/Portable no. yes/no yes/no	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make	txt txt Fixed/Portable no. yes/no yes/no txt	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type	txt txt Fixed/Portable no. yes/no yes/no txt txt	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors	txt txt Fixed/Portable no. yes/no yes/no txt txt txt no.	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE
Make Model Type Number of functions Type of functions LMRP connector release	txt txt fixed/Portable no. yes/no yes/no txt txt txt txt txt txt no.	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors Monitor location Monitor location Monitor location Recorder	txt txt fixed/Portable no. yes/no yes/no txt txt txt txt txt txt no.	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors Monitor location Monitor location Monitor location Recorder E.13.2 RISER ANGLE INDICATOR	txt txt fixed/Portable no. yes/no yes/no txt txt txt txt txt txt no. txt txt txt yes/no	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors Monitor location Monitor location Monitor location Recorder E.13.2 RISER ANGLE INDICATOR Make E.13.2 RISER ANGLE INDICATOR	txt txt txt Fixed/Portable no. yes/no yes/no txt txt txt txt txt txt txt txt txt t	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A HYDRIL KONGSBERG
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors Monitor location	txt txt fixed/Portable no. yes/no yes/no txt txt txt txt no. txt txt txt txt txt txt txt txt txt tx	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A HYDRIL KONGSBERG AA353
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors Monitor location Monitor location Recorder E.13.2 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Monitor location Recorder E.13.2 RISER ANGLE INDICATOR Make Type Quantity of monitors	txt txt fixed/Portable no. yes/no yes/no txt txt txt no. txt txt txt txt txt txt no. txt txt txt no. txt txt txt no. txt txt txt no.	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A HYDRIL KONGSBERG AA353
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors Monitor location Monitor location Recorder E.13.2 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Monitor location Make Type Quantity of monitors Monitor location	txt txt fixed/Portable no. yes/no yes/no txt txt txt txt no. txt txt txt txt txt txt txt txt txt tx	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A HYDRIL KONGSBERG AA353
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors Monitor location Monitor location Make E.13.2 RISER ANGLE INDICATOR Make Type Quantity of monitors Make Type Quantity of monitors Monitor location	txt txt fixed/Portable no. yes/no yes/no txt txt txt no. txt txt txt txt txt txt no. txt txt txt txt txt txt txt txt txt tx	KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A HYDRIL KONGSBERG AA353 9 SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors Monitor location Monitor location Recorder E.13.2 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Recorder E.13.3 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Recorder E.13.3 SLOPE INDICATORS	txt txt fixed/Portable no. yes/no yes/no txt txt txt txt no. txt txt txt yes/no txt txt txt yes/no	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A HYDRIL KONGSBERG AA353 9 SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUDE INDICATOR Monitor location Monitor location Make Type Quantity of monitors Mose E.13 SISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Monitor location Monitor location Mose E.13 RISER ANGLE INDICATOR Make Type Quantity of monitors Mose Recorder E.13.2 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location	txt txt fixed/Portable no. yes/no yes/no txt txt txt no. txt txt yes/no txt txt txt yes/no txt txt txt txt txt txt txt txt txt t	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A HYDRIL KONGSBERG AA353 9 SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors Monitor location Recorder E.13.2 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Recorder E.13.3 SLOPE INDICATORS Make Quantity	txt txt fixed/Portable no. yes/no yes/no txt txt txt txt no. txt txt txt yes/no txt txt txt yes/no	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A HYDRIL KONGSBERG AA353 9 SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors Monitor location Monitor location Recorder E.13.2 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Recorder E.13.3 SLOPE INDICATORS Make Quantity Provision for installation on	txt txt fixed/Portable no. yes/no yes/no txt txt txt no. txt txt txt yes/no txt txt txt no. txt txt	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A HYDRIL KONGSBERG AA353 9 SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE NO 1-TECH 3
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors Monitor location Monitor location Recorder E.13.2 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Monitor l	txt txt Fixed/Portable no. yes/no yes/no txt txt txt no. txt txt txt yes/no txt txt txt no. txt txt txt	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A HYDRIL KONGSBERG AA353 9 SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE NO I-TECH 3 YES
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors Monitor location Monitor location Monitor location Recorder E.13.2 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Monitor location Monitor location Recorder E.13.2 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Monitor location Recorder E.13.2 SISER SISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Monitor location Recorder E.13.3 SLOPE INDICATORS Make Quantity Provision for installation on BOP Pin connector	txt txt fixed/Portable no. yes/no yes/no txt txt txt no. txt txt txt yes/no txt txt txt no. txt txt yes/no	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A HYDRIL KONGSBERG AA353 9 SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE NO I-TECH 3 YES N/A
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors Monitor location Recorder E.13.2 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Recorder E.13.3 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Recorder E.13.3 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Recorder E.13.3 SIOPE INDICATORS Make Quantity Provision for installation on BOP Pin connector Other	txt txt Fixed/Portable no. yes/no yes/no txt txt txt no. txt txt txt yes/no txt txt txt no. txt txt txt	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A HYDRIL KONGSBERG AA353 9 SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE NO I-TECH 3 YES
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors Monitor location Monitor location Monitor location Make Type Quantity of monitors Monitor location Monitor l	txt txt fixed/Portable no. yes/no yes/no txt txt txt no. txt txt txt yes/no txt txt txt no. txt txt yes/no	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK, YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A HYDRIL KONGSBERG AA353 9 SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A HYDRIL KONGSBERG AA353 9 SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE NO I-TECH 3 YES N/A LMRP / RISER ADAPTER
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors Monitor location Monitor location Recorder E.13.2 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Recorder E.13.3 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Recorder E.13.3 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Recorder E.13.3 SLOPE INDICATORS Make Quantity Provision for installation on BOP Pin connector Other E.13.4 UNDERWATER TV SYSTEM Make Type	txt txt txt Fixed/Portable no. yes/no yes/no txt txt txt no. txt txt txt yes/no txt txt txt no. txt txt txt txt txt txt txt txt txt tx	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1ALL STABS RETRACT, 2AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A HYDRIL KONGSBERG AA353 9 SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE NO I-TECH 3 YES N/A LMRP / RISER ADAPTER
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors Monitor location Monitor location Monitor location Recorder E.13.2 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Monitor location Recorder E.13.2 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Monitor location Recorder E.13.3 SLOPE INDICATORS Make Quantity Provision for installation on BOP Pin connector Other E.13.4 UNDERWATER TV SYSTEM Make Type Quantity of TV monitors	txt txt txt Fixed/Portable no. yes/no yes/no txt txt txt no. txt txt txt yes/no txt txt txt no. txt txt txt txt txt txt txt txt txt tx	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A HYDRIL KONGSBERG AA353 9 SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE NO I-TECH 3 YES N/A LMRP / RISER ADAPTER N/A N/A N/A
Make Model Type Number of functions Number of functions Itype of functions Itype of functions Itype of functions IMRP connector release Shear ram close E.13 SUSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors Monitor location Monitor location Monitor location Make Itype Quantity of monitors Monitor location Make E.13.2 RISER ANGLE INDICATOR Make Make Quantity of monitors Monitor location Pecorder E.13.3 SLOPE INDICATORS Make Quantity Provision for installation on BOP Pin connector Other E.13.4 UNDERWATER TV SYSTEM Make Type Quantity of TV monitors Monitor location	txt txt txt Fixed/Portable no. yes/no txt txt txt no. txt txt txt yes/no txt txt txt no. txt txt txt txt txt txt txt txt txt tx	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A HYDRIL KONGSBERG AA353 9 SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE NO I-TECH 3 YES N/A LMRP / RISER ADAPTER N/A N/A N/A N/A
E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM Make Model Type Number of functions Type of functions LMRP connector release Shear ram close E.13 SUBSEA AUXILIARY EQUIPMENT E.13.1 HOLE POSITION INDICATOR Make Type Quantity of monitors Monitor location Monitor location Monitor location Recorder E.13.2 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Monitor location Recorder E.13.2 RISER ANGLE INDICATOR Make Type Quantity of monitors Monitor location Monitor location Recorder E.13.3 SLOPE INDICATORS Make Quantity Provision for installation on BOP Pin connector Other E.13.4 UNDERWATER TV SYSTEM Make Type Quantity of TV monitors	txt txt txt Fixed/Portable no. yes/no yes/no txt txt txt no. txt txt txt yes/no txt txt txt no. txt txt txt txt txt txt txt txt txt tx	N/A KONGSBERG / HYDRIL ACS 433 WITH ACC 401 PORTABLE 8 1-ALL STABS RETRACT, 2-AUTOSHEAR ARM, 3-UPPER PIPE RAM CLOSE, 4-BLIND SHEAR RAM CLOSE, 5- CASING SHEAR RAM CLOSE, 6-BLIND SHEAR RAM OPEN, 7- RISER CONNECTOR PRI/SEC UNLOCK, 8- STACK CONNECTOR PRI/SEC UNLOCK. YES YES HYDRIL MUX MULTI ANGLE TILT SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE N/A HYDRIL KONGSBERG AA353 9 SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE SUB SEA WORKSHOP, CCU, DOGHOUSE, T/P OFFICE NO LTECH 3 YES N/A LMRP / RISER ADAPTER N/A N/A N/A





E WELL CONTROL (CURE A FOLUDATAIT		
E. WELL CONTROL/SUBSEA EQUIPMENT TV frame type	txt	N/A
Pan/tilt unit	yes/no	N/A
Spare camera	yes/no	N/A
Spare cable	yes/no	N/A
E.13.5 ROV SYSTEM Quantity	no	ONE (1)
Make	no. txt	OCEANEERING
Type	txt	MAGNUM
Monitor location	txt	Control Cabin
Monitor location	txt	N/A
Provided by (operator, contractor) Maximum water depth	ft	OCEANEERING 6200
Cameras - color	no.	YES
Cameras - B & W	no.	YES
Manipulators		
Quantity	no.	1
Type (spacially correspondent, rate, grabber) Functions	txt txt	Shilling Robotics Conan - Rate Pack Controller
Quantity	no.	<u>/</u> 1
Type (spacially correspondent, rate, grabber)		Shilling Robotics Rig Master - Rate Pack Controller
Functions	txt	5
Quantity	no.	N/A
Type (spacially correspondent, rate, grabber) Functions	txt	N/A N/A
Sonar	txt	11V/A
Type	txt	Tritech - Super Seaking DST
Туре	txt	N/A
E.14 CHOKE MANIFOLD		
E.14.1 CHOKE MANIFOLD	tvt	CAMERON
Make Minimum ID	txt in	3,0625
Maximum WP	psi	15000
H2S service	yes/no	YES
Quantity of fixed chokes	no.	0
Make Model	txt	N/A
Model Size (ID)	in txt	N/A N/A
Quantity of adjustable chokes		4
Make		CAMERON
Model	txt	DRILLING CHOKE
Size (ID)	in	1,75 2
Quantity of power chokes Make	no. txt	CAMERON
Model	txt	HYDRAULIC DRILLING CHOKE
Size (ID)	in	1,75
Power choke remote control panel	yes/no	YES
Make Model		CAMERON 10,000PSI SP/15,000PSICM
Location	txt txt	DOG HOUSE
Glycol injetion	yes/no	NO NO
E.14.2 FLEXIBLE CHOKE & KILL LINES		
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity	no.	2
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make	txt	COPPER STATE
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type	txt txt	
Cuantity Make Type ID	txt	COPPER STATE
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity	txt txt in	COPPER STATE CO-FLEXIP STYLE 3
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make	txt txt in psi no. txt	COPPER STATE CO-FLEXIP STYLE 3
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type	txt txt in psi no. txt	COPPER STATE CO-FLEXIP STYLE 3
Cuantity Make Type ID Working pressure Quantity Make Type ID Under the pressure ID ID ID ID ID ID ID ID ID I	txt txt in psi no. txt txt in	COPPER STATE CO-FLEXIP STYLE 3
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type	txt txt in psi no. txt	COPPER STATE CO-FLEXIP STYLE 3
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP	txt txt in psi no. txt txt txt in	COPPER STATE CO-FLEXIP STYLE 3 15000
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP	txt txt in psi no. txt txt txt txt txt txt txt txt	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP Make Model	txt txt txt in psi no. txt txt txt txt txt txt txt txt txt	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH AC874
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP Make Model Type	txt txt in psi no. txt txt txt txt txt txt txt txt	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP Make Model Type Pressure rating Chart recorder	txt txt txt in psi no. txt txt txt txt txt txt txt txt txt tx	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH AC874 TRIPLEX PUMP
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP Make Model Type Pressure rating Chart recorder E.15.2 BOP TEST STUMP	txt txt txt in psi no. txt txt txt txt txt txt txt txt txt tx	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH AC874 TRIPLEX PUMP 15000 YES
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP Make Model Type Pressure rating Chart recorder E.15.2 BOP TEST STUMP Quantity	txt txt in psi no. txt txt txt tin psi txt txt txt in psi txt txt txt txt txt txt txt txt txt tx	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH AC874 TRIPLEX PUMP 15000 YES
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP Make Model Type Pressure rating Chart recorder E.15.2 BOP TEST STUMP Quantity Quantity Test pressure	txt txt in psi no. txt txt txt tin psi txt txt in psi txt txt txt txt txt txt txt txt txt t	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH AC874 TRIPLEX PUMP 15000 YES 2 10k / 15k
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP Make Model Type Pressure rating Chart recorder E.15.2 BOP TEST STUMP Quantity	txt txt in psi no. txt txt txt tin psi txt txt txt in psi txt txt txt txt txt txt txt txt txt tx	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH AC874 TRIPLEX PUMP 15000 YES 2 10k / 15k VETCO H4
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP Make Model Type Pressure rating Chart recorder E.15.2 BOP TEST STUMP Quantity Chart pressure E.15 BOP TEST STUMP Quantity Chart recorder E.15.2 BOP TEST STUMP Quantity Test pressure Type Size Connected to deck	txt txt in psi no. txt txt txt in psi txt txt txt in psi txt txt txt txt txt txt txt txt txt t	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH AC874 TRIPLEX PUMP 15000 YES 2 10k / 15k VETCO H4 16.75" / 18 3/4" BOLTED
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP Make Model Type Pressure rating Chart recorder E.15.2 BOP TEST STUMP Quantity Quantity Test pressure Type Type Type Size Connected to deck E.16 WELLHEAD RUNNING/ RETRIEVING/ TESTING TOOLS	txt txt in psi no. txt txt txt in psi txt txt txt in psi txt txt txt txt txt txt txt txt txt t	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH AC874 TRIPLEX PUMP 15000 YES 2 10k / 15k VETCO H4 16.75" / 18 3/4" BOLTED N/A
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP Make Model Type Pressure rating Chart recorder E.15.2 BOP TEST STUMP Quantity Test pressure Type Size Connected to deck E.16 WELLHEAD RUNNING/ RETRIEVING/ TESTING TOOLS Wellhead make	txt txt in psi no. txt txt txt in psi txt txt txt in psi txt txt txt txt txt txt txt txt txt t	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH AC874 TRIPLEX PUMP 15000 YES 2 10k / 15k VETCO H4 16.75" / 18 3/4" BOLTED N/A N/A
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure ID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP Make Model Type Pressure rating Chart recorder E.15.2 BOP TEST STUMP Quantity Test pressure E.15 pressure Type Size Connected to deck E.16 WELLHEAD RUNNING/ RETRIEVING/ TESTING TOOLS Wellhead make Wellhead make	txt txt in psi no. txt txt txt in psi txt txt txt in psi txt txt txt txt txt txt txt txt txt t	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH AC874 TRIPLEX PUMP 15000 YES 2 10k / 15k VETCO H4 16.75" / 18 3/4" BOLTED N/A N/A N/A
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP Make Model Type Pressure rating Chart recorder E.15.2 BOP TEST STUMP Quantity Test pressure Type Size Connected to deck E.16 WELLHEAD RUNNING/ RETRIEVING/ TESTING TOOLS Wellhead make	txt txt in psi no. txt txt txt in psi txt txt txt in psi txt txt txt txt txt txt txt txt txt t	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH AC874 TRIPLEX PUMP 15000 YES 2 10k / 15k VETCO H4 16.75" / 18 3/4" BOLTED N/A N/A
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure UID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP Make Model Type Pressure rating Chart recorder E.15.2 BOP TEST STUMP Quantity Test pressure E.15 BOP TEST STUMP Quantity Test pressure E.16 WELLHEAD RUNNING/ RETRIEVING/ TESTING TOOLS Wellhead make Wellhead size Pressure rating E.16.1 RT's FOR CASING INSTALLATION	txt txt in psi no. txt txt txt in psi txt txt txt txt txt psi yes/no no. psi txt txt in welded/bolted txt txt txt	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH AC874 TRIPLEX PUMP 15000 YES 2 10k / 15k VETCO H4 16.75" / 18 3/4" BOLTED N/A N/A N/A N/A N/A N/A N/A
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure ID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP Make Model Type Pressure rating Chart recorder E.15.2 BOP TEST STUMP Quantity Test pressure Type Size Connected to deck E.16 WELLHEAD RUNNING/ RETRIEVING/ TESTING TOOLS Wellhead make Wellhead type Wellhead type Wellhead size Pressure rating E.16.1 RT's FOR CASING INSTALLATION Mechanical RT's casing housing sizes	txt txt in psi no. txt txt txt tin psi txt txt txt txt txt txt txt txt txt t	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH AC874 TRIPLEX PUMP 15000 YES 2 10k / 15k VETCO H4 16.75" / 18 3/4" BOLTED N/A N/A N/A N/A N/A N/A N/A N/A N/A
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP Make Model Type Pressure rating Chart recorder E.15.2 BOP TEST STUMP Quantity Test pressure Type Size Connected to deck E.16 WELLHEAD RUNNING/ RETRIEVING/ TESTING TOOLS Wellhead make Wellhead dype Wellhead size Pressure rating E.16.1 RT's FOR CASING INSTALLATION Mechanical RT - casing housing sizes Hydraulic RT - casing housing sizes Hydraulic RT - casing housing sizes	txt txt in psi no. txt txt txt in psi txt txt txt txt txt txt txt txt txt t	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH AC874 TRIPLEX PUMP 15000 YES 2 10k / 15k VETCO H4 16.75" / 18 3/4" BOLTED N/A
E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP Make Model Type Pressure rating Chart recorder E.15.2 BOP TEST STUMP Quantity Test pressure Type Size Connected to deck E.16 WELLHEAD RUNNING/ RETRIEVING/ TESTING TOOLS Wellhead type Wellhead size Pressure rating E.16. IRT's FOR CASING INSTALLATION Mechanical RT - casing housing sizes Pack off RT - casing housing sizes	txt txt in psi no. txt txt txt in psi txt txt txt txt txt txt txt txt txt t	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH AC874 TRIPLEX PUMP 15000 YES 2 10k / 15k VETCO H4 16.75" / 18 3/4" BOLTED N/A
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E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure E.15 ROP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP Make Model Type Pressure rating Chart recorder E.15.2 BOP TEST STUMP Quantity Quantity Cannot be to deck E.15.2 BOP TEST STUMP Quantity Est pressure Type Wellhead make Wellhead type Wellhead dype Wellhead size Pressure rating E.16.1 RT's FOR CASING INSTALLATION Mechanical RT - casing housing sizes Hanger RT - casing housing sizes Hanger RT - casing hanger sizes	txt txt in psi no. txt txt txt in psi txt txt txt txt txt txt txt txt txt t	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH AC874 TRIPLEX PUMP 15000 YES 2 10k / 15k VETCO H4 16.75" / 18 3/4" BOLTED N/A
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E.14.2 FLEXIBLE CHOKE & KILL LINES Quantity Make Type ID Working pressure Quantity Make Type ID Working pressure E.15 BOP TESTING EQUIPMENT E.15.1 HYDRAULIC BOP TEST PUMP Make Model Type Pressure rating Chart recorder E.15.2 BOP TEST STUMP Quantity Test pressure Type Size Connected to deck E.16 Wellhead size Pressure rating E.16.1 RT's FOR CASING INSTALLATION Mechanical RT - casing housing sizes Hanger RT - casing housing sizes Hanger RT - casing housing sizes E.16.2 RRT's FOR CASING INSTALLATION Seal Assembly RT - casing sizes E.16.2 RRT's FOR CASING INSTALLATION Seal Assembly RT - casing sizes E.16.2 RRT's FOR CASING INSTALLATION Seal Assembly RT - casing sizes E.16.2 RRT's FOR CASING INSTALLATION Seal Assembly RT - casing sizes E.16.2 RRT's FOR CASING INSTALLATION Seal Assembly RT - casing sizes E.16.2 RRT's FOR CASING INSTALLATION Seal Assembly RRT - casing sizes E.16.2 RRT's FOR CASING INSTALLATION Seal Assembly RRT - casing sizes E.16.2 RRT's FOR CASING INSTALLATION Seal Assembly RRT - casing sizes E.16.2 RRT's FOR CASING INSTALLATION Seal Assembly RRT - casing sizes E.16.2 RRT's FOR CASING INSTALLATION Seal Assembly RRT - casing sizes E.16.2 RRT's FOR CASING INSTALLATION Seal Assembly RRT - casing sizes E.16.2 RRT's FOR CASING INSTALLATION Seal Assembly RRT - casing sizes Seat Protector RTI - casing sizes Seat Protector RTI - casing sizes	txt txt in psi no. txt txt txt in psi txt txt txt txt txt psi yes/no no. psi txt txt in welded/bolted txt txt tin psi in	COPPER STATE CO-FLEXIP STYLE 3 15000 HYDRIL / BUTTERWORTH AC874 TRIPLEX PUMP 15000 YES 2 10k / 15k VETCO H4 16.75" / 18 3/4" BOLTED N/A
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E. WELL CONTROL/SUBSEA EQUIPMENT		
Conductor casing jetting head	yes/no	No
Clean out tool	yes/no	No
Lock ring wellhead release tool	yes/no	No
Seal assembly torque tool	yes/no	No
Utility guide frame	yes/no	No
Guide frame adaptor sizes	txt	No
E.16.4 Booster lines (if Fitted)		
OD drill pipe	in	N/A
Quantity	no.	N/A
Connection type	txt	N/A
Grade	txt	N/A
Hang off method	sq. shoulder/doughnut	N/A
E.16.5 MINI HOSE BUNDLE FOR USE WITH HYDRAULIC RUNNING TOOLS		
Control line ID	in	HYDRAULIC B.O.P. HOT LINE 0.5
Quantity of lines	no.	1
Control line ID	in	
Quantity of lines	no.	
E.16.6 EMERGENCY BOP RECOVERY SYSTEM		
Emergency BOP recovery system	yes/no	YES / DUAL
Make	txt	HYDRIL
Гуре	txt	220 TON DRILL PIPE RECOVERY AND OPERATION SYSTEM
E.17 BOP ELECTRONIC CONTROLS		
Make (DP)	txt	HYDRIL MUX
Model (DP)	txt	3132961-01-OMCD, Rev A1
Software Version	txt	4,3
Attached Data Logger Available	yes / no	YES
External Data Port (Serial/Ethernet/etc) Available on Data Logger	yes / no	YES
Serial/Parallel Port for Alarm Printer Available	yes / no	YES





