#### **TECHNICAL ATTACHMENT B**

#### INTERNATIONAL ASSOCIATION OF DRILLING CONTRACTORS

#### STANDARD FORMAT EQUIPMENT LIST JACK-UP DRILLING UNIT

NAME OF RIG WILL BE DISCLOSED UPON COMPLETION OF NDA & LOI FROM INTERESTED BUYERS

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#### ADDITIONAL INFORMATION

SPECIFICATION		DESCRIPTIONS
A. UNIT SPECIFICATIONS		RIG NAME TBD UPON COMPLETION OF NDA & LOI
Rig type:		Independent Leg Cantilever Jack Up
Unit/Design/Shape:		Jack Up / Letourneau Class 82-SD-C / Triangular
Unit flag:		Panama
Unit classification:		PHRS
IMO Certification:	yes/no	Yes XXXXXXX
Which code version:		1979 Resolution A.414(XI)
Year of Construction:		1979
Construction Yard:		Marathon Le-Tourneau Vicksburg, Mississippi
A.1 MAIN DIMENSIONS / TECHNICA	AL DESCRIPTION	
Light ship:	kips	12,317.59
Displacement at loadline:	kips	14,692.0
Overall length of unit (including Heli		271.94
Overall width of unit (including anch	-	176.0
Hull length:	ft	207.33
Hull width:	ft	176.0
Hull depth:	ft	20.0
Number of legs/length:	no.x ft	3 X 393.82
Leg length available below hull:	ft	349.69
Type of leg:		Triangular Truss
Leg spacing (center to center)		
Traverse:	ft	120
Longitudinal:	ft	121.66
Independent leg or mat:		Independent Leg
Spud can diameter:	ft	40
Spud can height:	ft	21.5 ¾″
Spud can footing area:		1,256.64 sq. ft per spud can.
Bottom jets:	yes/no	Yes
Top jets:	yes/no	Yes (Side Jets Only – No Top Jets)
Mat dimensions:		-
Cantilever or slot:		Cantilever
Skid-off:	No / Yes	No
Cantilever envelope:		
Reach AFT, from / to:	ft/ft	0 ft to 40 ft ( <u>47 ft. w/ extensions</u> )
Transverse, port/stbd:		12 ft port /12 ft starboard
Slot dimensions:		-
Length:	ft	
Width:	ft	
Mat slot dimensions:		-
Length:	ft	
Width:	ft	
Max. cantilever load:		

SPECIFICATION	l	DESCRIPTIONS
(combined hook + rotary + setba	ck) kips	1,450 kips on CL 40' aft
		881 kips, 40 ft aft 12 ft port of centerline.
		764 kips, 40 aft 12ft STBD of centerline.
		1167kips on CL at 47' aft
		655 kips 47' aft, 12' port of centerline
		538 kips 47' aft, 12' STBD of centerline
Max. rotary load:	kips	1,000
Max. setback load:	kips	450
Fuel Consumption (avg. drilling):	bbl/day	84
Accommodation for max. # of perso	nnel: no.	100 (inc. Sick bay)
(See Sec 1.3.5)		
A.2 STORAGE CAPACITIES		
Fuel	bbl	2,118
Fuel: Drilling water:	laa bbl	6,600
Potable water:		926
	bbl	
Mud processing tank (see Sec 2.10):		167
Active liquid mud (see Sec 3.6.5):	bbl	1,666
Independent oil base mud storage:	bbl	No
Agitated:	yes/no	-
Independent base oil storage:	bbl	No
Independent brine storage:	bbl	No
Heavy brine accepted (e.g. bromi		No
Bulk Bentonite/Barite: (see Sec 3.11	•	2EA-1950
Bulk cement: (see Sec 3.11.2)	ft3	2EA-1950
Sack storage:	sacks	2000 Sacks(100lbs/sack)
Pipe rack:	ft2	
Upper racks dimensions:	ft x ft	48X51
	Kips /linear ft	4
Lower rack dimensions:	ft x ft	40X51
	Kips /linear ft	4
Miscellaneous storage area:	ft2	1100
Operator storage area:	ft2	
Preload capacity (Required):	kips/Leg	7138 kips/Leg (during 100% preload)
Time to fill and dump preload:	hrs	18 hrs
A.3 JACKUP SYSTEMS		
A.3.1 Jacking Systems		
Make/type:		Le Tourneau Rack and Pinion
No jacks or pinions:	no.	36 (12 pinion/leg)
Maximum variable jacking load:	kips	2491 Kips
Jacking speed:	, ft/min	1.5 ft/min
Rack chocks available:	yes/no	No.
Required for field tow:	yes/no	No

SPECIFICATION		DESCRIPTIONS
Required for ocean tow:	yes/no	No
A.3.2 Raw Water Systems		
Pump location:		PRT Leg Water Manifold
Suction distance below hull (max):	ft	127
Salt water service pump:		
Quantity:	no.	3
Make/Type:		SHAKTI Pumps
Capacity:	gal/min	1163
@ pressure:	psi	70 psi / 3 stages
Horsepower:	hp	100
Dedicated preload pumps:		
Quantity:	no.	-
A.4 OPERATIONAL CAPABILITIES		
Maximum design water depth capability	r: ft	280'
Outfitted max/min water depth capabili		280' / 30'
Normal minimum water depth capability	y: ft	30′
Draft at load line (deepest):	ft	11.29'
Drilling depth capability (rated):	ft	20,000'
Transit speed towed (historical avg.):	knots	4.2
Leg (spud can) below hull in transit (Field	d Move):ft	12.38'
Maximum las langth normaittad in taxu		
Maximum leg length permitted in tow:	£1	220.87
Ocean tow (Wet):	ft	230.8'
Field tow:	ft	342.6—331.0′
Number of tugs for field tow:	no.	2EA; positioning on a platform requires 3EA
		tugs
Associated minimum bollard pull :	MT	Combined Bollard Pull 160 MT
Anti-roll system:	yes/no	No
Maximum preload reaction:	kips/leg	7,138 kips/ leg.
Bearing pressure at maximum preload: Thrusters:	lb/ft2 yes/no	5.65 None
A.5 VARIABLE LOAD CAPACITY (VL) (exclusive of drilling loads)		
Transit VL capacity:	kips	2,374
Drilling VL capacity:	kips	4,073
Survival VL capacity:	kips	1,957
Jacking VL capacity:	•	2,491
Jacking VL Lapality.	kips	2,471
A.6 ENVIRONMENTAL LIMITS		