F. MUD SYSTEM/BULK SYSTEM		
F.1 HIGH PRESSURE MUD SYSTEM	I	5000
System workyng pressure System test pressure		5000 5000
Built to which design standard		API
F.1.1 MUD PUMPS		•
Quantity	no.	3
Make		NOV
Model Turn o		12-p-160
Type Liner sizes available		triplex 5,5 / 6 /6,5/ 7
Mud pump drive motors	no.	2
Motor Type		5GE752
Continuous power rating per motor		800
Fluid end		southwest
Maximum working pressure		4670
Test pressure Pump stroke counter		5000 Mechanical
Supercharging pump		Mission
Drive by motor of power	hp	125
Discharge	in	6
Suction line ID	in	8
M.P. Pulsation dampener		National k-20
Reset Relief Valve Working flowrate per pump at 90% of max spm	5.	Oteco 675 GPM
Line size		6"
Pump speed (90% of max.)		100
Pump pressure	psi	3400 / 5555
Working flowrate @ 100% volumetric output	U.S. gal/min	621
F.1.2 TRANSFER PUMPS/MIXING PUMPS		
F.1.2.1 TRANSFER PUMPS	no	1
Quantity Make	no. txt	1 Halco
Model		2500
Туре		centrifugal
Drive motor type		GE
Power output	hp	100
F.1.2.2 MIXING PUMPS	200	2
Quantity Make	no. txt	3 Halco
Model		2500
Type		centrifugal
Drive motor type		WEG
Power output	hp	100
F.1.4 STANDPIPE MANIFOLD		
Quantity of standpipes	no.	2
Standpipes ID H-Type standpipe manifold	yes/no	4 Yes
kill line outlet	yes/no	Yes
Fill-up/bleed-off line outlet		Yes
Outlets (total)	no.	4
ID	in	2/4
Type connections Directions Directions		Welded
Dimensions OD Dimensions ID	in in	7 5/8" TP - 5 1/2
Design standard	txt	4 API-6A-16A
F.1.5 ROTARY HOSES	****	
IF.1.5 KOTAKT FIOSES		
Quantity	no.	2
Quantity Make	txt	2 Cooper State
Quantity Make Model	txt txt	
Quantity Make Model ID	txt txt in	3 1/2
Quantity Make Model ID Length	txt txt in ft	3 1/2 95
Quantity Make Model ID	txt txt in	3 1/2
Quantity Make Model ID Length Snubbing lines Quantity Make	txt txt in ft yes/no no. txt	3 1/2 95 Yes 2 wire sling
Quantity Make Model ID Length Snubbing lines Quantity Make Model	txt txt in ft yes/no no. txt txt	3 1/2 95 Yes 2
Quantity Make Model ID Length Snubbing lines Quantity Make Model ID	txt txt in ft yes/no no. txt txt in	3 1/2 95 Yes 2 wire sling
Quantity Make Model ID Length Snubbing lines Quantity Make Model ID Length	txt txt in ft yes/no no. txt txt in ft	3 1/2 95 Yes 2 wire sling
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Quantity Make Model ID Length Snubbing lines Quantity Make Model ID Length Snubbing lines F.1.6 CEMENTING HOSE	txt txt txt in ft yes/no no. txt txt in ft yes/no	3 1/2 95 Yes 2 wire sling
Quantity Make Model ID Length Snubbing lines Quantity Make Model ID Length Snubbing lines	txt txt txt in ft yes/no no. txt txt tin ft yes/no txt txt txt in ft yes/no txt	3 1/2 95 Yes 2 wire sling N/A
Quantity Make Model ID Length Snubbing lines Quantity Make Model ID Length Snubbing lines F.1.6 CEMENTING HOSE Type Length ID	txt txt txt in ft yes/no no. txt txt tin ft yes/no txt txt tin ft yes/no txt ft in	3 1/2 95 Yes 2 wire sling N/A Black Eagle 38
Quantity Make Model ID Length Snubbing lines Quantity Make Model ID Length Snubbing lines F.1.6 CEMENTING HOSE Type Length ID UWorking pressure	txt txt txt in ft yes/no no. txt txt tin ft yes/no txt txt in ft yes/no txt ft jes/no	3 1/2 95 Yes 2 wire sling N/A Black Eagle 38 2 10000
Quantity Make Model ID Length Snubbing lines Quantity Make Model ID Length Snubbing lines F.1.6 CEMENTING HOSE Type Length ID Working pressure Type	txt txt in ft yes/no no. txt txt in ft yes/no txt txt in ft yes/no txt txt txt txt in ft yes/no	3 1/2 95 Yes 2 wire sling N/A Black Eagle 38 2 10000 Black Eagle
Quantity Make Model ID Length Snubbing lines Quantity Make Model ID Length Snubbing lines F.1.6 CEMENTING HOSE Type Length ID Working pressure Type Length	txt txt in ft yes/no no. txt txt in ft yes/no txt txt in ft yes/no txt ft in ft tyes/no	3 1/2 95 Yes 2 wire sling N/A Black Eagle 38 2 10000 Black Eagle 38
Quantity Make Model ID Length Snubbing lines Quantity Make Model ID Length Snubbing lines F.1.6 CEMENTING HOSE Type Length ID Working pressure Type Length ID	txt txt in ft yes/no no. txt txt in ft yes/no txt txt in ft yes/no txt ft in psi txt ft in	3 1/2 95 Yes 2 wire sling N/A Black Eagle 38 2 10000 Black Eagle 38 2
Quantity Make Model ID Length Snubbing lines Quantity Make Model ID Length Snubbing lines F.1.6 CEMENTING HOSE Type Length ID Working pressure Type Length Snubbing pressure Type Length UD Working pressure Type Length Type Type Type Type Type Type Type Type	txt txt in ft yes/no no. txt txt in ft yes/no txt txt in ft yes/no txt ft in ft ft tyes/no	3 1/2 95 Yes 2 wire sling N/A Black Eagle 38 2 10000 Black Eagle 38
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Quantity Make Model ID Length Snubbing lines Quantity Make Model ID Length Snubbing lines Quantity Make Model ID Length Snubbing lines F.1.6 CEMENTING HOSE Type Length ID Working pressure Type Length ID	txt txt in ft yes/no no. txt txt in ft yes/no txt txt in ft yes/no txt ft in psi txt ft in psi txt txt txt in	3 1/2 95 Yes 2 wire sling N/A Black Eagle 38 2 10000 Black Eagle 38 2 10000 Flack Eagle 38 2 10000 Slack Eagle 38 2
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Quantity Make Model ID Length Snubbing lines Quantity Make Model ID Length Snubbing lines Quantity Make Model ID Length Snubbing lines F.1.6 CEMENTING HOSE Type Length ID Working pressure Type Length ID Working pressure Type Length ID Working pressure Type Length ID Socion length ID Working pressure F.1.7 CHIKSAN STEEL HOSES Integral non-screwed Make Type ID Section length Quantity Sweep swivels make Sweep swivels type Nom. size ID Fittings, non-screwed type	txt txt in ft yes/no no. txt txt tin ft yes/no txt txt in ft yes/no txt ft in psi txt ft in psi txt ft in ft in psi txt txt ft in psi txt txt txt in psi txt txt txt in psi txt txt txt in psi	3 1/2 95 Yes 2 wire sling N/A Black Eagle 38 2 10000 Black Eagle 38 2 10000 Yes FMC 10 2 Assorted (Inform each lengh) 9 66 4 FMC 10 2 Yes
Quantity Make Model ID Length Snubbing lines Quantity Make Model ID Length Snubbing lines Quantity Make Model ID Length Snubbing lines F.1.6 CEMENTING HOSE Type Length ID Working pressure Type Length ID Working pressure Type Length ID Section length ID Section length Quantity Sweep swivels type Nom. size ID Sirtings, non-screwed type Sultable for H2S service	txt txt in ft yes/no no. txt txt tin ft yes/no txt txt in ft yes/no txt ft in psi txt ft in psi txt ft in ft in psi txt txt ft in psi txt txt txt in psi txt txt txt in psi txt txt txt in psi	3 1/2 95 Yes 2 wire sling N/A Black Eagle 38 2 10000 Black Eagle 38 2 10000 Yes FMC 10 2 Assorted (Inform each lengh) 9 66 4 FMC 10 2
Quantity Make Model ID Length Snubbing lines Quantity Make Model ID Length Snubbing lines F.1.6 CEMENTING HOSE Type Length ID Working pressure Type Length	txt txt in ft yes/no no. txt txt tin ft yes/no txt txt in ft yes/no txt ft in psi txt ft in psi txt ft in ft in psi txt txt ft in psi txt txt txt in psi txt txt txt in psi txt txt txt in psi	3 1/2 95 Yes 2 wire sling N/A Black Eagle 38 2 10000 Black Eagle 38 2 10000 Yes FMC 10 2 Assorted (Inform each lengh) 9 66 4 FMC 10 2 Yes
Quantity Make Model ID Length Snubbing lines Quantity Make Model ID Length Snubbing lines Guantity Make Model ID Length Snubbing lines F.1.6 CEMENTING HOSE Type Length ID Working pressure F.1.7 CHIKSAN STEEL HOSES Integral non-screwed Make Type ID Section length Quantity Section length Quantity Section length Quantity Seveep swivels make Sweep swivels type Nom. size ID Fittings, non-screwed type Suitable for H2S service F.2 LOW PRESSURE MUD SYSTEM	txt txt in ft yes/no no. txt txt tin ft yes/no txt txt in ft yes/no txt ft in psi txt ft in psi txt ft in ft in psi txt txt ft in psi txt txt txt in psi txt txt txt in psi txt txt txt in psi	3 1/2 95 Yes 2 wire sling N/A Black Eagle 38 2 10000 Black Eagle 38 2 10000 Yes FMC 10 2 Assorted (Inform each lengh) 9 66 4 FMC 10 2 Yes





Section	F. MUD SYSTEM/BULK SYSTEM		
Section Sect	Total capacity		
Signey 19th 12 25 25 25	neight Capacity, Tank No. 1		
A	Туре		
Season S			
Security 1.00 1.0	Capacity, Tank No. 3		
September Sept	Туре		
Security			
Second S	Capacity, Tank No. 5		
March Marc	Туре		
Second S	Capacity, Tank No. 6 Type		
Second	Capacity, Tank No. 7	bbl	1800
	Type		Reserve
March Marc	Сарасцу, тапк но. в Туре		
2.2 SETURE LANGE AND 10. 1 TO	Mud agitator in each tank	yes/no	,
Second		yes/no	Yes
23 PRILAYON (TAME)	Quantity		1
Section Sect	Total capacity	bbl	413
Miles Mile		bbl	60
March Marc	Mud agitator	yes/no	no
Mail againstor Mail againstor A filter Author A filter Aut	Mud guns Capacity		
March Marc	Capacity Mud agitator		
Season S	Mud guns		
Separative Name Separative	F.2.4 TRIP TANK Capacity	hhl	50
Section Sect	Capacity Capacity/unit length		
March Marc	Level indicator	yes/no	yes
Section Sect	Eletric pump make Model		
Month Mont	Туре	txt	2500
James and strip chemisecones	Motor Output	hp	75
2.5 STRPNICTANN Dell 7.13 Spacety but flength Dell 7.13 spacety but flength Dell' 22° upubling facility with rip frait yes/no yes control or pump yes 4 coleded did Coxoade coleded			
Sear-College Sear	F.2.5 STRIPPING TANK	yes/110	yos
Second S	Capacity		
Part			
Expect Del	Transfer pump		
Demonstrate Higher No. No. No.		hhl	N/A
2.7 SMARS SMARS	Capacity Chemical mixer type	DDI	
Duently	F.2.7 SHALE SHAKERS		
Make Ixt Brandt Model Ixt CM 207/M2 ype Ixt CASCade When by no of electric motors no. 1 being infowate bbl/min 14 Scacading: - - Duantity no. - Adek txt - Model no. - Miven by no. of electric motors no. - Noe of electric motors no. - Segn flowarde bbl/min - Jack SANDER no. 1 Jack SANDER no.		no.	'
Int	Make	txt	
invent by no. of electific motors no. 1 essepting flowarde bb/rin 14 asseading: no. 1 buently: no. 1 fable bt. 1 bodel bt. 1 step no. 1 step no. 1 step flowarde no. 1 2 8 DESANDER no. 1 bundly no. 1 step no. 1 coded bt. 0.0 dake bt. 0.0 <td>Model</td> <td>txt</td> <td></td>	Model	txt	
beign flowarte bit/min 14	IV/0 C	tout	
Duantity no. Make Make kt Mache Model kt Mit Model kt Mit Model Mit Mit Winner by no. of electric motors no. 1 Besign flowarte Db/min 1 Besign flowarte no. 1 Usuantity no. 1 Make kt Remark Model kt CM-20 / CM 24-3 Use of Comment kt 12 month Model kt 12 month Use of Comment no. 3 3 Re In 12 month 4 Mission 8 x 6 10 12 month 4 Myer Size centificagl pump kt Mission 8 x 6 4 Mass flowarte ps/no ps 9 Mass flowarte ps/no ps 9 Mass flowarte kt Remark 4 Mass flowarte kt Rema	Type Driven by no. of electric motors		1
Make	Driven by no. of electric motors Design flowrate	no.	1
No.	Driven by no. of electric motors Design flowrate Cascading:	no. bbl/min	1
Description of electric motors Description of electric motor electric electric motor electric motor electric motor electric motor electric motor electric motor electro electric motor electric motor	Driven by no. of electric motors Design flowrate	no. bbl/min no.	1
Design flowarie Design flo	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model	no. bbl/min no. txt	1
2.8 DESANDER (m.) 1 Jake (m.) 1 Jake (m.) 1 Jake (m.) 1 Jake (m.) 1 Joe (m.) 3 Joe 12" Involute Jumber of cones (m.) 3 Joe 3 3 Joe 12" 12" Specific control or	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type	no. bbl/min no. txt txt no.	1
Make Ixt Branch Model Ixt LCM-2D / CM 24-3 Appe Ixt 12" Involute Iumber of cones no. 3 Ize in 12" yper/size centrifugal pump Ixt Mission 8 x 6 Diven by electric motor of hp 100 pump dedicated to desander yes/no yes Abx. Mowrate bbl/min 23,8 24.9 DESILTER " " 24.9 DESILTER " " 24.0 Intelligent of the control	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate	no. bbl/min no. txt txt no. no.	1
Model Ixt ICM-2D / CM 24-3 type Ixt 12" Involute time 100 time 100 time 4" Involute time 100 time 100 time 100 time 11 dake 12" Involute 11 dake 12" Involute 12" Involute time 12" Involute 12" Involute time 4" Involute 12" Involute	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER	no. bbl/min no. txt txt no. no. bbl/min:	1
Number of cones no. 3 Ize in 12* ype/size centifugal pump ixt Mission 8 x 6 bitven by electic motor of hp 100 ipump dedicated to desander yes/no yes dax. flowrate bbl/min 23 8 2.9 DESILTER - - Quantity no. 1 Make ixt Brandt Model ixt Hydracyclon Jumber of cones ixt Hydracyclon Jumber of cones in 4* Jump dedicated to desilier yes/no yes Jump dedicated to desilier yes N/A Jump dedicated to desilier yes N/A Jump dedicated to desilier yes N/A Jump desilier <	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate	no. bbl/min no. txt txt no. no. bbl/min: no.	1
In 12"	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model	no. bbl/min no. txt txt no. no. bbl/min: no. txt txt txt	1 14 18 18 11 18 11 18 18 18 18 18 18 18 18
type/size centrifugal pump txt Mission 8 x 6 priven by electric motor of pump dedicated to desander pump dedicated to desander pump dedicated to desinder pump dedicated to desilter pump dedicated to	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model Type Flowrate Make Model Type Type Make Model Type	no. bbl/min no. txt txt no. no. bbl/min: no. txt txt txt txt txt txt	1 14 18 18 11 18 11 18 18 18 18 18 18 18 18
yes/no yes y	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model	no. bbl/min no. txt txt no. no. bbl/min: no. txt txt no. no. bbl/min:	1 14 14 18 19 10 11 19 10 10 10 10 10 11 10 11 11 11 11 11 11
Description	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model Type Unantity Make Model Type Number of cones Size Type/size centrifugal pump	no. bbl/min no. txt txt no. no. bbl/min: no. txt txt txt no. in txt	1 14 15 16 17 18 18 19 18 19 18 19 19 19 19 19 19 19 19 19 19 19 19 19
2.9 DESILTER <t< td=""><td>Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model Type Ununtity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of</td><td>no. bbl/min no. txt txt txt no. no. bbl/min: no. txt txt txt txt txt txt txt txt txt tx</td><td>1 14 14 15 16 17 18 18 19 19 19 10 10 10 10 11 11 11 11 11 11 11 11 11</td></t<>	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model Type Ununtity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of	no. bbl/min no. txt txt txt no. no. bbl/min: no. txt txt txt txt txt txt txt txt txt tx	1 14 14 15 16 17 18 18 19 19 19 10 10 10 10 11 11 11 11 11 11 11 11 11
Make txt Brandt Model txt LCM-2D ype txt Hydracyclon lumber of cones no. 24 ize in 4" ype/size centrifugal pump txt Mission 8 x 6 priven by electric motor of hp 55 pump dedicated to desilter yes/no yes Max. flowrate bbl/min 23,8 2.10 MUD CLEANER N/A Quantity no N/A Make txt N/A Model txt N/A Model txt N/A Iumber of cones txt N/A ize in N/A ype/size centrifugal pump txt N/A	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model Type Quantity Make Model Type Ountity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate	no. bbl/min no. txt txt txt no. no. bbl/min: no. txt txt txt txt txt txt txt txt txt tx	1 14 14 15 16 17 18 18 19 19 19 10 10 10 10 11 11 11 11 11 11 11 11 11
Model txt LCM-2D type txt Hydracyclon lumber of cones no. 24 tze in 4" ype/size centrifugal pump txt Mission 8 x 6 driven by electric motor of hp 55 s pump dedicated to desilter yes/no yes dax. flowrate bbl/min 23.8 2.10 MUD CLEANER N/A N/A Quantity no N/A Make txt N/A Model txt N/A Model txt N/A Jumber of cones txt N/A ize in N/A ype/size centrifugal pump txt N/A	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model Type Proven by no. of electric motors Design flowrate F.2.9 DESANDER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.2.9 DESILITER	no. bbl/min no. txt txt txt no. no. bbl/min: no. txt txt txt txt txt txt txt txt txt tx	1 14 14 15 16 17 18 18 19 19 19 10 10 10 10 11 11 11 11 11 11 11 11 11
Jumber of cones no. 24 ize in 4" ype/size centrifugal pump txt Mission 8 x 6 priven by electric motor of hp 55 pump dedicated to desilter yes/no yes Alax. flowrate bbl/min 23,8 2.10 MUD CLEANER N/A Quantity no N/A Alake txt N/A Alocal txt N/A Alocal txt N/A Imperations txt N/A Jumber of cones no. N/A Imperations In N/A Imperations N/A N/A	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model Type Number of cones Size Type Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.2.9 DESILTER Quantity	no. bbl/min no. txt txt txt no. no. bbl/min: no. txt txt txt txt txt txt txt txt no. in txt hp yes/no bbl/min no.	1 14 15 16 17 18 18 19 19 10 10 10 10 11 11 11 11 11 11 11 11 11
ize in 4" ype/size centrifugal pump txt Mission 8 x 6 priven by electric motor of spump dedicated to desilter hp 55 spump dedicated to desilter yes/no yes Alax. flowrate bbl/min 23.8 2.10 MUD CLEANER N/A Quantity no N/A Make txt N/A Model txt N/A ype txt N/A Jumber of cones no. N/A ize in N/A ype/size centrifugal pump txt N/A	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model Type Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.2.9 DESILITER Quantity Make Model	no. bbl/min no. txt txt txt no. no. bbl/min: no. txt txt txt txt txt txt txt txt txt tx	1 14 15 16 17 18 18 19 18 19 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10
ype/size centrifugal pump txt Mission 8 x 6 ype/size centrifugal pump txt Mission 8 x 6 ype/size centrifugal pump yes/no yes Azx. flowrate bbl/min 23,8 2.10 MUD CLEANER N/A Quantity no N/A Ake txt N/A Acdel txt N/A Acdel txt N/A ype txt N/A	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model Type Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.2.9 DESILTER Quantity Make Quantity Maxe Model Type Driven by electric motor of Driven by electric m	no. bbl/min no. txt txt txt no. no. bbl/min: no. txt txt txt txt txt txt txt hp yes/no bbl/min no. txt t	1 14 15 16 17 18 18 19 18 19 19 19 10 10 10 10 11 11 11 11 11 11 11 11 11
s pump dedicated to desilter yes/no yes Max. flowrate bbl/min 23,8 .2.10 MUD CLEANER N/A Quantity no N/A Make txt N/A Model txt N/A yee txt N/A Jumber of cones no. N/A ize in N/A ype/size centrifugal pump txt N/A	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model Type Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.2.9 DESILITER Quantity Make Model	no. bbl/min no. txt txt txt no. no. bbl/min: no. txt txt txt txt txt txt txt txt txt tx	1 14 15 16 17 18 18 19 18 19 19 10 10 10 10 11 11 11 11 11 11 11 11 11
Max. flowrate bbl/min 23,8 2.10 MUD CLEANER N/A Quantity no N/A Make txt N/A Model txt N/A ype txt N/A lumber of cones no. N/A ype/size centrifugal pump txt N/A	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.28 DESANDER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.29 DESILIER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.29 DESILIER Quantity Make Model Type Number of cones Size Type/size centrifugal pump	no. bbl/min no. txt txt txt no. no. bbl/min: no. txt txt txt txt txt txt txt hp yes/no bbl/min no. txt t	1 14 15 16 17 18 18 18 19 19 10 10 10 10 10 10 11 10 11 11 11 11 11
2.10 MUD CLEANER N/A Quantity no N/A Make txt N/A Model txt N/A ype txt N/A Jumber of cones no. N/A ize in N/A ype/size centrifugal pump txt N/A	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model Type Unantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.2.9 DESILTER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Desander	no. bbl/min no. txt txt txt no. no. bbl/min: no. txt txt txt txt txt txt hp yes/no bbl/min no. txt t	1 Brandt LCM-2D / CM 24-3 12" Involute 3 12" Mission 8 x 6 100 yes 23,8 1 Brandt LCM-2D Hydracyclon 24 4" Mission 8 x 6 55
Make txt N/A Model txt N/A ype txt N/A lumber of cones no. N/A ize in N/A ype/size centrifugal pump txt N/A	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.28 DESANDER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.29 DESILIER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.29 DESILIER Quantity Make Model Type Number of cones Size Type/size centrifugal pump	no. bbl/min no. txt txt txt no. no. bbl/min: no. txt txt txt txt txt txt txt txt txt tx	1 Brandt LCM-2D / CM 24-3 12" Involute 3 12" Mission 8 x 6 100 yes 23,8 1 Brandt LCM-2D Hydracyclon 24 4" Mission 8 x 6 55 yes
Model txt N/A ype txt N/A lumber of cones no. N/A ize in N/A ype/size centrifugal pump txt N/A	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model Type Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.2.9 DESILTER Quantity Make Model Type Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.2.9 DESILTER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max flowrate F.2.9 DESILTER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desilter Max. flowrate F.2.10 MUD CLEANER	no. bbl/min no. txt txt txt no. no. no. bbl/min: no. txt txt txt txt txt txt hp yes/no bbl/min no. txt t	1 14 15 16 17 18 18 19 19 10 10 10 10 11 11 11 11 11 11 11 11 11
type txt N/A Jumber of cones no. N/A ize in N/A ype/size centrifugal pump txt N/A	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model Type Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.2.9 DESILTER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.2.9 DESILTER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desilter Max. flowrate F.2.10 MUD CLEANER Quantity	no. bbl/min no. txt txt txt no. no. no. bbl/min: no. txt txt txt txt txt txt hp yes/no bbl/min no. txt hp yes/no bbl/min no. bbl/min no. txt	1 14 14 15 16 17 18 17 18 19 19 10 10 10 10 11 10 11 11 11 11 11 11 11
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ype/size centrifugal pump txt N/A	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model Type Ouantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.2.9 DESILTER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.2.10 Mub CLEANER Quantity Max. flowrate F.2.10 MUD CLEANER Quantity Make Model Type Ouantity Make Model F.2.10 MUD CLEANER Quantity Make Model	no. bbl/min no. txt txt no. bbl/min: no. txt txt txt txt hp yes/no bbl/min no. ixt txt txt hp yes/no bbl/min no txt	1 14 14 15 16 17 18 17 18 18 19 19 10 11 18 11 18 11 18 11 18 11 18 11 18 11 18 11 18 11 18 11 18 11 18 11 18 11 18 11 18 18
Driven by electric motor of hp N/A	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model Type Model Type Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Make Model Type Number of cones Size F.2.9 DESILTER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.2.9 DESILTER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.2.9 DESILTER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Size Type/size centrifugal pump Driven by electric motor of Size Type/size centrifugal pump Driven by electric motor of Size Type/size centrifugal pump Driven by electric motor of Size Type/size centrifugal pump Driven by electric motor of Size Type/size centrifugal pump Driven by electric motor of Size Type/size centrifugal pump Driven by electric motor of Size Type/size centrifugal pump Driven by electric motor of Size Type/size centrifugal pump Driven by electric motor of Size Type/size centrifugal pump Driven by electric motor of Size Type/size centrifugal pump Driven by electric motor of Size Type/size centrifugal pump Driven by electric motor of Size Type/size centrifugal pump Driven by electric motor of Size Type/size centrifugal pump Driven by electric motor of Size Type/size centrifugal pump Driven by electric motor of Size Type/size centrifugal pump Driven by electric motor of Size Type/size centrifugal pump Driven by electric motor of Size Type/size Centrifugal pump Driven by electric motor of Size Type/size Centrifugal pump Size Type/size Centrifugal	no. bbl/min no. txt txt txt no. no. bbl/min: no. txt txt txt txt txt txt no. in txt hp yes/no bbl/min no. txt txt txt txt txt txt txt txt txt tx	1 14 14 15 16 17 18 17 18 18 18 18 18 10 11 18 11 18 11 18 11 18 11 18 11 18 11 18 11 18 11 18 11 18 11 18 11 18 11 18 11 18 18
	Driven by no. of electric motors Design flowrate Cascading: Quantity Make Model Type Driven by no. of electric motors Design flowrate F.2.8 DESANDER Quantity Make Model Type Quantity Make Model Type Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.2.9 DESILTER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desander Max. flowrate F.2.9 DESILTER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Is pump dedicated to desilter Max. flowrate F.2.10 MUR CLEANER Quantity Make Model Type Number of cones Size F.2.10 MUR CLEANER Quantity Make Model Type Number of cones Size Type/size centrifugal pump Driven by electric motor of Driven by electric mo	no. bbl/min no. txt txt no. bbl/min: no. txt txt txt txt hp yes/no bbl/min no. ixt txt txt hp yes/no bbl/min no txt	1 14 14 15 16 17 18 18 18 18 18 18 11 18 11 19 11 11 11 11 11 11 11 11 11 11 11





F. MUD SYSTEM/BULK SYSTEM Is pump dedicated to mud cleaner	yes/no	N/A
Max. flowrate		N/A
F.2.11 MUD/GAS SEPARATOR (Poor Boy)	~~~	
Make	txt	NOV
Туре	txt	Vertical Poor Boy Degasser
Gas discharge line ID	in	10
Gas discharge location, primary	txt	Crown
Can discharge be tied into burner system Mud seal height	yes/no:	No 27
Calculated gas throughput		20
F.2.12 DEGASSER		
Make	txt	Brandt
Type	txt	VG-1 Hyflo
Centrifugal pump type	txt	Mission Magnum 8 x 6
Centrifugal pump size Driven by electric motor of power	in x in hp	100
Discharge line running to	<u> </u>	Sand Trap
Vacuum pump make	txt	Ingersoll Rand
Туре	txt	Type 30 Model 255
F.2.13 MUD AGITATORS		,
Quantity Make	no. txt	6 Brandt
Model	txt	20-HP
Driven by motor of power		55
Located in tanks		1,2,3,4,5,6
Quantity		N/A
Make Model		N/A N/A
Driven by motor of power		N/A
Located in tanks	· · · · · · · · · · · · · · · · · · ·	N/A
Quantity	no.	N/A
Make		N/A
Model Driven by mater of power		N/A
Driven by motor of power Located in tanks	<u> </u>	N/A N/A
F.2.14 MUD CENTRIFUGE		IV/A
Quantity	no.	2
Make		BRANDT
Model		HAS 3400
Feed Pump Make Feed Pump Model		N/A N/A
Driven by motor of power	hp	40
Capacity	gal/min	200
F.2.15 MUD HOPPER		
Quantity	no.	4
Make		Brandt
Model	txt	Mixture funnels
Feed Pump Make	txt	
Feed Pump Make Feed Pump Model	txt txt	Halco 2500
Feed Pump Make Feed Pump Model Driven by motor of power	txt hp	Halco 2500 75
Feed Pump Model Driven by motor of power Capacity	txt	Halco 2500
Feed Pump Model Driven by motor of power Capacity F.2.16 Mud Laboratory and Facilities	txt hp bbl/min	Halco 2500 75 19
Feed Pump Model Driven by motor of power Capacity F.2.16 Mud Laboratory and Facilities Separate room	txt hp	Halco 2500 75
Feed Pump Model Driven by motor of power Capacity F.2.16 Mud Laboratory and Facilities	txt hp bbl/min	Halco 2500 75 19
Feed Pump Model Driven by motor of power Capacity F.2.16 Mud Laboratory and Facilities Separate room Equipped with	txt hp bbl/min yes/no yes/no yes/no	Halco 2500 75 19 yes
Feed Pump Model Driven by motor of power Capacity F.2.16 Mud Laboratory and Facilities Separate room Equipped with Mud balance Marsh funnel Filtration kit	txt hp bbl/min yes/no yes/no yes/no yes/no yes/no	Halco 2500 75 19 yes yes yes yes
Feed Pump Model Driven by motor of power Capacity F.2.16 Mud Laboratory and Facilities Separate room Equipped with Mud balance Marsh funnel Filtration kit Sand content kit	txt hp bbl/min yes/no yes/no yes/no yes/no yes/no yes/no	Halco 2500 75 19 yes yes yes yes yes yes
Feed Pump Model Driven by motor of power Capacity F.2.16 Mud Laboratory and Facilities Separate room Equipped with Mud balance Marsh funnel Filtration kit Sand content kit Stopwatch	txt hp bbl/min yes/no yes/no yes/no yes/no yes/no	Halco 2500 75 19 yes yes yes yes
Feed Pump Model Driven by motor of power Capacity F.2.16 Mud Laboratory and Facilities Separate room Equipped with Mud balance Marsh funnel Filtration kit Sand content kit	txt hp bbl/min yes/no yes/no yes/no yes/no yes/no yes/no	Halco 2500 75 19 yes yes yes yes yes yes
Feed Pump Model Driven by motor of power Capacity F.2.16 Mud Laboratory and Facilities Separate room Equipped with Mud balance Marsh funnel Filtration kit Sand content kit Stopwatch F.3 BULK SYSTEM F.3.1 BARITE/BENTONITE SILOS Quantity	txt hp bbl/min yes/no yes/no yes/no yes/no yes/no yes/no	Halco 2500 75 19 yes yes yes yes yes yes yes ye
Feed Pump Model Driven by motor of power Capacity F.2.16 Mud Laboratory and Facilities Separate room Equipped with Mud balance Marsh funnel Filtration kit Sand content kit Stopwatch F.3 BULK SYSTEM F.3.1 BARITE/BENTONITE SILOS Quantity Capacity of each silo	txt hp bbl/min yes/no yes/no yes/no yes/no yes/no yes/no yes/no no. m3	Halco 2500 75 19 yes yes yes yes yes yes yes 4 75
Feed Pump Model Driven by motor of power Capacity F.2.16 Mud Laboratory and Facilities Separate room Equipped with Mud balance Marsh funnel Filtration kit Sand content kit Stopwatch F.3 BULK SYSTEM F.3.1 BARITE/BENTONITE SILOS Quantity Capacity of each silo Locations	txt hp bbl/min yes/no yes/no yes/no yes/no yes/no yes/no yes/no no.	Halco 2500 75 19 yes yes yes yes yes yes yes port aft
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F. MUD SYSTEM/BULK SYSTEM			
F.3.3 Surge Tank for Barite			
Quantity	no.	2	
Capacity of each tank	It	7,35	
Type weight loadcell		8klib	
Manufacturer	txt	M/D Totco	
Pressure rating	psi	110	
Relief valve(s) installed	yes/no	no	
F.3.4 Surge Tank for Cement			
Quantity	no.	1	
Capacity of each tank	It	1,97	
Type weight loadcell		8 klib	
Manufacturer	txt	В/Ј	
Pressure rating	psi	110	
Relief valve(s) installed	yes/no	no	
F.3.5 BULK TRANSFER SYSTEM			
Independent air system for the silos and surge tanks consisting of a high-volume low-pressure	com yes/no:	yes	
Air reduced from main air supply through pressure regulators	yes/no:	yes	
Separate volume tank and drier	yes/no:	yes	





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U. 7	For OD casing (min) Quantity Make Type	no. txt txt	#3





G. CASING/CEMENTING EQUIPMENT		
Quantity	no.	1
Make	txt	Varco #2
Type For OD casing (max)	in	9-5/8
For OD casing (min)	in	7
G.1.8 Casing Tongs		1
Quantity (sets) Make	no. txt	1 BJ
Type	txt	HT100
W/jaws for OD casing (max)	in	15
W/jaws for OD casing (min)	in	4
Quantity (sets)	no.	1 BJ
Make Type	txt txt	HT50
W/jaws for OD casing (max)	in	30
W/jaws for OD casing (min)	in	13 3/8
G.1.9 Power Casing Tongs		4
Quantity Make	no. txt	I Eckel
Type	txt	13 5/8HD
W/jaws for OD casing (max)	in	13 3/8
W/jaws for OD casing (min)	in	7
Max output torque Torque indicator	ft lbs yes/no	30000 yes
Back-up arm	yes/no	no
G.1.10 Power Unit For Casing & Tubing Tongs	, , , , ,	n/a
Quantity	no.	Ring Main System
Driven by electric motor G.1.11 Casing Circulating Head (Swedge)	yes/no	
G.1.11 Casing Circulating Head (Swedge) For OD casing	in	13 3/8
Connection type		Butt
For OD casing	in	9 5/8
Connection type	txt	Butt
For OD casing Connection type	txt	7 Butt
For OD casing	in	
Connection type	txt	
G.1.12 Casing Spears (Internal)		
Quantity Make	no. txt	1 Gotco
Type	txt	Grapple
For OD casing	in	13 3/8
For casing weight	lbs/ft	72/85
Pack-off Oversity	yes/no	no 1
Quantity Make	no. txt	Gotco
Туре	txt	Grapple
For OD casing	in	20
For casing weight	lbs/ft	199
Pack-off	yes/no	no 1
Pack-off Quantity Make Type	yes/no no.	no 1
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Pack-off Quantity Make Type For OD casing For casing weight	yes/no no. txt txt in lbs/ft	no 1 Gotco
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Pack-off Quantity Make Type For OD casing For casing weight Pack-off G.1.13 Casing Cutters (Internal) Quantity Make Type For OD casing (max) For OD casing (min) Quantity Make Type For OD casing (min) G.1.14 Crossover to Handle Casing with DP Quantity For OD casing Casing connection Drill pipe connection type Rated capacity Quantity For OD casing Casing connection Drill pipe connection type Rated capacity Quantity Make	yes/no no. txt txt in lbs/ft yes/no no. txt	no 1 Gotco Grapple 7 33 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/
Pack-off Quantity Make Type For OD casing For Casing weight Pack-off G.1.13 Casing Cutters (internal) Quantity Make Type For OD casing (max) For OD casing (min) Quantity Make Type For OD casing (max) For OD casing (max) For OD casing (min) Quantity Make Type For OD casing (min) G.1.14 Crossover to Handle Casing with DP Quantity For OD casing Casing connection Drill pipe connection type Rated capacity Quantity For OD casing Casing connection Drill pipe connection type Rated capacity Quantity For OD casing Casing connection Drill pipe connection type Rated capacity Quantity For OD casing Casing connection Drill pipe connection type Rated capacity Quantity For OD casing Casing connection Drill pipe connection type Rated capacity Quantity For OD casing Casing connection Drill pipe connection type Rated capacity Quantity For OD casing Casing connection type Rated capacity G.1.15 Casing Scrapers Quantity Make For OD casing	yes/no no. txt txt in lbs/ft yes/no no. txt in txt txt txt txt in txt txt in txt txt in txt in txt txt in txt	no 1 Gotco Grapple 7 33 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/
Pack-off Quantity Make Type For OD casing For Casing weight Pack-off G.1.13 Casing Cutters (Internal) Quantity Make Type For OD casing (max) For OD casing (min) Quantity Make Type For OD casing (min) G.1.14 Crossover to Handle Casing with DP Quantity For OD casing Casing connection Dill pipe connection type Rated capacity Quantity For OD casing Casing connection Dill pipe connection type Rated capacity Quantity G.1.15 Casing Scrapers Quantity Make	yes/no no. txt txt in lbs/ft yes/no no. txt txt txt in in no. in txt in txt txt txt in txt txt <	no 1 Gotco Grapple 7 33 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/