SPECIFICATION		DESCRIPTIONS
Transit		
Max. wave height:	ft	5′
Max. wave period:	sec	10
Max. wind velocity	knots	70 @ Field Transit & 100 @ Ocean Transit
Max. current velocity:	knots	2.3
Max. heave (single amplitude):		159
deg/sec		
Max. pitch (single amplitude):	degrees	7° single amplitude Ocean
Max. roll (single amplitude):	degrees	6° single amplitude Ocean
max. For (single amplitude).	acgrees	
Working water depth:	ft	280'
Drilling:		200
Air gap (below bottom of main hull):	ft	35′
Max. wave height:	ft	26'
Max. wave period:	sec	8
Max. wind velocity:	knots	60
-	knots	2
Max. current velocity: Survival:	KIIUUS	۲ <sup>۲</sup>
	0	254
Air gap (below bottom of main hull):	ft	35'
Max. wave height:	ft	29.5
Max. wave period:	sec	9.6
Max. wind velocity:	knots	60
Max. current velocity:	knots	2 (surface velocity)
A.7 MOORING SYSTEM		
A.7.1 Anchor Winches		
Quantity:	no.	_
Make/model:		-
Type (electric/hydraulic/diesel):		_
Total HP per winch:	hp	_
Rated pull:	st	_
Control locations (local/remote/both):	50	
A.7.2 Anchors		None
A.7.3 Anchor Lines		
Wire		
Quantity: (installed + spare):	no.	-
Make/type:		-
Construction:		-
Diameter:	in	-
Useful length (nominal):	ft	-
A.7.4 Towing Gear		

SPECIFICATION		DESCRIPTIONS
Towing bridle size:	in	1 EA 2 ½ " X 75' Wire Rope
Hook-up system:		Delta Plate and Smit Brackets
Rating:	kips	165
Spare bridle:	yes/no	No
A.7.5 Supply Vessel Mooring Syste	m	
System description:		3" Rope mooring lines port & bow legs
Rating:	st	157
Location (port/stbd/both):		Both
A.8 MARINE LOADING HOSES		
Location of loading manifolds (port/s	tbd/both):no.	Both
A.8.1 Potable Water Hoses		
Quantity:	no.	2
Size:	in	3"x150'
Make/type:		R A J Hydraulic Pipes & Fittings Trading L.L.C.
Color coding:	yes/no	No
Make/type connection:		Cam lock
A.8.2 Drilling Water Hose		
Quantity:	no.	2
Size:	in	4″x150′
Make/type:		R A J Hydraulic Pipes & Fittings Trading L.L.C.
Color coding:	yes/no	No
Make/type connection:		FIG 50
A.8.3 Gas/Fuel Oil Hose		
Quantity:	no.	2
Size:	in	3″x150′
Make/type:		R A J Hydraulic Pipes & Fittings Trading L.L.C.
Color coding:	yes/no	No
Make/type connection:	-	Cam lock
A.8.4 Mud Chemical Hose (Liquid N	/lud)	
Quantity:	no.	2
Size:	in	3″X150′ & 4″X150′
Make/type:		R A J Hydraulic Pipes & Fittings Trading L.L.C.
Color coding:	yes/no	No

SPECIFICATIO	N	DESCRIPTIONS
A.8.5 Cement Hose		
Quantity:	no.	2
Size:	in	5″X150′
Make/type:		R A J Hydraulic Pipes & Fittings Trading L.L.C.
Color coding:	yes/no	No
Make/type connection:		Cam lock
A.8.6 Liquid Mud Hose		
Quantity:	no.	2
Size:	in	3″X150' & 4X150'
Make/type:		Copper state Rubber / Bulk Material
Color coding:	yes/no	No
Make/type connection:		Cam lock
A.8.7 Brine Hose		None
A.9 CRANES, HOIST, AND MATI	ERIAL HANDLING	
A.9.1 Cranes, Revolving		
Quantity:	no.	1
Specification (API, etc.):		ABS
Make:		Letourneau
Туре:		PCM 120 AS
Location (frwd/aft/port/stbd):		PORT
Boom length:	ft	120
Hook reach below main deck (block		50 (4 PART)
Block capacities and hoisting speed	ls:	
Load/radius/speed (minimum ra lbs/ft/(ft/sec)	adius):	57,400/28.1
Load/radius/speed (maximum r lbs/ft/(ft/sec)	adius):	3,260/120
Whip capacity and hoist speed:	lbs/ft/(ft/sec)	-
Hook load indicator automatically:	· · ·	
corrected for boom angle:	yes/no	Yes
Alarm (audible, visual, both):		Audible
Automatic brake:	yes/no	Yes
Safety latch on hooks:	yes/no	Yes
Crown saver (limit switch):	yes/no	Yes
Boom illumination:	yes/no	Yes
Quantity:	no.	2
Specification (API, etc.):		ABS
		Letourneau
Make:		Letoumeau