G. CASING/CEMENTING EQUIPMENT		
Connection type	txt	4 1/2 Reg
Quantity	no.	1
Make		Bilco
For OD casing	in	7
For casing weight		29
OD body		4 3/8
Connection type		3 1/2 Reg
Quantity	no.	5 1/2 Reg
Make	txt	
For OD casing	in	
For casing weight	lbs/ft	
OD body		
	in	
Connection type	txt	
Quantity	no.	
Make	txt	
For OD casing	in	
For casing weight	lbs/ft	
OD body	in	
Connection type	txt	
G.2 CEMENTING EQUIPMENT		
G.2.1 Cement Unit		
Owner	txt	BJ
Free placement basis		No
Make		BJ RAM
Туре	txt	BJ RAM
No. of triplex pumps	no.	2
Maximum working pressure	psi	15000
Maximum Flowrate (total)	bbl/min	8
Unit powered by (electric/diesel)		diesel
Recirculating mixing system	yes/no	yes
Capacity		20
Motor power	hp	670
Liquid additive system	yes/no	yes
Premix/batch tank	U.S. gals/min	N/A
Quantity		N/A
Capacity (total)	bbl	N/A
Pressure recorder	yes/no	yes
G.2.2 Cementing Manifold		
Discharge manifold working pressure	psi	15000
Cement pump discharge lines min. ID	in	
Cement pump discharge lines working pressure	psi	
G.2.3 Cement Kelly		
Quantity	no.	N/A
Nominal size OD		N/A
Total length		N/A
Working length		N/A
Connection type		N/A
Cement head		N/A
G.2.4 Cementing Tubing	J 55, 110	
Size	in	N/A
Length (total)		N/A
X-overs to drillpipe specified in sect D.1.3		N/A
A-overs to dillipipe specified in sect D.1.3	y = 3/ 110	IV/A





H. INSTRUMENTATION/COMMUNICATION		
H.1 DRILLING INSTRUMENTATION AT DRILLER'S POSITION H.1.1 WEIGHT INDICATOR		
Make	txt	M/D TOTCO
Type Sensor type	txt txt	EB Weight Indicator Hydraulic Pressure Gauge
Calibrated for number of lines strung (6, 8, 10, 12, etc.)	no.	14
H.1.2 STANDPIPE PRESSURE GAUGES Quantity	no.	1
Make	txt	Electro Flow Controls Ltd.
Type Pressure range (min)	txt psi	Electronic Gauge 0
Pressure range (max)	psi	5000
Quantity Make	no. txt	Telectro Flow Controls Ltd.
Type	txt	Electronic Gauge
Pressure range (min) Pressure range (max)	psi psi	1000
Quantity	no.	1
Make Type	txt txt	Electro Flow Controls Ltd. Electronic Gauge
Pressure range (min)	psi	0
Pressure range (max) H.1.3 CHOKE MANIFOLD PRESSURE GAUGE	psi	15000
Quantity	no.	3
Make	txt	Electro Flow Controls Ltd.
Type Pressure range (min)	txt psi	Electronic Gauge 0 / 0 / 0
Pressure range (max)	psi	1000 / 5000 / 15000
H.1.4 ROTARY SPEED TACHOMETER		
Make	txt	Electro Flow Controls Ltd.
Type Capacity range (min)	rpm	Electronic Gauge 0
Capacity range (max)	rpm	300
H.1.5 ROTARY TORQUE INDICATOR	1	Name Di
Make Type	txt	Varco BJ Electronic Gauge
Max torque	ft lbs	55000
H.1.6 MOTION COMPENSATOR INSTRUMENTS		
Make	txt txt	Shaffer
Type Hook position indicator	yes/no	position sensor, pressure switches, proximity sensors yes
Lock/unlock indicator	yes/no	yes
H.1.7 PUMP STROKE COUNTERS	L	M/D TOTOO / Flanks Flank On the la
Make Type	txt txt	M/D TOTCO / Electro Flow Controls Proximity Sensor / Limit Switch
One pump stroke indicator and one cumulative pump stroke counter for each pump.	yes/no	YES
H.1.8 TONG TORQUE INDICATOR		
Make Type	txt	M/D TOTCO Hydraulic Pressure Gauge
Capacity range (maximum)	ft lbs	25000
H.1.9 PIT VOLUME TOTALIZER		
Make	txt	M/D TOTCO
Model Floats in active mud tanks	txt yes/no	Millitrinics XCT12 yes
Floats in reserve mud tanks	yes/no	yes
Loss/Gain indicator	yes/no	yes
Alarm (audio and visual) H.1.10 MUD FLOW INDICATOR	yes/no	yes
Make	txt	M/D TOTCO
Model	txt	Padle Type 270700-Series
		
High/low alarm (audio and visual)	yes/no	yes
H.1.11 TRIP TANK INDICATOR		yes
H.1.11 TRIP TANK INDICATOR Make Model	yes/no txt txt	
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder	yes/no txt txt yes/no	yes M/D TOTCO Reed Switch Probe yes
H.1.11 TRIP TANK INDICATOR Make	txt txt yes/no yes/no	yes M/D TOTCO Reed Switch Probe yes yes
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER	txt txt yes/no yes/no yes/no	yes M/D TOTCO Reed Switch Probe yes yes Yes N/A
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make	yes/no txt txt yes/no yes/no yes/no txt	yes M/D TOTCO Reed Switch Probe yes yes Yes N/A N/A
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type	txt txt yes/no yes/no yes/no	yes M/D TOTCO Reed Switch Probe yes yes Yes N/A
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make	yes/no txt txt yes/no yes/no yes/no txt	yes M/D TOTCO Reed Switch Probe yes yes Yes N/A N/A N/A Cameron/Electro Flow Controls Ltd.
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make Model	yes/no txt txt yes/no yes/no yes/no txt txt	yes M/D TOTCO Reed Switch Probe yes yes Yes N/A N/A N/A
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make Model H.2 DRILLING PARAMETER RECORDER	txt txt txt yes/no yes/no yes/no txt txt txt txt txt	yes M/D TOTCO Reed Switch Probe yes yes Yes N/A N/A N/A Cameron/Electro Flow Controls Ltd.
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make Model H.2 DRILLING PARAMETER RECORDER Quantity	yes/no txt txt yes/no yes/no yes/no txt txt txt txt	yes M/D TOTCO Reed Switch Probe yes yes Yes N/A N/A N/A Cameron/Electro Flow Controls Ltd.
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make Model H.2 DRILLING PARAMETER RECORDER Quantity Location - 1 Location - 2	txt txt txt yes/no yes/no yes/no txt txt txt txt txt txt txt txt txt tx	yes M/D TOTCO Reed Switch Probe yes yes Yes N/A N/A N/A N/A Cameron/Electro Flow Controls Ltd. 10000psi SP/15000psi CM 4 Dog house Tool pusher office / Rig Super Office
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make Model H.2 DRILLING PARAMETER RECORDER Quantity Location - 1 Location - 2 Make	txt txt txt yes/no yes/no yes/no txt txt txt txt txt txt txt txt txt tx	yes M/D TOTCO Reed Switch Probe yes yes Yes N/A N/A N/A N/A Cameron/Electro Flow Controls Ltd. 10000psi SP/15000psi CM 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make Model H.2 DRILLING PARAMETER RECORDER Quantity Location - 1 Location - 2 Make Type	txt txt txt yes/no yes/no yes/no txt txt txt txt txt txt txt txt txt tx	yes M/D TOTCO Reed Switch Probe yes yes Yes N/A N/A N/A N/A Cameron/Electro Flow Controls Ltd. 10000psi SP/15000psi CM 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make Model H.2 DRILLING PARAMETER RECORDER Quantity Location - 1 Location - 2 Make Type Quantity of pens Parameter recorded	txt txt txt yes/no yes/no yes/no txt txt txt txt txt txt txt txt txt tx	yes M/D TOTCO Reed Switch Probe yes yes Yes N/A N/A N/A N/A Cameron/Electro Flow Controls Ltd. 10000psi SP/15000psi CM 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A Block Height
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make Model H.2 DRILLING PARAMETER RECORDER Quantity Location - 1 Location - 2 Make Type Quantity of pens Parameter recorded Parameter recorded	txt txt txt yes/no yes/no yes/no txt txt txt txt txt txt txt txt	yes M/D TOTCO Reed Switch Probe yes yes Yes N/A N/A N/A N/A Cameron/Electro Flow Controls Ltd. 10000psi SP/15000psi CM 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A Block Height Top Drive RPM / Torque
Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make Model H.2 DRILLING PARAMETER RECORDER Quantity Location - 1 Location - 2 Make Type Quantity of pens Parameter recorded Parameter recorded Parameter recorded Parameter recorded	txt txt txt yes/no yes/no yes/no txt txt txt txt txt txt txt txt txt t	yes M/D TOTCO Reed Switch Probe yes yes Yes N/A N/A N/A N/A Cameron/Electro Flow Controls Ltd. 10000psi SP/15000psi CM 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A Block Height Top Drive RPM / Torque Return Flow
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make Model H.2 DRILLING PARAMETER RECORDER Quantity Location - 1 Location - 2 Make Type Quantity of pens Parameter recorded Parameter recorded Parameter recorded Parameter recorded	txt txt txt yes/no yes/no yes/no txt txt txt txt txt txt txt txt	yes M/D TOTCO Reed Switch Probe yes yes Yes N/A N/A N/A N/A Cameron/Electro Flow Controls Ltd. 10000psi SP/15000psi CM 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A Block Height Top Drive RPM / Torque
Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make Model H.2 DRILLING PARAMETER RECORDER Quantity Location - 1 Location - 2 Make Type Quantity of pens Parameter recorded	txt txt txt yes/no yes/no yes/no txt txt txt txt txt txt txt txt txt tx	M/D TOTCO Reed Switch Probe yes yes Yes N/A N/A N/A N/A Cameron/Electro Flow Controls Ltd. 10000psi SP/15000psi CM 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A Block Height Top Drive RPM / Torque Return Flow Mud Pit Volume Drain Tank Hook Load
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make Model H.2 DRILLING PARAMETER RECORDER Quantity Location - 1 Location - 2 Make Type Quantity of pens Parameter recorded	txt txt txt yes/no yes/no yes/no txt txt txt txt txt txt txt txt txt tx	M/D TOTCO Reed Switch Probe yes yes Yes N/A N/A N/A N/A Cameron/Electro Flow Controls Ltd. 10000psi SP/15000psi CM 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A Block Height Top Drive RPM / Torque Return Flow Mud Pit Volume Drain Tank Hook Load Trip Tank Volume
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make Model H.2 DRILLING PARAMETER RECORDER Quantity Location - 1 Location - 2 Make Type Quantity of pens Parameter recorded	txt txt txt yes/no yes/no yes/no txt txt txt txt txt txt txt txt txt tx	M/D TOTCO Reed Switch Probe yes yes Yes N/A N/A N/A N/A Cameron/Electro Flow Controls Ltd. 10000psi SP/15000psi CM 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A Block Height Top Drive RPM / Torque Return Flow Mud Pit Volume Drain Tank Hook Load
Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make Model H.2 DRILLING PARAMETER RECORDER Quantity Location - 1 Location - 2 Make Type Quantity of pens Parameter recorded	txt txt txt yes/no yes/no yes/no txt txt txt txt txt txt txt txt txt tx	yes M/D TOTCO Reed Switch Probe yes yes Yes N/A N/A N/A N/A Cameron/Electro Flow Controls Ltd. 10000psi SP/15000psi CM 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A Block Height Top Drive RPM / Torque Return Flow Mud Pit Volume Drain Tank Hook Load Trip Tank Volume Sand trap 4
Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make Model H.2 DRILLING PARAMETER RECORDER Quantity Location - 1 Location - 2 Make Type Quantity of pens Parameter recorded	txt txt txt yes/no yes/no yes/no txt txt txt txt txt txt txt txt txt tx	yes M/D TOTCO Reed Switch Probe yes yes Yes N/A N/A N/A N/A Cameron/Electro Flow Controls Ltd. 10000psi SP/15000psi CM 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A Block Height Top Drive RPM / Torque Return Flow Mud Pit Volume Drain Tank Hook Load Trip Tank Volume Sand trap 4 Dog house
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make Model H.2 DRILLING PARAMETER RECORDER Quantity Location - 1 Location - 2 Make Type Quantity of pens Parameter recorded	txt txt txt yes/no yes/no yes/no txt txt txt txt txt txt txt txt txt tx	yes M/D TOTCO Reed Switch Probe yes yes yes Yes N/A N/A N/A N/A N/A Cameron/Electro Flow Controls Ltd. 10000psi SP/15000psi CM 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A Block Height Top Drive RPM / Torque Return Flow Mud Pit Volume Drain Tank Hook Load Trip Tank Volume Sand trap 4 Dog house Tool pusher office / Rig Super Office
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER	txt txt txt yes/no yes/no yes/no txt txt txt txt txt txt txt txt txt tx	yes M/D TOTCO Reed Switch Probe yes yes yes Yes N/A N/A N/A N/A N/A Cameron/Electro Flow Controls Ltd. 10000psi SP/15000psi CM 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A Block Height Top Drive RPM / Torque Return Flow Mud Pit Volume Drain Tank Hook Load Trip Tank Volume Sand trap 4 Dog house
Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make Model H.2 DRILLING PARAMETER RECORDER Quantity Location - 1 Location - 2 Make Darameter recorded Parameter recorded	txt txt txt yes/no yes/no txt txt <td>yes M/D TOTCO Reed Switch Probe yes yes yes Yes N/A N/A N/A N/A N/A Cameron/Electro Flow Controls Ltd. 10000psi SP/15000psi CM 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A Block Height Top Drive RPM / Torque Return Flow Mud Pit Volume Drain Tank Hook Load Trip Tank Volume Sand trap 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A Block Height Top Drive RPM / Torque Return Flow Mud Pit Volume Drain Tank Hook Load Trip Tank Volume Sand trap 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A</td>	yes M/D TOTCO Reed Switch Probe yes yes yes Yes N/A N/A N/A N/A N/A Cameron/Electro Flow Controls Ltd. 10000psi SP/15000psi CM 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A Block Height Top Drive RPM / Torque Return Flow Mud Pit Volume Drain Tank Hook Load Trip Tank Volume Sand trap 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A Block Height Top Drive RPM / Torque Return Flow Mud Pit Volume Drain Tank Hook Load Trip Tank Volume Sand trap 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A
H.1.11 TRIP TANK INDICATOR Make Model Chart recorder Alarm H.1.12 GENERAL ALARM SYS. H.1.13 AUTOMATIC DRILLER Make Type H.1.14 REMOTE CHOKE CONTROL UNIT (See E.14.1) Make Model H.2 DRILLING PARAMETER RECORDER Quantity Location - 1 Location - 2 Make Quantity of pens Parameter recorded	txt txt txt yes/no yes/no txt	yes M/D TOTCO Reed Switch Probe yes yes yes Yes N/A N/A N/A N/A N/A Cameron/Electro Flow Controls Ltd. 10000psi SP/15000psi CM 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A Block Height Top Drive RPM / Torque Return Flow Mud Pit Volume Drain Tank Hook Load Trip Tank Volume Sand trap 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21 N/A Block Height Top Drive RPM / Torque Return Flow Mud Pit Volume Drain Tank Hook Load Trip Tank Volume Sand trap 4 Dog house Tool pusher office / Rig Super Office M/D TOTCO Rig sense Version 3.21





H. INSTRUMENTATION/COMMUNICATION		
Parameter recorded	txt	C&K Pressure
Parameter recorded	txt	Standpipe Pressure
Parameter recorded Parameter recorded	txt	Drain Tank Strip Tank
Parameter recorded	txt	Casing Pressure
Parameter recorded	txt	Brine Tank
H.3 INSTRUMENTATION AT CHOKE MANIFOLD		
H.3.1 STANDPIPE PRESSURE GAUGE Make	txt	Electro Flow Controls Ltd.
Type	txt	Analogue Gauge
Pressure range (maximum)	psi	6000
H.3.2 CHOKE MANIFOLD PRESSURE GAUGE		
Make Type	txt txt	Electro Flow Controls Ltd. Analogue Gauge
Pressure range (maximum)	psi	15000
H.3.1 and H.3.2 combined on one panel	yes/no	yes
Visible from choke operating position	yes/no	yes
H.4 STANDPIPE PRESSURE GAUGE	11	M/D TOTOO
Make Type	txt	M/D TOTCO Analogue Gauge
Pressure range	psi	5000
Visible from driller's position	yes/no	yes
H.5 DEVIATION EQUIPMENT		
H.5.1 MEASURING DEVICE Quantity	no.	1
Make	txt	Totco
Туре	txt	Go-Devils
Deviation range	degree	8°
Quantity	no.	1 Total
Make Type	txt txt	Totco Go-Devils
Deviation range	degree	16°
H.5.2 WIRELINE WINCH		
Make	txt	Mathe
Type Wire length (nominal)	txt	Survayor model 2000
Wire length (nominal) Depth counter	ft yes/no	55000 yes
Wire size		0.92
Pull indicator	Ibs	N/A
H.6 CALIBRATED PRESS. GAUGES	1	Flooring Flooring 1 1 1 1 1 1
Make instrument gauges Type instrument gauges	txt	Electro Flow Controls Ltd. Analogue
Size	in	Anaiogue 6
Connection	txt	NPT
Range	psi	0-15000
Quantity Facilities to install gauges on	no.	6
Facilities to install gauges on Standpipe manifold	yes/no	Yes Yes
Choke manifold	yes/no	Yes
Cement unit	yes/no	Yes
	J 0 5/ 1 1 0	100
H.7 RIG COMMUNICATION SYSTEM	<i>y</i> = 0.7110	.00
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM		
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations	no.	100
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make		
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof	no. txt	100 Gai-tronics 351-001 yes
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations	no. txt txt yes/no no.	100 Gai-tronics 351-001 yes 46
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make	no. txt txt yes/no no. txt	100 Gai-tronics 351-001 yes 46 several
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type	no. txt txt yes/no no. txt txt txt	100 Gai-tronics 351-001 yes 46 several
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM	no. txt txt yes/no no. txt	100 Gai-tronics 351-001 yes 46 several
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above	no. txt txt yes/no no. txt txt yes/no yes/no	100 Gai-tronics 351-001 yes 46 several several no
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above	no. txt txt yes/no no. txt txt yes/no yes/no txt txt txt	100 Gai-tronics 351-001 yes 46 several several no yes Crown
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type	no. txt txt yes/no no. txt txt yes/no txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several roo yes Crown COM-Tech 410
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type	no. txt txt yes/no no. txt txt yes/no yes/no txt txt txt	100 Gai-tronics 351-001 yes 46 several several no yes Crown
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations	no. txt txt yes/no no. txt txt yes/no ves/no yes/no txt txt txt yes/no txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several no yes Crown COM-Tech 410 yes
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location	no. txt txt yes/no no. txt txt yes/no no. txt txt txt txt yes/no yes/no txt txt txt yes/no txt txt txt txt yes/no	100 Gai-tronics 351-001 yes 46 several several no yes Crown COM-Tech 410 yes
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location	no. txt txt yes/no no. txt txt yes/no txt txt txt yes/no yes/no txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location	no. txt txt yes/no no. txt txt yes/no txt txt txt yes/no yes/no txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location	no. txt txt yes/no no. txt txt yes/no txt txt txt yes/no yes/no txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board
H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location Location Make Type Explosion proof	no. txt txt yes/no no. txt txt yes/no txt txt txt yes/no yes/no txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV VODEC
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location Location Location Make Type Explosion proof H.7.4 HAND-HELD VHF RADIOS	no. txt txt yes/no no. txt txt yes/no no. txt txt yes/no yes/no txt txt txt txt txt txt yes/no no. txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV VODEC DX3MC16 yes
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location Location Location Make Type Explosion proof H.7.4 HAND-HELD VHF RADIOS Quantity	no. txt txt yes/no no. txt txt yes/no no. txt txt yes/no yes/no txt txt txt txt txt yes/no no. txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV VODEC DX3MC16 yes
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location Location Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location Location Make Type Explosion proof H.7.4 HAND-HELD VHF RADIOS Cuantity Make	no. txt txt yes/no no. txt txt yes/no no. txt txt yes/no yes/no txt txt txt txt txt yes/no no. txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV VODEC DX3MC16 yes 2 Motorola
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location Location Location Make Type Explosion proof H.7.4 HAND-HELD VHF RADIOS Quantity	no. txt txt yes/no no. txt txt yes/no no. txt txt yes/no yes/no txt txt txt txt txt yes/no no. txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV VODEC DX3MC16 yes
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location Location Make Type Explosion proof H.7.4 HAND-HELD VHF RADIOS Quantity Make Type	no. txt txt yes/no no. txt txt yes/no no. txt txt yes/no yes/no txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV VODEC DX3MC16 yes 2 Motorola
H.7 RIG COMMUNICATION SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location Location Location Make Type Explosion proof H.7.4 HAND-HELD VHF RADIOS Quantity Make Type H.7.5 DRILL FLOOR - DERRICKMAN'S TALKBACK Make Type Explosion proof H.7.4 HAND-HELD VHF RADIOS Quantity Make Type H.8 ENVIRONMENTAL INSTRUMENTATION H.8.1 TEMPERATURE INDICATORS Air temperature	no. txt txt yes/no no. txt txt yes/no no. txt txt yes/no yes/no txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV VODEC DX3MC16 yes 2 Motorola Pro 5150
H.7. TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location Location Make Type Explosion proof H.7.4 HAND-HELD VHF RADIOS Quantity Make Type H.8.8 TEMPERATURE INDICATORS Mar HEMPERATURE INDICATORS Make Make Make Make Make Make Make Make	no. txt txt yes/no no. txt txt yes/no no. txt txt yes/no yes/no txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV VODEC DX3MC16 yes 2 Motorola Pro 5150 yes Kongsberg
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location Location Location Make Type Explosion proof H.7.4 HAND-HELD VHF RADIOS Quantity Make Type H.8 ENVIRONMENTAL INSTRUMENTATION H.8.1 TEMPERATURE INDICATORS Air temperature Make Model	no. txt txt yes/no no. txt txt yes/no yes/no txt txt txt txt yes/no no. txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV VODEC DX3MC16 yes 2 Motorola Pro 5150 yes Kongsberg Vaisala Weather Transmitter WXT536
H.7 RIG COMMUNICATION SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location Location Location Make Type Explosion proof H.7.4 HAND-HELD VHF RADIOS Quantity Make Type H.7.5 DRILL FLOOR - DERRICKMAN'S TALKBACK Make Type Explosion proof H.7.4 HAND-HELD VHF RADIOS Quantity Make Type H.8 ENVIRONMENTAL INSTRUMENTATION H.8.1 TEMPERATURE INDICATORS Air temperature	no. txt txt yes/no no. txt txt yes/no no. txt txt yes/no yes/no txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV VODEC DX3MC16 yes 2 Motorola Pro 5150 yes Kongsberg
H.7. RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location Location Location Location H.7.4 HAND-HELD VHF RADIOS Cuantity Make Type H.8 ENVIRONMENTAL INSTRUMENTATION H.8.1 TEMPERATURE INDICATORS Air temperature Make Model	no. txt txt yes/no no. txt txt yes/no no. txt txt txt yes/no yes/no txt txt txt txt yes/no no. txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV VODEC DX3MC16 yes 2 Motorola Pro 5150 yes Kongsberg Vaisala Weather Transmitter WXT536 yes N/A N/A
H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof Make Type Explosion proof Make Type Explosion proof Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location Location Location Make Type Explosion proof H.7.4 HAND-HELD VHF RADIOS Quantity Make Type H.8 ENVIRONMENTAL INSTRUMENTATION H.8.1 TEMPERATURE INDICATORS AIr temperature Make Model Sea water temperature Make Model Recorder	no. txt txt yes/no no. txt txt yes/no no. txt txt txt yes/no yes/no txt txt txt txt yes/no no. txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV VODEC DX3MC16 yes 2 Motorola Pro 5150 yes Kongsberg Vaisala Weather Transmitter WXT536 yes N/A
H.7.1 FILEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof Make Type H.8.4 NAND-HELD VHF RADIOS Quantity Make Type H.8.5 ENVIRONMENTAL INSTRUMENTATION M.8.1 TEMPERATURE INDICATORS Air temperature Make Model Sea water temperature Make Model Recorder H.8.2 BAROMETRIC PRESSURE	no. txt txt yes/no no. txt txt yes/no no. txt txt yes/no yes/no txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV VODEC DX3MC16 yes 2 Motorola Pro 5150 yes Kongsberg Vaisala Weather Transmitter WXT536 yes N/A N/A N/A
H.7.1 FILEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location Location Location Location Make Type Explosion proof H.7.4 HAND-HELD VHF RADIOS Quantity Make Type Make Type Make Type Make Type Make Type Make Type Make Model Sea water temperature Make Model Recorder Make Model Recorder Make Model Recorder Make Make Make Model Recorder Make Make Model Recorder Make Make Make Make Make Make Make Model Make Make Make Model Make Make Model Make Make Model Make Make Model Make Make Make Make Make Make Make Make	no. txt txt yes/no no. txt txt yes/no no. txt txt yes/no yes/no txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV VODEC DX3MC16 yes 2 Motorola Pro 5150 yes Kongsberg Vaisala Weather Transmitter WXT536 yes N/A N/A N/A N/A N/A Kongsberg
H.7 RIG COMMUNICATION SYSTEM H.7.1 TELEPHONE SYSTEM No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location Location Location Location Location Make Type Explosion proof H.7.4 HAND-HELD VHF RADIOS Quantity Make Type H.8.1 TEMPERATURE INDICATORS Air temperature Make Model Sea water temperature Make Model Recorder H.8.2 BAROMEIRIC PRESSURE Make Model	no. txt txt yes/no no. txt txt yes/no no. txt txt yes/no yes/no txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV VODEC DX3MC16 yes 2 Motorola Pro 5150 yes Kongsberg Vaisala Weather Transmitter WXT536 yes N/A N/A N/A
H.7.1 FILEPHONE SYSTEM N.O. of stations Make Type Explosion proof No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location Location Make Type Explosion proof H.7.4 HAND-HELD VHF RADIOS Quantity Make Type H.8 ENVIRONMENTAL INSTRUMENTATION H.8.1 TEMPERATURE INDICATORS Air temperature Make Model Recorder H.8.2 BAROMETRIC PRESSURE Make Model Recorder H.8.3 HUMIDITY SENSING INDICATOR Make Model Recorder H.8.3 HUMIDITY SENSING INDICATOR Make Model Recorder H.8.3 HUMIDITY SENSING INDICATOR	no. txt txt yes/no no. txt txt yes/no yes/no txt txt yes/no no. txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV VODEC DX3MC16 yes 2 Motorola Pro 5150 yes Kongsberg Vaisala Weather Transmitter WXT536 yes N/A N/A N/A Kongsberg Vaisala Weather Transmitter WXT536 yes Vaisala Weather Transmitter WXT536 yes
H.7.1 FILEPHONE SYSTEM N.O. of stations Make Type Explosion proof N.O. of stations Make Type Explosion proof N.O. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 PRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) N.O. of stations Location Location Location Location Make Type Explosion proof H.7.4 HAND-HELD VHF RADIOS Quantity Make Type H.8 ENVIRONMENTAL INSTRUMENTATION H.8.1 TEMPERATURE INDICATORS Air temperature Make Model Recorder H.8.2 BAROMETRIC PRESSURE Make Model Recorder H.8.3 HUMIDITY SENSING INDICATOR Make Model Recorder H.8.3 HUMIDITY SENSING INDICATOR Make	no. txt txt yes/no no. txt txt yes/no no. txt txt yes/no yes/no no. txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV VODEC DX3MC16 yes 2 Motorola Pro 5150 yes Kongsberg Vaisala Weather Transmitter WXT536 yes Kongsberg
H.7.1 FILEPHONE SYSTEM N.O. of stations Make Type Explosion proof No. of stations Make Type Explosion proof No. of stations Make Type Explosion proof H.7.2 PUBLIC ADDRESS SYSTEM Can be combined with above Make Type Explosion proof H.7.3 DRILL FLOOR - DERRICKMAN'S TALKBACK (For Intercom System) No. of stations Location Location Location Make Type Explosion proof H.7.4 HAND-HELD VHF RADIOS Quantity Make Type H.8 ENVIRONMENTAL INSTRUMENTATION H.8.1 TEMPERATURE INDICATORS Air temperature Make Model Recorder H.8.2 BAROMETRIC PRESSURE Make Model Recorder H.8.3 HUMIDITY SENSING INDICATOR Make Model Recorder H.8.3 HUMIDITY SENSING INDICATOR Make Model Recorder H.8.3 HUMIDITY SENSING INDICATOR	no. txt txt yes/no no. txt txt yes/no yes/no txt txt yes/no no. txt txt txt txt txt txt txt txt txt tx	100 Gai-tronics 351-001 yes 46 several several several no yes Crown COM-Tech 410 yes 1 Driller's house Monkey Board ROV VODEC DX3MC16 yes 2 Motorola Pro 5150 yes Kongsberg Vaisala Weather Transmitter WXT536 yes N/A N/A N/A Kongsberg Vaisala Weather Transmitter WXT536 yes Vaisala Weather Transmitter WXT536 yes





H. INSTRUMENTATION/COMMUNICATION		
H.8.4 WIND SPEED/DIRECTION METER		
Make Model	txt	Kongsberg Vaisala Weather Transmitter WXT536
Recorder	yes/no	yes
H.8.5 WAVE PROFILE RECORDER		
Make		N/A
Model Pecorder		N/A
Recorder H.9 ADDITIONAL MODULE SPECIFIC INSTRUMENTATION	yes/no	N/A
H.9.1 ROLL, PITCH AND HEAVE INDICATOR		
Make	txt	Kongsberg
Model	txt	MRU 2 and MRU 5+
Recorder H.9.2 GYRO COMPASS	yes/no	K-POS DP Datalogger
Make	txt	Teledyne
Model	txt	TSS 931030
Located at	txt	DP room and ET Work shop
H.9.3 ECHO SOUNDER Make	txt	Kongsberg
Model	txt	SIMRAD EA 400
Located at		Bridge
Recorder	yes/no	yes
H.9.4 CURRENT INDICATOR Make	txt	N/A
Model		N/A
Located at	txt	N/A
Recorder	yes/no	N/A
H.9.5 WEATHER FACSIMILE RECORDER Make	txt	N/A
Model		N/A
Located at		N/A
Recorder	yes/no	N/A
H.9.6 RADAR		2
Quantity Make	no. txt	2 FURUNO
Model	txt	FAR 2117
Located at	txt	1 x FWD, 1 x AFT
Bandwidth		X Band
Quantity Make	no. txt	1 FURUNO
Model	txt	FAR 2137S
Located at	txt	FWD
Bandwidth		S Band
H.10 RADIO EQUIPMENT Location	txt	RADIO ROOM
H.10.1 SSB TRANSCEIVER	IAL	INADIO NOOIVI
Quantity	no.	1
Make		FURUNO
Model	txt	FS-2570
Power Frequency ranges	watts mhz	200
rioquonoy rungos		10
(Synthesized/crystal)	111112	16
(Synthesized/crystal) Facsimile capable	yes/no	no
(Synthesized/crystal) Facsimile capable Telex capable		
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's	yes/no yes/no	no
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity	yes/no yes/no no.	no no
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model	yes/no yes/no	no
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE	yes/no yes/no no. txt	no no 1 COBHAM RLB38/2876
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity	yes/no yes/no no. txt txt	no no 1 COBHAM RLB38/2876 2
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make	yes/no yes/no no. txt txt txt txt	no no 1 COBHAM RLB38/2876 2 FURUNO
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity	yes/no yes/no no. txt txt txt txt	no no 1 COBHAM RLB38/2876 2
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels	yes/no yes/no no. txt txt txt txt txt	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER	yes/no yes/no no. txt txt txt no. txt txt watts	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI - CHANNEL
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity	yes/no yes/no no. txt txt txt no. txt txt watts	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI - CHANNEL
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity Make	yes/no yes/no no. txt txt txt no. txt txt watts	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI - CHANNEL
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B'S Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity Make Model Power Power Channels H.10.5 VHF RADIO TRANSCEIVER Quantity	yes/no yes/no no. txt txt txt no. txt txt watts	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI -CHANNEL 3 STANDARD-HORIZON
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity Make Model Power Channels H.10.5 RADIO BEACON TRANSMITTER	yes/no yes/no no. txt txt no. txt txt watts no. txt txt watts	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI -CHANNEL 3 STANDARD-HORIZON QUEST
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity Make Model Power Quantity Make Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity Make Model Power Quantity Make Model Power H.10.5 RADIO BEACON TRANSMITTER Quantity	yes/no yes/no no. txt txt no. txt txt watts no. txt txt watts	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI - CHANNEL 3 STANDARD-HORIZON QUEST 25
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity Make Model Power Quantity Make Quantity Make Model H.10.5 RADIO BEACON TRANSMITTER Quantity Make	yes/no yes/no no. txt txt no. txt txt watts no. txt txt watts	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI - CHANNEL 3 STANDARD-HORIZON QUEST 25 1 Southern Avionics
[Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity Make Model Power Chantity Make Model Power Quantity Make Model Power Quantity Make Model Power H.10.5 RADIO BEACON TRANSMITTER Quantity Make Model Power	yes/no yes/no no. txt txt no. txt txt watts no. txt txt watts	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI - CHANNEL 3 STANDARD-HORIZON QUEST 25
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity Make Model Power Quantity Make Model Power Channels H.10.5 RADIO BEACON TRANSMITTER Quantity Make Model Power H.10.5 RADIO BEACON TRANSMITTER Quantity Make	yes/no yes/no no. txt txt txt no. txt txt watts no. txt txt txt watts	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI -CHANNEL 3 STANDARD-HORIZON QUEST 25 1 Southern Avionics SS-500MVS 500
[Synthesized/crystal] Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity Make Model Power Quantity Make Model Power Channels H.10.5 RADIO BEACON TRANSMITTER Quantity Make Model Power H.10.5 RADIO BEACON TRANSMITTER Quantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Quantity	yes/no yes/no no. txt txt txt no. txt txt watts no. txt txt txt watts no. txt txt watts no. txt txt watts	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI -CHANNEL 3 STANDARD-HORIZON QUEST 25 1 Southern Avionics SS-500MVS 500
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity Make Model Power H.10.5 RADIO BEACON TRANSMITTER Quantity Make Model Power H.10.5 RADIO BEACON TRANSMITTER Quantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Quantity Make	yes/no yes/no no. txt txt txt no. txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt txt txt txt txt txt txt tx	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI -CHANNEL 3 STANDARD-HORIZON QUEST 25 1 Southern Avionics SS-500MVS 500 2 ICOM
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity Make Model Power H.10.5 RADIO BEACON TRANSMITTER Quantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Quantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Quantity Make	yes/no yes/no no. txt txt no. txt txt watts no. txt txt watts no. txt txt watts no. txt txt txt watts	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI -CHANNEL 3 STANDARD-HORIZON QUEST 25 1 Southern Avionics SS-500MVS 500
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity Make Model Power H.10.5 RADIO BEACON TRANSMITTER Quantity Make Model Power H.10.5 RADIO BEACON TRANSMITTER Quantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Quantity Make	yes/no yes/no no. txt txt no. txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt watts	no no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI - CHANNEL 3 STANDARD-HORIZON QUEST 25 1 Southern Avionics SS-500MVS 500 2 ICOM IC-A110 / IC-A120 36 118.000-136.975 MHz
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity Make Model Power H.10.5 RADIO BEACON TRANSMITTER Quantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Quantity Make Model Power Frequency range (Synthesized/crystal)	yes/no yes/no no. txt txt no. txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt watts	no no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI -CHANNEL 3 STANDARD-HORIZON QUEST 25 1 Southern Avionics SS-500MVS 500 2 ICOM IC-A110 / IC-A120 36
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Cuantity Make Model H.10.3 VHF RADIO TELEPHONE Cuantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Cuantity Make Model Power Channels H.10.5 RADIO BEACON TRANSMITTER Cuantity Make Model Power H.10.6 RADIO BEACON TRANSMITTER Cuantity Make Model Power H.10.6 RADIO BEACON TRANSMITTER Cuantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Cuantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Cuantity Make Model Power Frequency range (Synthesized/crystal) H.10.7 WATCH RECEIVER	yes/no yes/no no. txt txt no. txt txt watts no. txt txt watts no. txt txt watts no. txt txt watts ino. txt txt watts ino. txt txt watts ino. txt txt watts ino. txt txt txt txt txt txt txt txt txt tx	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI -CHANNEL 3 STANDARD-HORIZON QUEST 25 1 Southern Avionics SS-500MVS 500 2 ICOM IC-A110 / IC-A120 36 118.000-136.975 MHz Unknown
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Cuantity Make Model H.10.3 VHF RADIO TELEPHONE Cuantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Cuantity Make Model Power H.10.5 RADIO BEACON TRANSMITTER Cuantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Cuantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Cuantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Cuantity Make Model Power H.10.7 WATCH RECEIVER Cuantity Make	yes/no yes/no no. txt txt no. txt txt watts no. txt txt txt watts no. txt txt watts no. txt txt watts no. txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt txt watts	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI -CHANNEL 3 STANDARD-HORIZON QUEST 25 1 Southern Avionics SS-500MVS 500 2 ICOM IC-A110 / IC-A120 36 118.000-136.975 MHz Unknown
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Cuantity Make Model H.10.3 VHF RADIO TELEPHONE Cuantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Cuantity Make Model Power Channels H.10.5 RADIO BEACON TRANSMITTER Cuantity Make Model Power H.10.6 RADIO BEACON TRANSMITTER Cuantity Make Model Power H.10.6 RADIO BEACON TRANSMITTER Cuantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Cuantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Cuantity Make Model Power Frequency range (Synthesized/crystal) H.10.7 WATCH RECEIVER	yes/no yes/no no. txt txt no. txt txt watts no. txt txt txt watts no. txt txt txt watts	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI -CHANNEL 3 STANDARD-HORIZON QUEST 25 1 Southern Avionics SS-500MVS 500 2 ICOM IC-A110 / IC-A120 36 118.000-136.975 MHz Unknown
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity Make Model Power H.10.5 RADIO BEACON TRANSMITTER Quantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Quantity Make Model Power H.10.7 WATCH RECEIVER Quantity H.10.7 WATCH RECEIVER Quantity Make Model Power Guantity Make Model Power H.10.7 WATCH RECEIVER Quantity H.10.7 WATCH RECEIVER Quantity Make Model Frequency	yes/no no. txt txt no. txt txt watts no. txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt txt txt txt txt txt txt tx	no no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI - CHANNEL 3 STANDARD-HORIZON QUEST 25 1 Southern Avionics SS-500MVS 500 2 IC-A110 / IC-A120 36 118.000-136.975 MHz Unknown NA NA
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity Make Model Power H.10.5 RADIO BEACON TRANSMITTER Quantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Quantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Quantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Quantity Make Model Power H.10.1 AUTICAL VHF TRANSCEIVER Quantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Quantity Make Model Power Frequency range (Synthesized/crystal) H.10.7 WATCH RECEIVER Quantity Make Model Frequency H.10.8 SCRAMBLER	yes/no no. txt txt no. txt txt watts no. txt txt watts no. txt txt watts no. txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt watts	no no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI -CHANNEL 3 STANDARD-HORIZON QUEST 25 1 Southern Avionics SS-500MVS 500 2 ICOM IC-A110 / IC-A120 36 118.000-136.975 MHz Unknown NA
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity Make Model Power H.10.5 RADIO BEACON TRANSMITTER Quantity Make Model Power H.10.6 REORNAUTICAL VHF TRANSCEIVER Quantity Make Model Power H.10.7 WATCH RECEIVER Quantity H.10.8 WATCH RECEIVER Quantity H.10.9 WATCH RECEIVER Quantity Make Model Power Frequency range (Synthesized/crystal) H.10.7 WATCH RECEIVER Quantity Make Model Frequency Make Model Frequency Make Model Frequency H.10.8 SCRAMBLER Quantity	yes/no no. txt txt no. txt txt watts no. txt txt watts no. txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt watts no. txt txt watts no. txt txt watts no. txt txt watts no. txt txt watts no. txt txt watts no. txt txt watts	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI - CHANNEL 3 STANDARD-HORIZON QUEST 25 1 Southern Avionics SS-500MVS 500 2 ICOM IC-A110 / IC-A120 36 118.000-136.975 MHz Unknown NA
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.IR.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity Make Model Power H.10.5 RADIO BEACON TRANSMITTER Quantity Make Model Power H.10.6 AGORNAUTICAL VHF TRANSCEIVER Quantity Make Model Power H.10.7 WATCH RECEIVER Quantity Make Model Power H.10.8 SCRAMBLER Quantity Make	yes/no no. txt txt no. txt txt watts no. txt txt watts no. txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt watts	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI - CHANNEL 3 STANDARD-HORIZON OUEST 25 1 Southern Avionics SS-500MVS 500 2 ICOM IC-A110 / IC-A120 36 118.000-136.975 MHz Unknown NA
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B's Quantity Make Model H.10.3 VHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 VHF RADIO TRANSCEIVER Quantity Make Model Power H.10.5 RADIO BEACON TRANSMITTER Quantity Make Model Power H.10.6 REORNAUTICAL VHF TRANSCEIVER Quantity Make Model Power H.10.7 WATCH RECEIVER Quantity H.10.8 WATCH RECEIVER Quantity H.10.9 WATCH RECEIVER Quantity Make Model Power Frequency range (Synthesized/crystal) H.10.7 WATCH RECEIVER Quantity Make Model Frequency Make Model Frequency Make Model Frequency H.10.8 SCRAMBLER Quantity	yes/no no. txt txt no. txt txt watts no. txt txt watts no. txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt watts no. txt txt watts no. txt txt watts no. txt txt watts no. txt txt watts no. txt txt watts no. txt txt watts	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI - CHANNEL 3 STANDARD-HORIZON QUEST 25 1 Southern Avionics SS-500MVS 500 2 ICOM IC-A110 / IC-A120 36 118.000-136.975 MHz Unknown NA
Eynthesized/crystal)	yes/no yes/no no. txt txt txt no. txt txt watts no. txt txt watts no. txt txt watts no. txt txt txt watts no. txt txt txt txt txt txt txt txt txt tx	no no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI - CHANNEL 3 STANDARD-HORIZON QUEST 25 1 Southern Avionics SS-500MVS 500 2 ICOM IC-A110 / IC-A120 36 118.000-136.975 MHz Unknown NA
(Synthesized/crystal) Facsimile capable Telex capable H.10.2 E.P.I.R.B'S Quantity Make Model H.10.3 WHF RADIO TELEPHONE Quantity Make Model Power Channels H.10.4 WHF RADIO TRANSCEIVER Quantity Make Model Power H.10.5 RADIO BEACON TRANSMITTER Quantity Make Model Power H.10.6 AEORNAUTICAL VHF TRANSCEIVER Quantity Make Model Power H.10.7 WHF RADIO TRANSCEIVER Quantity Make Model Power H.10.8 AEORNAUTICAL VHF TRANSCEIVER Quantity Make Model Power H.10.9 AEORNAUTICAL VHF TRANSCEIVER Quantity Make Model Power Frequency range (Synthesized/crystal) H.10.7 WATCH RECEIVER Quantity Make Model Frequency H.10.8 SCRAMBLER Quantity Make Model H.10.9 TELEX Quantity Make Model H.10.9 TELEX Quantity Make	yes/no yes/no no. txt txt txt no. txt txt watts no. txt txt txt watts no. txt txt txt watts no. txt txt txt txt txt txt txt txt txt tx	no no 1 COBHAM RLB38/2876 2 FURUNO FM-8800S 25 MULTI - CHANNEL 3 STANDARD-HORIZON OUEST 25 1 Southern Avionics SS-500MVS 500 2 ICOM IC-A110 / IC-A120 36 118.000-136.975 MHz Unknown NA