SPECIFICATIO	N	DESCRIPTIONS
Location (frwd/aft/port/stbd):		BOW & STBD AFT
Boom length:	ft	100'
Hook reach below main deck (block	(/whip): ft	50' (4 PART)
Block capacities and hoisting speed	s:	
Load/radius/speed (minimum ra		90,720/24
/ft/(ft/sec)		
Load/radius/speed (maximum ra	adius): Ibs	5,860/103.5
/ft/(ft/sec)		
Whip capacity and hoist speed:	lbs /ft/(ft/sec)	-
Hook load indicator automatically:		Yes
corrected for boom angle:	yes/no	Yes
Alarm (audible, visual, both):		Audible
Automatic brake:	yes/no	Yes
Safety latch on hooks:	yes/no	Yes
Crown saver (limit switch):	yes/no	Yes
Boom illumination:	yes/no	Yes
A.9.2 Forklifts		None (Pallet Jacks Available)
Quantity:	no.	-
Make/type:		
Rated capacity:	st	
Explosion proof:	yes/no	
A.9.3 Monorail Overhead Cranes		None
Quantity:	no.	-
Make:		
Туре:		
Rated Capacity:		
Location(s):		
A.9.4 Air Hoist/Derrick Winches		
A.9.4.1Rig Floor Winches (Non ma	n-riding)	
Quantity:	no.	2 (PORT & STBD)
Make:		Ingersoll-Rand
Type:		FA5I-24XK1GP1-CE
Rated capacity:	lbs	11000
Wire diameter:	in	3/4"
Automatic brakes:	yes/no	Yes
Overload protection:	yes/no	Yes

Quantityno.1 (Pull back Tugger) ingersoll-RandType:BU7A PTABRated Capacity:IbsWire Diameter:inAutomatic Brakes:yes/noOverload Protection:yes/noAutomatic Spooling:yes/noAutomatic Spooling:yes/noNate:ingersoll-RandMake:BU7A PTABAutomatic Spooling:yes/noNake:ingersoll-RandMake:BU7A PTABRated capacity:stNo2Automatic brake:yes/noYpe:BU7A PTABRated capacity:stNo1/4"Automatic brake:yes/noYesYesAutomatic brake:yes/noYpe:NoAutomatic brake:yes/noYpe:PatsokGMR/01014Rated capacity:Ibs330330Wire diameter:mmNon-twisted wire:yes/noYesYesAutomatic brakes:yes/noYesYesAutomatic brakes:yes/noYesNoQuantity:no.Non-twisted wire:yes/noYpe:fate-Gapacity:Non-twisted wire:yes/noYesYesAutomatic brakes:yes/noYesNoAutomatic brakes:yes/noYesYesAutomatic brakes:yes/noYesYesAutomatic brakes:yes/no <td< th=""><th>SPECIFICATION</th><th></th><th>DESCRIPTIONS</th></td<>	SPECIFICATION		DESCRIPTIONS
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Wire Diameter:in%"Automatic Brakes:yes/noYesOverload Protection:yes/noNoAtomatic Spooling:yes/noNoA.9.4.2 Monkey Board Work WinchIngersoll-RandQuantity:no.2Make:Ingersoll-RandType:BU7A PTABRated capacity:stMire diameter:inVire diameter:inVire diameter:inVerload protection:yes/noVesYesAutomatic brake:yes/noOverload protection:yes/noYpe:no.Rated capacity:no.Quantity:no.Quantity:no.Non-twisted wire:yes/noYpe:YesAutomatic brakes:yes/noYpe:NoQuantity:no.Non-twisted wire:yes/noAutomatic brakes:yes/noYesYesAutomatic brakes:yes/noYesNoQuantity:no.Ingersoll-RandFA2B-GMR-SMKLIGRated capacity:lbsSystemSystemNon-twisted wire:yes/noYesAutomatic brakes:yes/noYesAutomatic brakes:yes/noYesAutomatic brakes:yes/noYesAutomatic brakes:yes/noYesAutomatic brakes:yes/noYesAutomatic brakes:ye			
Automatic Brakes:yes/noYesOverload Protection:yes/noYesAutomatic Spooling:yes/noYesAutomatic Spooling:yes/noNoA.J.A.Z. Monkey Board Work WinchIngersoll-RandQuantity:no.2Make:Ingersoll-RandType:BU7A PTABRated capacity:stWire diameter:inAutomatic brake:yes/noOverload protection:yes/noYesYesAutomatic brake:yes/noOverload protection:yes/noYesNoQuantity:no.Make:Ingersoll-RandType:FA150KGMR/01014Rated capacity:Ibs330300Wire diameter:yes/noYon-twisted wire:yes/noYesYesAutomatic brakes:yes/noYesNoQuantity:no.Non-twisted wire:yes/noYesYesAutomatic spooling:yes/noYesNoQuantity:no.Make:Ingersoll-RandType:FA2B GMR-SMK16Rated capacity:IbsS,555 (Manrider)YesYesAutomatic brakes:yes/noYesYesAutomatic brakes:yes/noYesYesAutomatic brakes:yes/noYesYesAutomatic brakes:yes/noYesYesAutomati			
Overload Protection:yes/noYesAutomatic Spooling:yes/noNoA.9.4.2 Monkey Board Work Winch			
Automatic Spooling:yes/noNoA.9.4.2 Monkey Board Work WinchIngersoll-RandQuantity:no.2Make:Ingersoll-RandType:St1000Rated capacity:st1000Vire diameter:inAutomatic brake:yes/noYesOverload protection:yes/noYesA.9.4.3 Rig Floor "Man-Riding" Winch2Quantity:no.2Make:Ingersoll-RandType:FA150KGMR/01014Rated capacity:IbsWire diameter:mNon-twisted wire:yes/noYees/noYesAutomatic brakes:yes/noYeesYesAutomatic spooling:yes/noYees/noYesAutomatic spooling:yes/noYees/noYesAutomatic spooling:yes/noNon-twisted wire:yes/noYpe:no.Type:no.Rated capacity:IbsYire diameter:minYamatic spooling:yes/noYesNoAutomatic brakes:yes/noYesYesAutomatic brakes:yes/noYesYesAutomatic brakes:yes/noYesYesAutomatic spooling:yes/noYesYesAutomatic spooling:yes/noYesYesAutomatic spooling:yes/noYes/noYesAutomatic spooling:yes/no </td <td></td> <td>•</td> <td></td>		•	
A.9.4.2 Monkey Board Work Winch Quantity: No. Make: Type: Rated capacity: Katel: Katel		•	
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Make:Ingersoll-RandType:BU7A PTABRated capacity:stWire diameter:inAutomatic brake:yes/noOverload protection:yes/noYesA.9.4.3 Rig Floor "Man-Riding" WinchQuantity:no.Make:1Type:no.Make:10 mmType:rat50KGMR/01014Rated capacity:lbs330Wire diameter:mmNon-twisted wire:yes/noYesOverload protection:yes/noYesQuantity:no.No-twisted wire:yes/noYesQuantity:no.No-twisted wire:yes/noYesQuantity:no.Quantity:no.Nake:ingersoll-RandType:FA2B-GMR-SMK1GRated capacity:bsWire diameter:yes/noYesYesVatomatic brakes:yes/noVire diameter:inYirefA2B-GMR-SMK1GRated capacity:bsWire diameter:yes/noYesYesAutomatic brakes:yes/noYesYesAutomatic brakes:yes/noYesYesAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/no	A.9.4.2 Monkey Board Work Winch		
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Arted capacity:st1000Wire diameter:in1/4"Automatic brake:yes/noYesOverload protection:yes/noYesA.9.4.3 Rig Floor "Man-Riding" WinchIngersoll-RandQuantity:no.2Make:Ingersoll-RandType:FA150KGMR/01014Rated capacity:IbsWire diameter:mmNon-twisted wire:yes/noYesYesAutomatic brakes:yes/noYesYesAutomatic spooling:yes/noQuantity:no.Automatic spooling:yes/noYesNoQuantity:no.Make:1 (Casing Stabbing Board)Ingersoll-RandFype:FA2B-GMR-SMR13GRated capacity:IbsWire diameter:yes/noYesYesAutomatic brakes:yes/noYesNoQuantity:no.Non-twisted wire:yes/noYesYesAutomatic brakes:yes/noYesYesOverload protection:yes/noYesYesAutomatic brakes:yes/noYesYesAutomatic brakes:yes/noYesYesAutomatic brakes:yes/noYesYesAutomatic brakes:yes/noYesYesAutomatic brakes:yes/noYesNoAutomatic brakes:yes/noYes <td>Make:</td> <td></td> <td>Ingersoll-Rand</td>	Make:		Ingersoll-Rand
Wire diameter:in1/4"Automatic brake:yes/noYesOverload protection:yes/noYesA.9.4.3 Rig Floor "Man-Riding" WinchIngersoll-RandQuantity:no.2Make:Ingersoll-RandType:FA150KGMR/01014Rated capacity:IbsWire diameter:mmNon-twisted wire:yes/noYesYesAutomatic brakes:yes/noQuantity:no.Quantity:no.Quantity:no.Nake:1 (Casing Stabbing Board)Ingersoll-RandType:FA2B-GMR-SMK1GRated capacity:IbsMake:yes/noYesQuantity:no.Non-twisted wire:yes/noYesAutomatic brakes:yes/noYesAutomatic brakes:yes/noAutomatic brakes:yes/no <td>Туре:</td> <td></td> <td>BU7A PTAB</td>	Туре:		BU7A PTAB
Wire diameter:in1/4"Automatic brake:yes/noYesOverload protection:yes/noYesA.9.4.3 Rig Floor "Man-Riding" WinchIngersoll-RandQuantity:no.2Make:Ingersoll-RandType:FA150KGMR/01014Rated capacity:IbsWire diameter:mmNon-twisted wire:yes/noVerload protection:yes/noAutomatic brakes:yes/noQuantity:no.Quantity:no.Non-twisted wire:yes/noVerload protection:yes/noQuantity:no.Nake:1 (Casing Stabbing Board)Ingersoll-Randragersoll-RandType:FA2B-GMR-SMK1GRated capacity:IbsMake:yes/noNon-twisted wire:yes/noVerload protection:yes/noNake:ingersoll-RandType:FA2B-GMR-SMK1GRated capacity:IbsVire diameter:yes/noVesYesAutomatic brakes:yes/noVesYesAutomatic brakes:yes/noVesNoAutomatic brakes:yes/noVesNoAutomatic brakes:yes/noAutomatic brakes:yes/noVesNoAutomatic brakes:yes/noAutomatic brakes:yes/noAutomatic brakes:yes/noAutomatic brakes:yes/noAutomatic brakes:yes/n		st	
Overload protection:yes/noYesA.9.4.3 Rig Floor "Man-Riding" Winch2Quantity:no.Quantity:no.Type:FA150KGMR/01014Rated capacity:lbsWire diameter:mmNon-twisted wire:yes/noYesYesOverload protection:yes/noYesYesOverload protection:yes/noQuantity:no.1 (Casing Stabbing Board)Make:Ingersoll-RandType:FA2B-GMR-SMK1GRated capacity:lbsSystemSystemQuantity:no.Non-twisted wire:yes/noNate:ingersoll-RandType:fA2B-GMR-SMK1GRated capacity:lbsSystemyes/noAutomatic brakes:yes/noYesYesAutomatic brakes:yes/noYesYesAutomatic brakes:yes/noYesNoAutomatic spooling:yes/noYesNoAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noMake:ningersoll-RandIngersoll-Randingersoll-RandIngersoll-Randingersoll-RandRated capacity:ingersoll-RandMarceyes/no <trt< td=""><td>Wire diameter:</td><td>in</td><td>1/4"</td></trt<>	Wire diameter:	in	1/4"
A.9.4.3 Rig Floor "Man-Riding" Winch2Quantity:no.2Make:Ingersoll-RandType:FA150KGMR/01014Rated capacity:lbs330Wire diameter:mm10 mmNon-twisted wire:yes/noYesAutomatic brakes:yes/noYesOverload protection:yes/noYesAutomatic spooling:yes/noYesQuantity:no.1 (Casing Stabbing Board)Make:Ingersoll-RandType:FA2B-GMR-SMK1GRated capacity:lbs5,555 (Manrider)Wire diameter:inYesYesAutomatic brakes:yes/noVeridiameter:inYesYesAutomatic brakes:yes/noAutomatic brakes:yes/noAutomatic brakes:yes/noAutomatic brakes:yes/noAutomatic brakes:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noMake:Ingersoll-RandMake:Ingersoll-Rand	Automatic brake:	yes/no	Yes
Quantity:no.2Make:Ingersoll-RandType:FA150KGMR/01014Rated capacity:IbsRated capacity:IbsWire diameter:mmNon-twisted wire:yes/noYesAutomatic brakes:yes/noYesOverload protection:yes/noAutomatic spooling:yes/noQuantity:no.I (Casing Stabbing Board)Make:Ingersoll-RandType:FA2B-GMR-SMK1GRated capacity:IbsWire diameter:in½"Non-twisted wire:yes/noVerload protection:yes/noYesQuantity:IbsAutomatic brakes:yes/noYesAutomatic brakes:yes/noYesAutomatic brakes:yes/noYesAutomatic brakes:yes/noYesAutomatic spooling:yes/noYesAutomatic spooling:yes/noYesAutomatic brakes:yes/noYesAutomatic spooling:yes/noAutomatic spooling:yes/noNoAutomatic spooling:yes/noAutomatic spooling:no.1Quantity:no.Make:1Ingersoll-Rand	Overload protection:	•	Yes
Make:Ingersoll-RandType:FA150KGMR/01014Rated capacity:IbsWire diameter:mmNon-twisted wire:yes/noVesYesAutomatic brakes:yes/noOverload protection:yes/noAutomatic spooling:yes/noQuantity:no.Make:1 (Casing Stabbing Board)Ingersoll-RandType:FA2B-GMR-SMK1GRated capacity:IbsVire diameter:in½"Non-twisted wire:yes/noAutomatic brakes:yes/noVire diameter:in½"Non-twisted wire:yes/noAutomatic brakes:yes/noYesAutomatic brakes:yes/noYesAutomatic spooling:yes/noYesAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noNoNoAutomatic spooling:no.1Ingersoll-RandIngersoll-RandIngersoll-Rand	A.9.4.3 Rig Floor "Man-Riding" Winch		
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Rated capacity:Ibs330Wire diameter:mm10 mmNon-twisted wire:yes/noYesAutomatic brakes:yes/noYesOverload protection:yes/noYesAutomatic spooling:yes/noNoQuantity:no.1 (Casing Stabbing Board)Make:Ingersoll-RandType:FA2B-GMR-SMK1GRated capacity:Ibs5,555 (Manrider)Wire diameter:in½"Non-twisted wire:Automatic brakes:yes/noOverload protection:yes/noAutomatic brakes:yes/noYesYesAutomatic spooling:yes/noYesNoAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noMake:no.1Ingersoll-Rand	Type:		
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Automatic brakes:yes/noYesOverload protection:yes/noYesAutomatic spooling:yes/noNoQuantity:no.1 (Casing Stabbing Board)Make:ingersoll-RandType:FA2B-GMR-SMK1GRated capacity:lbsVire diameter:inWire diameter:yes/noVes/noYesAutomatic brakes:yes/noOverload protection:yes/noAutomatic spooling:yes/noYes/noYesAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:yes/noAutomatic spooling:no.Automatic spooling:1Automatic spooling:no.Automatic spooling:no.Automatic spooling:no.Automatic spooling:no.Automatic spooling:no.Make:1Ingersoll-Rand	Non-twisted wire:	yes/no	Yes
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Type:FA2B-GMR-SMK1GRated capacity:lbs5,555 (Manrider)Wire diameter:in½"Non-twisted wire:yes/noYesAutomatic brakes:yes/noYesOverload protection:yes/noYesAutomatic spooling:yes/noNoA.9.4.4Utility Winch (i.e. Deck Winch)Quantity:no.1Make:Ingersoll-Rand	•		
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Wire diameter:in½"Non-twisted wire:yes/noYesAutomatic brakes:yes/noYesOverload protection:yes/noYesAutomatic spooling:yes/noNoA.9.4.4Utility Winch (i.e. Deck Winch)No1Quantity:no.1Make:Ingersoll-Rand		lhs	
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Automatic brakes:yes/noYesOverload protection:yes/noYesAutomatic spooling:yes/noNoA.9.4.4Utility Winch (i.e. Deck Winch)NoQuantity:no.1Make:Ingersoll-Rand			
Overload protection:     yes/no     Yes       Automatic spooling:     yes/no     No       A.9.4.4Utility Winch (i.e. Deck Winch)     No       Quantity:     no.     1       Make:     Ingersoll-Rand			
Automatic spooling:     yes/no     No       A.9.4.4Utility Winch (i.e. Deck Winch)     No       Quantity:     no.     1       Make:     Ingersoll-Rand		-	
Quantity: no. 1 Make: Ingersoll-Rand	•		
Make: Ingersoll-Rand	A.9.4.4Utility Winch (i.e. Deck Winch)		
Make: Ingersoll-Rand	Quantity	no	1
6	-	10.	
	Туре:		K6VL