H. INSTRUMENTATION/COMMUNICATION			
H.10.10 SATELLITE COMM. SYS.			
Make	txt	SAILOR	
Model	txt	FBB 250	
Туре	txt	FLEET Broaband	
Facsimile link	yes/no	yes	
Telex link	yes/no	yes	
Telephone link	yes/no	yes	
Other capabilities	txt	email/internet	





I. PRODUCTION TEST EQUIPMENT I.1 BURNERS		
Make		SCHLUMBERGER
Type		EVERGREEN BURNER – BRHE-AC
Quantity Capacity	no. bbl/day	One (1) per boom. 15000 (BOPD)
Weight	KG	900
Water requirement at 100 psi 1.2 BURNER BOOMS	m3/hr	200
Make	txt	CONTROTERMI
Туре		HORIZONTAL WITH SLEW MECHANISM
Quantity	no.	2
Length Horizontal	ft yes/no	75 yes
Height above sea level (at drilling draft)	ft	54
Maximum wind speed		60
Walkway and handrails Burner platform size	yes/no ft x ft	yes 7 x 7
Burner mounting rotatable	yes/no	no
Regulatory approvals	txt	
1.3 LINES REQUIRED ON BURNER BOOMS 1.3.1 OIL LINE		
ID	in	3
Working pressure Connection type at burner end		2500 602 F
H2S		NO
Pressure gauge connection at barge end		NO
1.3.2 GAS LINE	in	4
Working pressure	psi	2500
Extended beyond burner by	ft	75
Connection type at burner end H2S		602 F
Pressure gauge connection at barge end		NO NO
1.3.3 WATER LINE		
ID Working prossure		4 300
Working pressure Connection type at burner end	Tr.	602 F
Pressure gauge connection at barge end		NO NO
I.3.4 AIR LINE	lin.	2
Working pressure		3 2500
Connection type at burner end	txt	602 M
Pressure gauge connection at barge end I.3.5 PILOT GASLINE	in	NO
ID	in	13-mm[½-in]
Working pressure	psi	2500
Connection type at burner end	txt	13mm[½-in] NPT pin (from 13-mm[½-in]
Pressure gauge connection at barge end I.4 SPRINKLER SYSTEM	in	NO .
Sufficient to give protection to rig and personnel against heat radiation damage from the	yes/no:	YES
burners	yes/110.	
1.5 FIXED LINES FOR WELL TESTING 1.5.1 DRILL FLOOR TO SEPARATOR AREA		
Туре	Screwed/welded, both	Welded
Quantity	no.	3
Size ID Working prossure	in	-
INVOINING DIESSUIE	psi	16000
Working pressure Connection type on drill Floor	psi txt	6000 2" 1502 union at the drill floor
Connection type on drill Floor Connection type at separator	txt txt	
Connection type on drill Floor Connection type at separator Number of valves/lines	txt txt no.	2" 1502 union at the drill floor
Connection type on drill Floor Connection type at separator Number of valves/lines Size of valves H2S	txt txt no. in	2" 1502 union at the drill floor
Connection type on drill Floor Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS	txt txt no. in yes/no	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO
Connection type on drill Floor Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type	txt txt no. in yes/no	2" 1502 union at the drill floor 3" 602 union at the well test area 1
Connection type on drill Floor Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID	txt txt no. in yes/no Screwed/welded, both no. in	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3
Connection type on drill Floor Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure	txt txt no. in yes/no Screwed/welded, both no. in psi	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 2 2000
Connection type on drill Floor Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator	txt txt no. in yes/no Screwed/welded, both no. in psi txt	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F
Connection type on drill Floor Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator Connection type at boom Number of valves/lines	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no.	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F 602 M 2
Connection type on drill Floor Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator Connection type at boom Number of valves/lines Size of valves	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. lin	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F 602 M 2 3
Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator Connection type at boom Number of valves/lines Size of valves H2S	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. lin	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F 602 M 2 3 NO
Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator Connection type at boom Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to either burner.	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. in yes/no	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F 602 M 2 3
Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator Connection type at boom Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to either burner. I.5.3 Mud Pumps To Both Burner Booms	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. in yes/no	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F 602 M 2 3 NO yes
Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator Connection type at boom Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to either burner. I.5.3 Mud Pumps To Both Burner Booms Type	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. in yes/no threaded/welded/both	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F 602 M 2 3 NO
Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator Connection type at boom Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to either burner. I.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. in yes/no threaded/welded/both no. in	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F 602 M 2 3 NO yes N/A N/A N/A
Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator Connection type at boom Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to either burner. I.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. in yes/no yes/no threaded/welded/both no. in psi	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F 602 M 2 3 NO yes N/A N/A N/A N/A N/A
Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator Connection type at boom Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to either burner. I.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure Connection type at separator area for switching gas to either burner. I.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure Number of valves required	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. in yes/no yes/no threaded/welded/both no. in psi no.	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F 602 M 2 3 NO yes N/A N/A N/A N/A N/A N/A
Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator Connection type at boom Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to either burner. 1.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure Valves installed near separator area for switching gas to either burner. 1.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure Number of valves required Size of valves Pump source	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. in yes/no threaded/welded/both no. iin psi tno. iin jes/no	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F 602 M 2 3 NO yes N/A N/A N/A N/A N/A N/A N/A N/A N/A N/
Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator Connection type at separator Connection type at boom Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to either burner. I.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure Consection type at boom Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to either burner. I.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure Number of valves required Size of valves Pump source Rated line capacity at 300psi	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. in yes/no threaded/welded/both no. iin psi tno. iin jes/no	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 3 2500 602 F 602 M 2 3 NO yes N/A N/A N/A N/A N/A N/A N/A N/A N/A N/
Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator Connection type at boom Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to either burner. I.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure Contection type at boom Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to either burner. I.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure Number of valves required Size of valves Pump source Rated line capacity at 300psi I.5.4 RIG AIR SYSTEM TO BOTH BURNER BOOMS	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. in yes/no yes/no threaded/welded/both no. in psi no. in	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F 602 M 2 3 NO yes N/A N/A N/A N/A N/A N/A N/A N/A N/A N/
Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator Connection type at separator Connection type at boom Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to either burner. 1.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure Connection type at separator Connection type at boom Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to either burner. 1.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure Number of valves required Size of valves Pump source Rated line capacity at 300psi 1.5.4 RIG AIR SYSTEM TO BOTH BURNER BOOMS Type Quantity	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. in yes/no yes/no threaded/welded/both no. in psi no. in	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F 602 M 2 3 NO yes N/A N/A N/A N/A N/A N/A N/A N/A N/A N/
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Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator Connection type at separator Connection type at separator Connection type at boom Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to either burner. 1.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure Number of valves required Size of valves Pump source Rated line capacity at 300psi 1.5.4 RIG AIR SYSTEM TO BOTH BURNER BOOMS Type Quantity Size OD Working pressure	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. in yes/no yes/no threaded/welded/both no. in psi no. in psi no. in	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F 602 M 2 3 NO yes N/A N/A N/A N/A N/A N/A N/A N/A N/A N/
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Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator Connection type at boom Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to either burner. I.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to either burner. I.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure Number of valves required Size of valves Pump source Rated line capacity at 300psi I.5.4 RIG AIR SYSTEM TO BOTH BURNER BOOMS Type Quantity Size OD Working pressure Non-return valves fitted Air source I.5.5 OIL STORAGE TANK TO OFFLOAD	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. in yes/no yes/no threaded/welded/both no. in psi no. in psi no. in psi no. in	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F 602 M 2 3 NO yes N/A N/A N/A N/A N/A N/A N/A N/A N/A N/
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Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator Connection type at boom Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to either burner. 1.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure Working pressure Li.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure Number of valves required Size of valves Pump source Rated line capacity at 300psi 1.5.4 RIG AIR SYSTEM TO BOTH BURNER BOOMS Type Quantity Size OD Working pressure Non-return valves fitted Air source 1.5.5 Oll STORAGE TANK TO OFFLOAD Type	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. in yes/no yes/no threaded/welded/both no. in psi no. in psi no. in screwed/welded, both no. in screwed/welded, both no. in psi screwed/welded, both no. in psi screwed/welded, both no. in psi yes/no	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F 602 M 2 3 NO yes N/A N/A N/A N/A Welded 2 3 120 NO Compressors N/A N/A N/A N/A N/A N/A N/A N/A N/A N/
Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator Size of valves H2S Valves installed near separator area for switching gas to either burner. I.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure Number of valves required Size of valves Rated line capacity at 300psi I.5.4 RIG AIR SYSTEM TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Non-return valves fitted Air source I.5.5 Oil STORAGE TANK TO OFFLOAD Type Quantity Size ID Working pressure	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. in yes/no yes/no threaded/welded/both no. in psi no. in psi no. in screwed/welded, both no. in psi screwed/welded, both no. in psi screwed/welded, both no. in psi yes/no	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F 602 M 2 3 NO yes N/A N/A N/A N/A N/A N/A N/A N/A Welded 2 3 120 NO Compressors N/A N/A N/A N/A N/A N/A N/A N/A N/A N/
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Connection type at separator Number of valves/lines Size of valves H2S 1.5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator All type Valves installed near separator area for switching gas to either burner. I.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure Number of valves required Size of valves Pump source Rated line capacity at 300ps I.5.4 RIG AIR SYSTEM TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Non-return valves fitted Air source I.5.5 OIL STORAGE TANK TO OFFLOAD Type Quantity Size ID Working pressure	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. in yes/no yes/no threaded/welded/both no. in psi no. in psi no. in screwed/welded, both no. in psi screwed/welded, both no. in psi yes/no	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F 602 M 2 3 NO yes N/A N/A N/A N/A N/A N/A Welded 2 3 120 NO Compressors N/A N/A N/A N/A N/A N/A N/A N/A N/A N/
Connection type on drill Floor Connection type at separator Number of valves/lines Size of valves H2S H2S L5.2 SEPARATOR AREA TO BOTH BURNER BOOMS Iype Quantity Size ID Working pressure Connection type at separator Connection type at separator Connection type at separator Connection type at boom Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to elither burner. I.5.3 Mud Pumps To Both Burner Booms Iype Quantity Size ID Working pressure Number of valves required Size of valves Pump source Rated line capacity at 300psi I.5.4 RIG AIR SYSTEM TO BOTH BURNER BOOMS Iype Quantity Size OD Working pressure Non-return valves fitted Air source I.5.5 OIL STORAGE TANK TO OFFLOAD Type Quantity Size ID Working pressure Connection type at separator area I.5.6 SEPARATOR TO VENTSTACK OF RIG Type Quantity	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. in yes/no yes/no threaded/welded/both no. in psi no. in psi no. in screwed/welded, both no. in psi yes/no	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 3 2500 602 F 602 M 2 3 NO yes N/A N/A N/A N/A N/A Welded 2 3 120 NO Compressors N/A N/A N/A N/A N/A N/A N/A N/A N/A N/
Connection type on drill Floor Connection type at separator Number of valves/lines Size of valves H2S H2S Use FARATOR AREA TO BOTH BURNER BOOMS Type Quantity Size ID Working pressure Connection type at separator Connection type at separator Connection type at boom Number of valves/lines Size of valves H2S Valves installed near separator area for switching gas to either burner. I.5.3 Mud Pumps To Both Burner Booms Type Quantity Size ID Working pressure Number of valves required Size of valves Rated line capacity at 300psi I.5.4 RIG AIR SYSTEM TO BOTH BURNER BOOMS Type Quantity Size OD Working pressure Non-return valves fitted Air source I.5.5 OIL STORAGE TANK TO OFFLOAD Type Quantity Size ID Working pressure Non-return valves fitted Air source I.5.5 OIL STORAGE TANK TO OFFLOAD Type Quantity Size ID Working pressure Non-return valves fitted Air source I.5.5 OIL STORAGE TANK TO OFFLOAD Type Quantity Size ID Working pressure Connection type at separator area L.5.6 SEPARATOR TO VENISTACK OF RIG	txt txt no. in yes/no Screwed/welded, both no. in psi txt txt no. in yes/no yes/no threaded/welded/both no. in psi no. in psi no. in screwed/welded, both no. in psi yes/no	2" 1502 union at the drill floor 3" 602 union at the well test area 1 NO BOTH 3 3 2500 602 F 602 M 2 3 NO yes N/A N/A N/A N/A N/A N/A N/A Welded 2 3 120 NO Compressors N/A N/A N/A N/A N/A N/A N/A N/A N/A N/





I. PRODUCTION TEST EQUIPMENT			
Connection type at separator area	txt	N/A	
I.6 AUXILIARY POWER AVAILABILITY			
I.6.1 FOR FIELD LABORATORY			
Quantity	no.	2	
Volts	V	440	
Frequency	hz	60	
I.6.2 FOR CRUDE TRANSFER PUMP			
Quantity	no.	2	
Volts	V	440	
Frequency	hz	60	
I.6.3 FOR ELECTRIC HEATERS			
Quantity	no.	2	
Volts	V	440	
Frequency	hz	60	