SPECIFICATIO	N	DESCRIPTIONS
Rated capacity:	lbs	5000
Wire diameter:	in	3/4 "
Automatic brakes:	yes/no	Yes
Overload protection:	yes/no	No
Automatic spooling:	yes/no	No
Certified for man-riding:	yes/no	No
Locations:		BOP Cellar Deck (PRT)
Quantity:	no.	1
Make:		Ingersoll-Rand
Туре:		FA5-24MX1
Rated capacity:	lbs	10000
Wire diameter:	in	3⁄4"
Automatic brakes:	yes/no	Yes
Overload protection:	yes/no	Yes
Automatic spooling:	yes/no	Yes
Certified for man-riding:	yes/no	No
Locations:		BOP Cellar Deck (STBD)
Quantity:	no.	1
Make:		Ingersoll-Rand
Туре:		FA2.51-24XK1J123GPZ-E
Rated capacity:	ton	5
Wire diameter:	in	<sup>5</sup> / <sub>8</sub> "
Automatic brakes:	yes/no	YES
Overload protection:	yes/no	YES
Automatic spooling:	yes/no	NO
Certified for man-riding:	yes/no	NO
Locations:		Under Rig floor (near Port BOP Stack)
Quantity:	no.	1
Make:		Ingersoll-Rand
Type:		FA51-24XKIGP-CE
Rated Capacity:	lbs	11000
Wire Diameter:	in	13/16
Automatic Brakes:	yes/no	Yes
Overload Protection:	yes/no	Yes
Automatic Spooling:	yes/no	No
Certified man-iding:	yes/no	No
Locations:		Bow

SPECIFICATION		DESCRIPTIONS
Quantity:	no.	1
Make:	1101	Industrial Air Tool
Туре:		FA2516XKI
Rated Capacity:	lbs	11,000
Wire Diameter:	in	1 5/8"
Automatic Brakes:	yes/no	Yes
Overload Protection:	yes/no	Yes
Automatic Spooling:	yes/no	No
Certified man-iding:	yes/no	No
Locations:	<i>y</i> co <i>y</i> no	AFT
A.9.4.5 BOP Hoists (see E.10.1)		
		02
Quantity	no	
Rated capacity:	t	25
A.9.5 Transfer Baskets/Containers		4EA
A.9.5.1 Personnel Transfer Baskets		2 ea. Billy Pugh-X-904
A.9.5.2 Cargo Containers		Available
A.10 HELICOPTER LANDING DECK		
Location (fwd/aft/port/stbd):		FWD (BOW)
Dimensions:	ft / ft	64.61 Octagon
Perimeter safety net:	yes/no	Yes
Deck load capacity:	t	40 lbs. sq./ft.
Maximum helicopter weight:	t	18 kips
Designed for helicopter type:		S-61 – Max type Bell-412
Tie down points:	yes/no	Yes
Covered by foam fire system (see sec 3	.15.2): yes/no	Yes
A.10.1 Helicopter Refueling System		None
A.11 AUXILIARY EQUIPMENT		
A.11.1 Water Distillation		
Quantity:	no.	2
Make/type:		DFT
Capacity (each/total):	gal/day	45 m <sup>3</sup> /Day Ea.
A.11.2 Boilers		None
A.11.3 Air Conditioning		

SPECIFICATION		DESCRIPTIONS	
Make/type:		(3)Carrier / 38ARS012	
Capacity (total system):	tons	12	
Max. temperature rating:	С	140ºF	
Make/type:		(1) Carrier / 38AKS024	
Capacity (total system):	tons	24	
Max. temperature rating:	C	140ºF	
Make/type:		(1)Carrier /38AKS013	
Capacity (total system):	tons	13	
Max. temperature rating:	С	140ºF	
Make/type:		(1)Carrier /50TM-005-AC601 BA	
Capacity (total system):	tons	12	
Max. temperature rating:	C	140ºF	
Make/type:		(2)Carrier /90MU212	
Capacity (total system):	tons	12	
Max. temperature rating:	С	140ºF	
Make/type:		(5)Carrier /38AKS014	
Capacity (total system):	tons	14	
Max. temperature rating:	С	140ºF	
Make/type:		(1) Carrier /50HC-A07A2B6A0A0A0	
Capacity (total system):	tons	12	
Max. temperature rating:	С	140ºF	
A.11.4 Electric Welding Sets			
Quantity:	no.	1	
Current capacity:	amp	400	
Make/model:		ESAB / EWM-36	
Type (fixed/portable):		Fixed	
Quantity:	no.	1	
Current capacity:	amp	500	
Make/model:		ESAB / EWM-26	
Type (fixed/portable):		Fixed	
Quantity:	no.	1	
Current Capacity:	amp	500	
Make/Model:		ESAB / EWM-37	
Type (fixed/portable):		Fixed	
A 11 E Lligh Drossure Classer			
A.11.5 High Pressure Cleaner			