K. 10-10-13 Committed Southern	K. ACCOMMODATION		
KELL Company Representative Office Complete with eask filling abbreties and other necessary Entiture Complete with eask filling abbreties and other necessary Entiture Very Complete with eask filling abbreties and other necessary Entiture Very Complete with eask filling abbreties and other necessary Entiture Very Complete V			
Country Coun			
Compared with using, (flug) carabitedly and other necessary furniture Particular Septemental Particular Septem		no	7
Description Section			Ves
C.12 Contractor's Representative's Office			
Causarity Proceedings Causarity Process Causarity Caus		yes/110	110
Interested seem to defilition 1.3 FARIOR BOOM 1.5 1.		200	2
K.1 SHADIS ROOM K.1 HOSPITAL ROOM K.1 HOSPITAL ROOM K.2 HOSPITAL ROOM K.3 HOSPITAL RO			
Caustry Caus		yes/no	no
K.1.4 HOSPITAL ROOM			
Number of best/buries No. 1 Number of best/buries New Address and Search New Address Ne		no.	1
Wash basin			
Medical cabriet yes/no yes Dengerous diugs booker yes/no yes K2 LIVING OUARTERS I K2 LIVING OUARTERS I K2 LIVING PRISSON ACCOMDANTOR COMPANY'S PERSONNEL 0.0. 130 (as per certificate) - max. 160 Clustify no. 170 120 Countity of Ingle bed rooms no. 7 120 Countity of two bed frooms no. 33 33 CW attached tollet yes/no yes 33 CW attached tollet yes/no yes CW attached tollet			1
Dengerous drugs Octorer Septiment			yes
K.2 LIVINA FUSIONS ACCOMODATED Quantity K.2 A COCOMODATION FOR COMPANY'S PERSONNEL Total quantity Duantity of single bed rooms Duantity of two der company of single bed rooms Duantity of two der company Duan	Medical cabinet	yes/no	yes
K.2.1TOTAL PERSONS ACCOMODATED 130 (as per certificate) - max. 160	Dangerous drugs locker	yes/no	yes
Quantity No. 130 (as per cortificate) - mex. 160	K.2 LIVING QUARTERS		
Quantity No. 130 (as per cortificate) - mex. 160	K.2.1 TOTAL PERSONS ACCOMODATED		
K.2.2 ACCOMODATION FOR COMPANY'S PERSONNEL no. 120 Cluentity of single bed rooms no. 7 CAW attached tolieit yes/no yes Cluentity of five bed rooms no. 33 CLW attached tolieit yes/no yes K.2.3 ACCOMODATION FOR CONTRACTOR'S PERSONNEL no. 11 Including unity no. 40 Cluentity of single bed rooms no. 40 CLW attached tolieit yes/no yes CLW attached tolieit yes/no no. CLW attached tolieit yes/		no.	130 (as per certificate) - max. 160
Total quantity			
Quantity of single bed rooms no. 7		no.	120
CW attached tollet yes/no yes CW attached tollet yes/no no CW attached tollet yes/no no CW attached tollet			
Quantity of two bod rooms no. 33 33 33 33 33 33 33			
C/W attached tollet yes/no yes K.23 ACCOMDATION FOR CONTRACTOR'S PERSONNEL no. 40 Total quantity no. 40 Quantity of single bed rooms no. 2 C/W attached tollet yes/no yes Quantity of two bed rooms no. 19 C/W attached tollet yes/no yes Quantity yes/no yes Quantity no. 0 C/W attached tollet yes/no no Quantity no. 1 K.24 GALLEY 1 Quantity no. 60 K.2.5 MESS SEATING CAPACITY 1 Main mess no. 60 K.2.6 MEETING ROOMS 1 Quantity no. 2 K.2.7 EXCECEATION ROOMS 1			
Quantity of tree bed rooms no. 2			
C/W attached toilet yes/no yes C/W attached toilet yes/no yes K.2.3 ACCOMDATION FOR CONTRACTOR'S PERSONNEL 1 Load quantity no 40 Quantity of single bed rooms no 2 CW attached toilet yes/no yes Quantity of two bed rooms no 19 CW attached toilet yes/no yes Quantity of four bed rooms no 0 CW attached toilet yes/no yes Quantity no 0 CVA attached toilet yes/no no K.2.4 GALLEY no 1 CUantity no 1 K.2.5 MESS STAING CAPACITY no 6 Main mess no 60 K.2. MESTING ROOMS no 6 Cuantity no 2 K.2. RECREATION ROOMS no 2 Cuantity no 2 VCR no 1 VCR no			
Quantity of four bed rooms no. 11			
C/W attached tollet yes/no yes K.2.3 ACCOMODATION FOR CONTRACTOR'S PERSONNEL no. 40 Total quantity no. 40 Ouantity of single bed rooms no. 2 CVW attached tollet yes/no yes Quantity of flow bed rooms no. 19 CVW attached tollet yes/no yes Quantity of four bed rooms no. 0 CVW attached tollet yes/no no K.2.4 GALLEY Image: service of the service of tollet yes/no K.2.5 MESS SEATING CAPACITY Image: service of tollet Image: service of tollet K.2.5 MESS SEATING CAPACITY Image: service of tollet Image: service of tollet Main mess no. 60 Image: service of tollet K.2.6 MEST SEATING CAPACITY Image: service of tollet Image: service of tollet K.2.6 MEST SEATING CAPACITY Image: service of tollet Image: service of tollet K.2.6 MEST SEATING CAPACITY Image: service of tollet Image: service of tollet K.2.6 MEST SEATING CAPACITY no. 2		-	
K.2.3 ACCOMODATION FOR CONTRACTOR'S PERSONNEL no. 40 Countity of single bed rooms no. 2 C/W attached toiled yes/no. yes Countity of two bed rooms no. 19 C/W attached toilet yes/no. yes C/W attached toilet yes/no. 0 C/W attached toilet yes/no. no. C/W attached toilet yes/no. no. K.2.4 GALLEY . . Cuantity no. 1 K.2.5 MESS SEATING CAPACITY no. 1 Main mess no. 60 K.2. METING ROOMS . . Cuantity no. 2 K.2. RECREATION ROOMS . . Cuantity no. 2 Recreation facilities no. 2 IV no. 2 VCR no. 1 Pool Table no. 0 Pool Table no. 0 Computer no. <td></td> <td></td> <td></td>			
Total quantity		yes/no	yes
Quantity of single bed rooms no. 2 C/W attached toilet yes/no yes Countity of two bed rooms no. 19 C/W attached toilet yes/no yes Cuantity of four bed rooms no. 0 C/W attached toilet yes/no no K.2.4 GALLEY 1 1 Quantity no. 1 K.2.5 MESS SEATING CAPACITY 1 1 Main mess no. 60 A.X. mess no. 60 K.2.4 MEETING ROOMS 1 1 Cuantity no. 2 K.2.7 RECREATION ROOMS 1 2 Cuantity no. 2 K.2.7 RECREATION ROOMS 1 2 VCR no. 2 VCR no. 2 VCR no. 2 VCR no. 0 Ping Pong Table no. 0 Computer no. 2 Other </td <td>K.2.3 ACCOMODATION FOR CONTRACTOR'S PERSONNEL</td> <td></td> <td></td>	K.2.3 ACCOMODATION FOR CONTRACTOR'S PERSONNEL		
C/W attached toilet yes/no yes Quantity of two bed rooms no. 19 C/W attached toilet yes/no yes Quantity of four bed rooms no. 0 C/W attached toilet yes/no no K.2.4 GALLEY I I Quantity no. 1 K.2.5 MESS SATING CAPACITY I I Main mess no. 60 Aux. mess no. 60 K.2.6 MEEING ROOMS I I Quantity no. 2 K.2.7 RECRATION ROOMS I I Quantity no. 2 Recreation facilities I yes IV no. 2 VCR no. 1 VOR no. 1 VOR no. 1 VOR no. 2 VOR no. 2 VOR no. 0 Poli Table no. 0 </td <td>Total quantity</td> <td>no.</td> <td>40</td>	Total quantity	no.	40
Quantity of two bed rooms no. 19 C/W attached foilet yes/no yes Quantity of four bed rooms no. 0 C/W attached foilet yes/no no K.2.4 GALLEY P P Quantity no. 1 K.2.5 MESS SEATING CAPACITY No. 60 Main mess no. 60 Aux. mess no. 60 K.2.6 MEETING ROOMS no. 2 Cuantity no. 2 K.2.7 RECREATION ROOMS 1 Yes TV no. 2 Recreation facilities yes Yes TV no. 2 VCR no. 1 Pool Table no. 0 Ping Pong Table no. 0 Computer no. 2 Other txt 0 K.2.8 OTHER ROOMS 1 1 Laundry no. 2 Obj Cod store	Quantity of single bed rooms	no.	2
C/W attached toilet yes/no yes Quantity of four bed rooms no. 0 C/W attached toilet yes/no no K.2.4 GALLEY I I Quantity no. 1 K.2.5 MESS SEATING CAPACITY I I Main mess no. 60 Aux. mess no. 60 K.2.6 MEETING ROOMS I I Quantity no. 2 K.2.7 RECREATION ROOMS I I Quantity no. 2 Recreation facilities yes I IV no. 2 VCR no. 1 Pool Table no. 0 Ping Pong Table no. 0 Computer no. 2 Other lxt 0 K.2.8 OTHER ROOMS I I Laundry no. 1 Dy food store no. 5 Refrigerator no.	C/W attached toilet	yes/no	yes
C/M attached tollet yes/no yes Quantity of four bed rooms no. 0 C/W attached tollet yes/no no K.2.4 GALEY I I Quantity no. 1 K.2.5 MESS SEATING CAPACITY I I Main mess no. 60 Aux. mess no. 60 K.2.6 MEETING ROOMS I I Quantity no. 2 K.2.7 RECREATION ROOMS I I Quantity no. 2 Recreation facilities yes I TV no. 2 VCR no. 1 Pool Table no. 0 Ping Pong Table no. 0 Computer no. 2 Other bxt 0 K.2.8 OTHER ROOMS I I Laundry no. 2 Dry food store no. 1 Refrigerator no.	Quantity of two bed rooms	no.	19
Quantity of four bed rooms no. 0 C/W attached foilet yes/no no K.2.4 GALLEY I Quantity no. 1 K.2.5 MESS SEATING CAPACITY I Main mess no. 60 AUX. mess no. 60 K.2.6 MERING ROOMS I I Quantity no. 2 K.2.7 RECREATION ROOMS no. 2 Quantity no. 2 Recreation facilities yes IV IV no. 2 VCR no. 1 Pool Table no. 0 Ping Pong Table no. 0 Computer no. 2 Other txt 0 K.2.8 OTHER ROOMS I I Laundry no. 2 Dy food store no. 1 Refigerator no. 5 Change Rooms no. 0 P		yes/no	yes
C/A stached tollet yes/no no K.2.4 GALLEY no. 1 Cuantity no. 60 Main mess no. 60 Aux. mess no. 60 K.2.6 MEETING ROOMS no. 2 Cuantity no. 2 K.2.7 RECREATION ROOMS 1 1 Cuantity no. 2 Recreation facilities no. 2 TV no. 2 VCR no. 1 Pool Table no. 0 Ping Pong Table no. 0 Computer no. 2 Other lxt 0 K.2.8 OTHER ROOMS 1 1 Laundry no. 2 Dry food store no. 1 Refrigerator no. 5 Change Rooms no. 3 Prayer Room no. 0 Clinema 1 1			
K.2.4 GALLEY no. 1 Quantity no. 1 K.2.5 MESS SEATING CAPACITY No. 60 Main mess no. 60 AUX. mess no. 60 Custing ROOMS no. 2 Quantity no. 2 K.2.7 RECREATION ROOMS no. 2 Quantity no. 2 Recreation facilities yes TV no. 2 VCR no. 1 Pool Table no. 1 Pool Table no. 0 Ping Pong Table no. 2 Computer no. 2 Other 1xt 0 K.2.8 OTHER ROOMS It 0 Laundry no. 2 Dry food store no. 1 Refligerator no. 3 Change Rooms no. 3 Prayer Room no. 0 Cinema			no
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	Workout/Weight Room	no.	1





TOWANDA MONICON COME (ADM)	L CAFFTY FOUNDAMENT		
1.000000000000000000000000000000000000	L. SAFETY EQUIPMENT L.1 GENERAL SAFETY FOLIPMENT		
Designation	L.1.1 GENERAL PERSONNEL PROTECTIVE GEAR		
Part		contractor	
Section	Safety Hats		100
		3 3 1.	
Campaign	Safety boots		90
Application	Safaty clothing	contractor	100
	Safety Clothing		100
Company Comp	Ear protection		80
Inches I		-	
Address common	Rubber gloves		100
### A Proposed State	Rubber aprons		30
Antimate			
Section Sect	Fullface visors		150
Add Process	Evo shiolds (for gripding machines, etc.)	contractor	F2
March Marc	Lye shields (for girriding machines, etc.)		
Control Cont	Dust masks		100
Applied to a control of a con	Rubber gloves - elbow length for chemical handling		30
Application	Explosion proof handtorches c/w batteries		12
April Apri			
1.2 PCF WASH STATIONS	Safety belts c/w lines		25
March Marc	L.1.2 EYE WASH STATIONS	5 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
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March Marc	L.1.5 FRESH AIR BLOWERS (Bug Blowers)		
yoe ocated at 1 N/A Ocated at			
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Abbe Mx Notifier Mype Mx AM 2020 Meditest, Accommodation AC inlet, mud pump room, upper deck air infate engine room 3, difficed, odg pump room, upper deck air infate engine room 3, difficed, odg pump room, mud lab, ptolay table, tipl tank, brine tank, compressor room infate Medited Mx Mx Mx Mx Medited Mx Mx Mx Mx Mx Mx Mx Mx Mx	Make Type Located at Located at	txt txt txt	N/A N/A N/A
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ampling points at: moonpool, flow line out, shale shaker, mud pits, mud pump room, mud lab, rotarly table, trip tank, brine tank, compressor room intake ves/no	Make Type Located at Located at L.2 GAS/FIRE/SMOKE DETECTION L.2.1 H2S MONITORING SYSTEM Make	txt txt txt txt txt	N/A N/A N/A N/A N/A N/A Notifier
com, mud lab, rotary table, trip tank, brine tank, compressor room intable	Make Type Located at Located at L.2 GAS/FIRE/SMOKE DETECTION L.2.1 H2S MONITORING SYSTEM	txt txt txt txt txt	N/A N/A N/A N/A N/A N/A NOtifier AM 2020
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room, battery locker, fan house engine room 1 & 2, upper deck intake engine room 3, accommodation A/C intake, muclab, rotary table, trip tank, brine tank, compressor intake iellnipple yes/no yes/no yes/no hale Shaker yes/no yes/no Yes full danks yes/no Yes fentilation system into living quarters yes/no Yes function system into living quarters txt Moon pool, compressor room, brine tank, trip tank, mud lab, El 1&2 intake, battery rm, tx rm, mud pump and well test	Make Type Located at Located at L2 GAS/FIRE/SMOKE DETECTION L2.1 H2S MONITORING SYSTEM Make Type Sampling points at: Bellnipple Drillfloor Shale shaker Mud tanks Ventilation system into living quarters Other General alarm Alarm types (audible, visual, both) at: Driller's console Engine room Mud room Living quarters each level Central area each structural level Other Central alarm panel Located at L.2.2 COMBUSTIBLE GAS MONITORING SYSTEM	txt txt txt txt txt txt txt txt tx	N/A
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lab, rotary table, trip tank, brine tank, compressor intake yes/no Yes hale Shaker yes/no Yes Mud tanks yes/no Yes /entilation system into living quarters yes/no Yes txt Moon pool, compressor room,brine tank, trip tank, mud lab, El 1&2 intake, battery rm, tx rm, mud pump and well test	Make Type Located at Located at L.2 GAS/FIRE/SMOKE DETECTION L.2.1 H2S MONITORING SYSTEM Make Type Sampling points at: Bellnipple Drillfloor Shale shaker Mud tanks Ventilation system into living quarters Other General alarm Alarm types (audible, visual, both) at: Driller's console Engine room Mud room Living quarters each level Central area each structural level Other Central alarm panel Located at L.2.2 COMBUSTIBLE GAS MONITORING SYSTEM Make Type	txt txt txt txt txt txt txt txt tx	N/A N/A N/A N/A N/A N/A N/A N/A N/A Notifier AM 2020 Well test, Accommodation A/C inlet, mud pump room, upper deck air intake engine room 3, drill floor, dog house, moonpool, flow line out, shale shaker, mud pits, mud pump room, mud lab, rotary table, trip tank, brine tank, compressor room intake Yes Yes Yes Yes Yes Yes Yes Moon pool, brine tank,compressor rm, mud lab, mud pump, fan house, well test and trip tank Yes both Yes Yes Yes Yes Yes Yes OCC Notifier AM 2020 Well Test, moonpool STB, Drill Floor Choke Kill, Dog House, Shale Shaker, Flow Line out, mud pits, mud pump room, transformer
Orill floor Ages/no Yes Aud tanks Yes Aud tanks Yes Yes Yes Yes Yes Yes Yes Y	Make Type Located at Located at Located at L.2 GAS/FIRE/SMOKE DETECTION L.2.1 H2S MONITORING SYSTEM Make Type Sampling points at: Bellnipple Drillfloor Shale shaker Mud tanks Ventilation system into living quarters Other General alarm Alarm types (audible, visual, both) at: Driller's console Engine room Mud room Living quarters each level Central area each structural level Other Central alarm panel Located at L.2.2 COMBUSTIBLE GAS MONITORING SYSTEM Make	txt txt txt txt txt txt txt txt tx	N/A N/A N/A N/A N/A N/A N/A N/A N/A Notifier AM 2020 Well test, Accommodation A/C inlet, mud pump room, upper deck air intake engine room 3, drill floor, dog house, moonpool, flow line out, shale shaker, mud pits, mud pump room, mud lab, rotary table, trip tank, brine tank, compressor room intake Yes Yes Yes Yes Yes Yes Yes Moon pool, brine tank,compressor rm, mud lab, mud pump, fan house, well test and trip tank Yes both Yes Yes Yes Yes Yes Yes OCC Notifier AM 2020 Well Test, moonpool STB, Drill Floor Choke Kill, Dog House, Shale Shaker, Flow Line out, mud pits, mud pump room, transformer
Orill floor Ages/no Yes Aud tanks Yes Aud tanks Yes Yes Yes Yes Yes Yes Yes Y	Make Type Located at Located at L.2 GAS/FIRE/SMOKE DETECTION L.2.1 H2S MONITORING SYSTEM Make Type Sampling points at: Bellnipple Drillfloor Shale shaker Mud tanks Ventilation system into living quarters Other General alarm Alarm types (audible, visual, both) at: Driller's console Engine room Mud room Living quarters each level Central area each structural level Other Central alarm panel Located at L.2.2 COMBUSTIBLE GAS MONITORING SYSTEM Make Type	txt txt txt txt txt txt txt txt tx	N/A
hale Shaker Mud tanks Yes/no Yes Yes Yentilation system into living quarters Yes Other Yes Moon pool, compressor room,brine tank, trip tank, mud lab, El 1&2 intake, battery rm, tx rm, mud pump and well test	Make Type Located at Located at L.2 GAS/FIRE/SMOKE DETECTION L.2.1 H2S MONITORING SYSTEM Make Type Sampling points at: Bellnipple Drillfloor Shale shaker Mud tanks Ventillation system into living quarters Other General alarm Alarm types (audible, visual, both) at: Driller's console Engine room Mud room Living quarters each level Central area each structural level Other Central alarm panel Located at L.2.2 COMBUSTIBLE GAS MONITORING SYSTEM Make Type Sampling points at:	txt txt txt txt txt txt txt txt txt	N/A
Ventilation system into living quarters yes/no Yes Moon pool, compressor room,brine tank, trip tank, mud lab, El 1&2 intake, battery rm, tx rm, mud pump and well test	Make Type Located at Located at Located at L2 GAS/FIRE/SMOKE DETECTION L.2.1 H2S MONITORING SYSTEM Make Type Sampling points at: Bellnipple Drillfloor Shale shaker Mud tanks Ventilation system into living quarters Other General alarm Alarm types (audible, visual, both) at: Driller's console Engine room Mud room Living quarters each level Central area each structural level Other Central alarm panel Located at L.2.2 COMBUSTIBLE GAS MONITORING SYSTEM Make Type Sampling points at:	txt txt txt txt txt txt txt txt tx	N/A
Moon pool, compressor room,brine tank, trip tank, mud lab, El 1&2 intake, battery rm, tx rm, mud pump and well test	Make Type Located at Located at Located at L.2 GAS/FIRE/SMOKE DETECTION L.2.1 H2S MONITORING SYSTEM Make Type Sampling points at: Bellnipple Drillfloor Shale shaker Mud tanks Ventilation system into living quarters Other General alarm Alarm types (audible, visual, both) at: Driller's console Engine room Mud room Living quarters each level Central area each structural level Other Central alarm panel Located at L.2.2 COMBUSTIBLE GAS MONITORING SYSTEM Make Type Sampling points at: Bellnipple Drill floor	txt txt txt txt txt txt txt txt txt	N/A
1&2 intake, battery rm, tx rm, mud pump and well test	Make Type Located at Located at Located at L.2 GAS/FIRE/SMOKE DETECTION L.2.1 H2S MONITORING SYSTEM Make Type Sampling points at: Bellnipple Drillfloor Shale shaker Mud tanks Ventilation system into living quarters Other General alarm Alarm types (audible, visual, both) at: Driller's console Engine room Mud room Living quarters each level Central area each structural level Other Central alarm panel Located at L.2.2 COMBUSTIBLE GAS MONITORING SYSTEM Make Type Sampling points at: Bellnipple Drill floor Shale Shaker Mud tanks	txt txt txt txt txt txt txt txt txt	N/A
1&2 Intake, battery rm, tx rm, mud pump and well test	Make Type Located at Located at L.2 GAS/FIRE/SMOKE DETECTION L.2.1 H2S MONITORING SYSTEM Make Type Sampling points at: Bellnipple Drillfloor Shale shaker Mud tanks Ventilation system into living quarters Other General alarm Alarm types (audible, visual, both) at: Driller's console Engine room Mud room Living quarters each level Central area each structural level Other Central alarm panel Located at L.2.2 COMBUSTIBLE GAS MONITORING SYSTEM Make Type	txt txt txt txt txt txt txt txt txt	N/A
General alarm yes/no Yes	Make lype Located at Located at Located at L2 ASF/FIRE/SMOKE DETECTION L2.1 H2S MONITORING SYSTEM Make Type Sampling points at: Bellnipple Drillfloor Shale shaker Mud tanks Ventilation system into living quarters Other General alarm Alarm types (audible, visual, both) at: Driller's console Engine room Living quarters each level Central area each structural level Other Central alarm panel Located at L.2.2 COMBUSTIBLE GAS MONITORING SYSTEM Make Type Sampling points at: Bellnipple Drill floor Shale Shaker Mud tanks Ventilation system into living quarters	txt txt txt txt txt txt txt txt txt	N/A
	Make lype Located at Located at Located at L12 GAS/FIRE/SMOKE DETECTION L2.1 H2S MONITORING SYSTEM Make Type Sampling points at: Bellnipple Drillfloor Shale shaker Mud tanks Ventilation system into living quarters Other General alarm Alarm types (audible, visual, both) at: Driller's console Engine room Mud room Living quarters each level Central area each structural level Other Central alarm panel Located at L2.2 COMBUSTIBLE GAS MONITORING SYSTEM Make Type Sampling points at: Bellnipple Drill floor Shaker Mud tanks	txt txt txt txt txt txt txt txt txt	N/A