SPECIFICATION		DESCRIPTIONS	
Quantity:	no.	2	
Make/type:	1101	Niagara 300 4E4-460HXMDT	
Electric/pneumatic/diesel:		Electric	
Max delivered pressure:	psi	3000	
With steam:	yes/no	No	
B.1 DERRICK AND SUBSTRUCTURE			
B.1.1 Derrick / Mast			
Make/type:		LOAD MASTER MANUFACTURING INC.	
Rated for wind speed			
With full set back:	knots	93	
With no set back:	knots	107	
Height:	ft	160	
Dimensions of base:	ft x ft	30 x 30	
Dimensions of crown:	ft x ft	8 X 8	
Gross nominal capacity:	kips	1,000	
Static hook load:	lbs	1,050,000	
Maximum number of lines:	no.	12	
Ladders with safety cages and rests:	yes/no	Yes	
Platform for crown sheave access:	yes/no	Yes	
Counter balance, system for rig tongs ar	-		
spinning		Yes	
tong:	yes/no		
Lighting system explosion proof:	yes/no	Yes	
B.1.2 Racking Platform			
Make/type:		CE Rack Racking Platform	
Total current simultaneous capacity - dr	rill pipe:	5	
5″ DP:	ft	20,000'	
8" DC:	ft	465'	
Total	ft	20,465	
Tubing belly board:	yes/no	No	
B.1.3 Automated Pipe Handling		None	
B.1.4 Casing Stabbing Board			
Quantity:		1	
Make/type:		Loadmaster CSB-LMC1	
Adjustable from/to height above rotary	: ft/ft	20'/ 43'	

SPECIFICATION		DESCRIPTIONS
B.1.5 Substructure		
Make/type:		Marathon Le Tourneau
Drill floor height (above main deck):	ft	28'
Length:	ft	45 ½'
Width:	ft	46'
Setback capacity:	kips	450
Simultaneous setback + hook load capa	icity: kips	1,450
Rotary beam capacity (total):	kips	1,000
Clear height below rotary table beams	-	21'
deck):	ft	
B.1.6 Weather Proofing		
Rig floor windbreaks:	yes/no	Yes
Derrick wind wall:	yes/no	No
Around process pits:	yes/no	Yes
B.1.7 Derrick TV Camera System		
Camera located at:		Monkey Board & Casing Stabbing Board
Make/type:		Oilfield Motor & Control Inc. / OMC10.4LCD-SS
Zoom/Pan/Tilt-function:	yes/no	Yes
Monitor located at:	, .	Drillers Console
B.1.8 Mechanical Mouse Hole	yes/no	Νο
B.2 DRAWWORKS AND ASSOCIATED EQUIPMENT		
B.2.1 Draw works		
Make/type:		CONTINENTAL / C 2- Type II
Motors make/type:		EMD D 79 Series
Quantity:	no.	2
Rated input power:	hp	2,000
Drum size (diameter x length):	in x in	30″x 58″
Drum type (grooved/smooth)		Grooved
For drill line size:	in	1 <sup>3</sup> / <sub>8"</sub>
Brake type (disc/drum)		Drum
Maximum line pull 12 lines:	kips	1,014
Maximum line pull 10 lines:	kips	890
Maximum line pull 8 lines:	kips	738
Makeup cathead type:	-	EMSCO GRH
Breakout cathead type:		EMSCO GRH
Crown block safety devices:		Yes

SPECIFICATION		DESCRIPTIONS
Make/type:		Crown-o-matic / NL TBC-14
Independent fresh water cooling syste	m for draw	
works and electric brake:	yes/no	Yes
Automatic driller:	yes/no	No
Make/type:		
B.2.2 Auxiliary Brake		
Make:		Baylor / Elmagco
Model:		7838 eddy current brake
Independent back-up system type:		Yes (Battery)
B.2.3 Sandline		None
B.2.4 Slickline Unit		
Make/model:		Mathey Surveyor 2000-102
Wire length (nominal):	ft	19,000'
Wire size: in		.092
Breaking strength:	lbs	3,630
Safe working load:	lbs	2,725
Depth counter:		yes/no
B.3 DERRICK HOISTING EQUIPMEN	іт	
B.3.1 Crown Block		
Make/type:		Continental EMSCO / CE-RA-52-7
Rated capacity:	ton	500
No. of sheaves:	no.	6 + 1
Sheave diameter:	in	52"
Sheave grooved for line size:	in	1 <sup>3</sup> / <sub>8</sub> "
B.3.2 Traveling Block		
Make/type:		Continental EMSCO / RA-52-6
Rated capacity:	ton	500
No. of sheaves:	no.	6
Sheave diameter:	in	52"
Sheave grooved for line size:	in	1 <sup>3</sup> / <sub>8</sub> "
B.3.3 Hook	ton	NO
_		
B.3.4 Swivel		
B.3.4 Swivel Make/type: Rated capacity;		NO

psi/psi in gooseneck: yes/no	
gooseneck:	
-	
-	
yes/no	
in	1 <sup>3</sup> / <sub>8</sub> "
	6 x 19 (s) IWRC EIPS
ft	7500'
ves/no	Yes
•	No
-	No
, ,	
yes/no	No
	National /Type EB
ves/no	Yes (Martin Decker / E-80)
yes/no	Yes
	Varco Track & Dolly
	NOV / T-37.5
in	37 1/2'
st	650
yes/no	Yes
ves/no	No
r: yes/no	Yes
	EMD / D 79
hp	900 HP
ft/lbs	29,000
	Yes
	in ft yes/no yes/no yes/no yes/no yes/no yes/no yes/no r: in st yes/no r: yes/no hp