L. SAFETY EQUIPMENT			
Alarm types (audible, visual, both) at:		both	
Driller's console	yes/no	Yes	
Other	txt	brine pump room	
L.2.3 H2S DETECTORS (Portable)			
Quantity	no.	6	
Make	txt	Altair	
Туре	txt	4X	
Phials for H2S: measuring range		calibrate with H2S = 25PPM, CO2 = 50PPM, Methane 50%, Oxygen 18%, nitrogen balance	
from 1 to 20 ppm	no.	N/A	
from 100 to 600 ppm	no.	N/A	
L.2.4 CO2 GAS DETECTORS (Portable)			
Quantity	no.	6	
Make	txt	Altair	
Туре	txt	4X	
Phials for CO2: measuring range		calibrate with H2S = 25PPM, CO2 = 50PPM, Methane 50%, Oxygen 18%, nitrogen balance	
from 1 to 20 ppm	no.	N/A	
from 20 to 200 ppm	no.	N/A	
from 250-3000 ppm	no.	N/A	
L.2.5 EXPLOSIMETERS			
Quantity	no.	6	
Make	txt	MSA	
Type	txt	ALTAIR 4X	
L.2.6 FIRE/SMOKE DETECTORS IN ACCOMODATION	tut	Salutas	
Make	txt	Salwico	
Type Fire detection	txt yes/no	Nid 38 Yes	
Smoke detection	yes/no yes/no	Yes Yes	
Central alarm panel	yes/no	Yes	
Location	txt	OCC	
L.3 FIRE FIGHTING EQUIPMENT	****		
L.3.1 FIRE PUMPS			
Quantity	no.	2	
Make	txt	HAMWORTHY KSE	
Model	txt	VERTICAL	
Туре	txt	CENTRIFUGAL	
Output	US gals/min	440	
All offtake points supplied by each pump	yes/no	Yes	
Location of pumps	txt	Pontoon Stbd Aft	
Location of pumps	txt	Pontoon Port Aft	
Fire fighting water delivery conforms to IMO MODU Spec	yes/no	Yes	
MODU spec version	txt	1979	
L 3.2 HYDRANTS AND HOSES			
Hydrants positioned such that any point may be reached by a single hose length from two	yes/no	Yes	
separate hydrants			
Quantity of hydrants	no.	78	
Hose connections/hydrant	no.	100	
Hose max. diam.	in ft	2 1/2	
L.3.3 PORTABLE FIRE EXTINGUISHERS	ft	65	
Quantity (total)	no.	164	
Type 1- CO2	no.	111	
Type 2 - Dry chemical	no.	26	
Type 3 - Foam	no.	12	
Mounted adjacent to access ways and escape routes	yes/no	YES	
L.3.4 FIRE BLANKETS			
Location	txt	Fire Stations No.1 and 2	
Quantity	no.	12	
L.3.5 FIXED FOAM SYSTEM			
Automatically injected into fixed fire water system at central point with remote manual control	yes/no	Yes	
Make	txt	Chemguard	
Type	txt	High expansion Foam	
Quantity foam stored on site	ft3	20	
Inductor tube	yes/no	Yes	
Foam nozzles	no.	3	
Located at	txt	Sewage Treatment	
Located at	txt	Ht Pump Stbd FWD	
Located at	txt	Boiler room	
L.3.6 HELIDECK FOAM SYSTEM			
Dedicated system adequate for at least 10 minutes fire fighting at the rate quoted in the IMO MODU code	yes/no	YES	
IMO MODU code version	txt	yes	
Make	txt	Galvabras	
Type	txt	Fixed, Manual Operation	
Quantity of monitors	no.	3	
Foam type		LGE 3%	
Rate	US gals/min	1809	
L.3.7 FIXED FIRE EXTINGUISHING SYSTEM			
	•		





L. SAFETY EQUIPMENT		
E. O. I. E. I. L. E. CONTINUED.		
Protected spaces		manifold drillfloor, drawworks, shaleshakers room, subsea room, helideck, heli lounge, 38t crane, drawworks refrigeration unit, subsea unit, 25t crane, upper deck, compressor room, 50t crane, ventilation room, outside accommodations, upper varanda, lifeboats deck, upper sackstore, OCC, AFT PORT column, ROV unit, outside transformers room, AFT STB column, high pressure compressors room, accommodations, corridor mud tanks, pump room, sewage treatment room, lower locker room, lower deck - FWD PORT column, moonpool, incinerator room, engine room 1 & 2, purifier room, workshop, inside & outside AFT STB column, inside & outside AFT PORT column, mud mix room, lower sackstore, mud pump room, engine room 3, upper boiler room, pontoon FWD PORT & STB, pontoon AFT PORT & STB.
Engine room, type	Halon/CO2	Both
Paint locker, type	Halon/CO2	No
Emergency generator, type	Halon/CO2	CO2
SCR room, type	Halon/CO2	CO2
Other (specify location & type) Alarms	txt audible, visual or both	N/A both
Automatic shutting of mechanical ventilation in protected spaces	yes/no	Yes
Remote manual release located at	txt	Control Room
Remote manual release located at	txt	Outside place
Remote manual release located at	txt	N/A
L.3.8 MANUAL WATER DELUGE SYSTEM	yes/no	Yes
Protected spaces	txt	Shale Shakers Main dock drillfloor
Protected spaces Water supplied from fire main line	txt yes/no	Main deck, drillfloor No
L.3.9 WATER SPRINKLER SYSTEM IN ACCOMODATION	J 03/110	
Automatic	yes/no	Yes
Working pressure	psi	87
Pressurized tank capacity	ft3	83.69
L.4 BREATHING APPARATUS L.4.1 General Sets		
Quantity	no.	37
Make	txt	MSA
Туре	txt	LUXFER
Bottle duration	min	30
Located at:	txt	Accomodation
Located at: Located at:	txt	Control Room DRILLFLOOR
Located at:	txt	Shale Shakers
Located at:	txt	MUD PUMP ROOM
Quantity	no.	164
Make	txt	DRAGER
Type Bottle duration	txt min	SAVE 15
Located at:	txt	Accomodation
Located at:	txt	Crane 25TON
Located at:	txt	Crane 38TON
Located at:	txt	Crane 50TON
Located at:	txt	Derrick Padia sage
Located at: L.4.2 Derrickman Escape Sets	txt	Radio room
Quantity	no.	2
Make	txt	MSA
Туре	txt	LUXFER
Bottle duration	min	30
Located at: L.4.3 Cascade Stations	txt	SLUG TANK / MUD PUMP ROOM
Quantity	no.	N/A
Make	txt	N/A
Type	txt	N/A
Locations/outlets at location : Locations/outlets at location :	txt	N/A N/A
Locations/outlets at location:	txt	N/A
Locations/outlets at location:	txt	N/A
L.4.4 Breathing Air Recharge Compressor		
Quantity	no.	1 BAUERS COMPRESSOR
Make Type	txt	DRAGER
Located at :	txt	FIRE STATION n.01
Located at:	txt	
L.4.5 Compressed Air Breathing Apparatus Trolley Unit		
Positive pressure Make	yes/no	Yes Drager
Type	txt	Dräger PAS AirPack 1 ST-3560-2003
Air line length	ft	164,04
Compressed air bottles		Twin Cylinder
Quantity	no.	2
Size	ft3	0.42
Including Face mask	yes/no	Yes
Demand valve	yes/no	Yes
Microphone	yes/no	No
Safety harness	yes/no	Yes
	yes/no	No
Safety line(incorporating phone line)	yes/110	
Safety line(incorporating phone line) L.4.6 Air Purity Test Equipment		10
Safety line(incorporating phone line)	no. txt	10 BAUERS COMPRESSOR
Safety line(incorporating phone line) L.4.6 Air Purity Test Equipment Quantity	no.	





L.5.1 FIRST AID KITS Quantity	no.	9
L.5.2 BURN KITS		
Quantity L.5.3 RESUSCITATORS	no.	4
Quantity	no.	1
Charged (spare) oxygen cylinders L.5.4 STRETCHERS	no.	3
Quantity	no.	1
Туре	txt	OFFSHORE
Located at Quantity	no.	Fire Station No. 1
Туре	txt	OFFSHORE
Located at Quantity	no.	Fire Station No. 2
Туре	txt	OFFSHORE
Located at L.6 HELIDECK RESCUE EQUIPMENT	txt	Syck bay
L.6.1 STORAGE BOXES		
Quantity	no.	1
Construction material Max height open	in	Fiber 39,37
L.6.2 EQUIPMENT		
Aircraft axe Large firemans rescue axe	yes/no yes/no	YES YES
Crowbar	yes/no	YES
Heavy duty hacksaw	yes/no	YES
Spare blades Grapnel hook	yes/no yes/no	YES YES
Length of wire rope attached	ft	32,81
Quick release knife Bolt croppers	yes/no	YES YES
L.7 RIG SAFETY STORE	yes/no	11.5
Equipment to repair, recharge and restock	voc/po	VEC
Foam concentrate : Diy chemical charges :	yes/no yes/no	YES NO
C02 charges for dry chemical extinguishers:	yes/no	NO
CO2 charges for water extinguishers:	yes/no	YES YES
CO2 charges for foam extinguishers : Discharge hoses, control nozzles and horns	yes/no yes/no	YES
and washers for C02 extinguishers:	yes/no	YES
Discharge hoses, control nozzles and horns and washers for dry chemical extinguishers:	yes/no yes/no	YES YES
Fire blankets:	yes/no	YES
Fireproof gloves:	yes/no	YES
Rubber gloves-elbow length : Rubber aprons :	yes/no yes/no	YES YES
Rubber boots :	yes/no	YES
Full face visors:	yes/no	YES
Eye shields (for grinding machines, etc.): Dust masks:	yes/no yes/no	YES YES
Spare safety helmets, boots, overalls :	yes/no	YES
Gloves, hand torches, batteries, etc. : Spare lifebuoys :	yes/no yes/no	YES YES
Spare lifebuoy lights:	yes/no	YES
Fresh air blowers/inductors for ventilating	yes/no	YES
enclosed spaces : Spare life jackets :	yes/no yes/no	YES YES
Safety belts c/w line:	yes/no	YES
Full safety harnesses:	yes/no	YES
Spare derrickman's safety belts : Spare CABA bottles, charged	yes/no yes/no	YES YES
L.8 EMERGENCY WARNING ALARMS		
Approved system to give warning of different emergencies L.9 SURVIVAL EQUIPMENT	yes/no	YES
L.9.1 LIFEBOATS		
Make	txt	DREW MARINE
IT	txt	60P Tanker Version
Туре		Totally Enclosed Lifeboat
Quantity	no.	4
Quantity Capacity	person/craft	4 60
Quantity		4
Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios	person/craft txt yes/no yes/no	4 60 FORWARD TWEEN DECK YES YES
Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares	person/craft txt yes/no yes/no yes/no	4 60 FORWARD TWEEN DECK YES YES YES
Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios	person/craft txt yes/no yes/no	4 60 FORWARD TWEEN DECK YES YES
Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Food First aid kits Make	person/craft txt yes/no yes/no yes/no yes/no yes/no txt	4 60 FORWARD TWEEN DECK YES YES YES YES YES YES NA
Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Food First aid kits Make Type	person/craft txt yes/no yes/no yes/no yes/no yes/no	4 60 FORWARD TWEEN DECK YES YES YES YES YES
Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Food First aid kits Make Type Quantity Capacity	person/craft txt yes/no yes/no yes/no yes/no yes/no txt txt no. person/craft	4 60 FORWARD TWEEN DECK YES YES YES YES YES NA NA NA NA
Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Food First aid kits Make Type Quantity Capacity Locations (fore, apt, port, stbd)	person/craft txt yes/no yes/no yes/no yes/no yes/no txt txt no. person/craft txt	4 60 FORWARD TWEEN DECK YES YES YES YES YES NA NA NA NA NA
Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Food First aid kits Make Type Quantity Capacity	person/craft txt yes/no yes/no yes/no yes/no yes/no txt txt no. person/craft	4 60 FORWARD TWEEN DECK YES YES YES YES YES NA NA NA NA
Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Food First aid kits Make Type Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Fire protection Radios Flares	person/craft txt yes/no yes/no yes/no yes/no yes/no txt txt no. person/craft txt yes/no yes/no	4 60 FORWARD TWEEN DECK YES YES YES YES NA
Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Food First aid kits Make Type Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Food	person/craft txt yes/no yes/no yes/no yes/no yes/no txt txt no. person/craft txt yes/no yes/no yes/no yes/no yes/no	4 60 FORWARD TWEEN DECK YES YES YES YES NA
Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Food First aid kits Make Type Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares	person/craft txt yes/no yes/no yes/no yes/no yes/no txt txt no. person/craft txt yes/no yes/no	4 60 FORWARD TWEEN DECK YES YES YES YES NA
Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Food First aid kits Make Type Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Food First aid kits L.9.2 LIFERAFTS Make	person/craft txt yes/no yes/no yes/no yes/no yes/no txt txt no. person/craft txt yes/no yes/no yes/no yes/no txt txt txt txt txt txt txt txt txt tx	4 60 FORWARD TWEEN DECK YES YES YES YES YAS NA
Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Food First aid kits Make Type Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Food First aid kits L.9.2 LIFERAFTS Make Type	person/craft txt yes/no yes/no yes/no yes/no yes/no txt txt txt no. person/craft txt yes/no yes/no yes/no yes/no yes/no txt txt txt txt txt txt txt txt txt tx	4 60 FORWARD TWEEN DECK YES YES YES YES NA
Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Food First aid kits Make Type Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Food First aid kits Make Type Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Food First aid kits L-9.2 LIFERAFTS Make Type Quantity Capacity	person/craft txt yes/no yes/no yes/no yes/no yes/no txt txt no. person/craft txt yes/no yes/no yes/no yes/no txt txt txt txt txt txt txt txt txt tx	4 60 FORWARD TWEEN DECK YES YES YES YES YES NA
Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Food First aid kits Make Type Quantity Capacity Locations (fore, apt, port, stbd) Fire protection Radios Flares Food First aid kits L.9.2 LIFERAFTS Make Type Quantity	person/craft txt yes/no yes/no yes/no yes/no yes/no yes/no txt txt txt no. person/craft txt yes/no yes/no yes/no yes/no txt txt txt txt txt txt txt txt txt tx	4 60 FORWARD TWEEN DECK YES YES YES YES NA





L. SAFETY EQUIPMENT		
Fire protection	yes/no	NO
Radios	yes/no	YES
Flares	yes/no	YES
Food	yes/no	YES
First aid kits	yes/no	YES
Make	txt	NA
Туре	txt	NA
Quantity	no.	NA
Capacity	person/craft	NA
Davit launched	yes/no	NA
Locations (fore, apt, port, stbd)	txt	NA
Fire protection	yes/no	NA
Radios	yes/no	NA
Flares	yes/no	NA
Food	yes/no	NA
First aid kits	yes/no	NA
L.9.3 RESCUE BOAT		
Make	txt	QINGDAO
Туре	txt	BH-HR7
Engine power		156Kw
L.9.4 LIFE JACKETS		
Make	txt	COSALT PREMIER
Туре	txt	FRONT
Quantity	no.	183
L.9.5 LIFE BUOYS		
Make	txt	DATREX
Туре	txt	DX0325D SIZE 30
Quantity	no.	13
L.9.6 WORK VESTS		
Make	txt	Staerns Manufacturing Company
Туре	txt	1089
Quantity	no.	6
L.9.7 ESCAPE LADDERS/NETS		
Make	txt	NA
Туре	txt	NA
Quantity	no.	NA
L.9.8 DISTRESS SIGNALS		
Туре	txt	Eurosul
Quantity	no.	14





M. POLLUTION PREVENTION EQUIPMENT		
M.1 SEWAGE TREATMENT		
Make	txt	HAMWORTHY KSE
Model	txt	ST 30 SUPER TRIDENT
System type	txt	Activated sludge/ Suspended aeration
Conforms to (Marpol annex IV, etc.)	txt	Annex IV Marpol 73/78
M.2 GARBAGE COMPACTION		
Make	txt	Iguaçumec
Model	txt	PHV-150
System type	txt	Vertical hydraulic
Conforms to (Marpol annex IV, etc.)	txt	Annex IV Marpol 73/78
Make	txt	N/A
Model	txt	N/A
System type	txt	N/A
Conforms to (Marpol annex IV, etc.)	txt	N/A
M.3 GARBAGE DISPOSAL/GRINDER		
Make	txt	Salvajor
Model	txt	Model 750
System type	txt	Food Waste Disposer
Conforms to (Marpol annex IV, etc.)	txt	Annex IV Marpol 73/78