SPECIFICATION		DESCRIPTIONS
Make/type:		Varco / MPCH 37 ½"
Insert bowls:		Yes (#1,#2 & #3)
B.4.3 Kelly Bushing		None
B.4.4 Top Drive		
Make:		NOV / TDS-4S
Type (electric/hydraulic):		Electric
Rated capacity:	ton	500
Test/working pressure:	psi/psi	5,000 WP
Output power:	hp	1,130 HP
Maximum continuous torque:	ft-lbs	45,500
Two-speed gear box	yes/no	Yes
Maximum rotary speed:	rpm	250 RPM
Remote operated Kelly cock:	yes/no	Yes
Cooling system type:	, , -	Local Forced Air
Upper inside BOP (see also D.1.15)		
Quantity:	no.	1
Make/type:		NOV FOSV
Working pressure:	psi	10,000
Max. OD body:	in	9 5/8'
Max. ID body:	in	3 <sup>1</sup> / <sub>16</sub> "
Connection type (box):		6 5/8" Reg Box
Connection type (pin):		7 5/8" Reg Box
B.4.4.1 Top Drive Makeup / Breakout S	ystem	
Make/type:		NOV / TDS-4S
Model:		PH-85
Max. makeup torque:	ft/lbs	85000
Max. break out torque:	ft/lbs	85000
Raised Back Up System:	-,	No
C.1 RIG POWER PLANT		
C.1.1 Diesel Engines		
Quantity:	no.	3
Make/type:		EMD / Model 16-645-E9 (Turbo Charged)
Maximum continuous power:	hp	3070 BHP @900RPM
At rotation speed of:	rpm	900
Equipped with spark arrestors:	yes/no	Yes
Mufflers installed:	yes/no	Yes
manners motunea.	•	
Total fuel consumption, drilling (avg):	bbl/day	-

SPECIFICATION		DESCRIPTIONS
C.1.2 DC – Generator		None
C.1.3 AC – Generator		
Quantity:	no.	3
Make/type:		EMD / R/RAB216-5011
Continuous power:	kw	2,100 kw
At rotation speed of:	rpm	900
Output volts:	volts	600
C.1.4 SCR System		
Number of SCR:	no.	5
Make/type:		Ross Hill 1600
Maximum continuous power (total):	kw	4,000
Output volts:	volts	0-750VDC
C.1.5 Transformer System		
Quantity:	no.	3
Make/type:		Neco-Hammond
Continuous power (each):	kva	1,000
Output volts:	volts	480
Frequency:	hz	60
C.1.6 Emergency Shutdown		
Emergency shutdown switches for the complete power system (AC & DC), located at the following points:		Yes, Driller console, Port Forward Main Deck, Port and STBD for Emergency Generator
C.1.7 Compressed Air Systems		
Air compressors - Cold Start:		
Quantity:	no.	1 ea
Make:		LISTER
Model:		US4867
Rated capacity:	ft3/min	25.6
Working pressure:	psi	125
Prime mover (electric/diesel):		Both Electric & Diesel
Continuous power:	hp	10
Air compressors - Medium Pressure (rig	g air):	
Quantity:	no.	03
Make:		Sullair
Model:		LS-16 75H AC
Rated capacity:	ft3/min	350 cfm
Working pressure:	psi	125

SPECIFICATION		DESCRIPTIONS
Prime mover (electric/diesel):		Electric
Continuous power:	hp	100
Air dryers:		
Quantity:	no.	1
Make:		Silvin Industries / PHL-800
Rated capacity:	ft3/min	1050 cfm
Air compressors - Low Pressure (bulk	air):	
Quantity:	no.	1
Make:		Quincy
Model:		QSIP00ANN 3B
Rated capacity:	ft3/min	800
Working pressure:	psi	40
Prime mover (electric/diesel):		Electric
Continuous power:	hp	100
Air dryers:		
Quantity:	no.	1
Make:		Pioneer Air Systems Inc.
Rated capacity:	ft3/min	1,000 cfm
C.1.8 Air Receivers		
Volume (total):	usg	2,120 (2 TANKS @ 1060+1060 usg)
Pressure:	psi	130
Location:		Mechanical Workshop
Volume (total):	usg	1,060
Pressure:	psi	130
Location:		Rig Floor
Volume (total):	ft3	240
Pressure:	psi	130
Location:		Engine Room
C.2 EMERGENCY GENERATOR		
C.2.1 Engine		
Quantity:	no.	1
Make/type:		Caterpillar / D 399
Maximum output:	kw	1,200
At rotation speed:	rpm	1,800
Automatic starting:	, yes/no	Yes
Starting methods (air, hydraulic,, batt	•	Battery
Max. angle of operation:	degrees	15
<b>.</b> .	5	

SPECIFICATION		DESCRIPTIONS
C.2.2 AC - Generator		
Quantity:	no.	1
Make/type:		General electric
Maximum output:	amps	1,200
At rotation speed:	rpm	1,200 rpm
Output volts:	volts	480
Capable of back-feeding power to main b	us:yes/no	Yes
D. DRILLSTRING EQUIPMENT ( <u>Refer</u> Tubular & Subs List)	to Rig	
D.1 TUBULARS		
D.1.1 Kelly's		None
D.1.2 TDS Saver Subs		
Quantity:	no.	3
Connection type:		3 ½"IF Pin -7 5/8 Reg Pin
Protector:		Yes
Quantity:	no.	2
Connection type:		4 ½ IF Pin - 7 5/8Reg Pin
Protector:		Yes
D.1.3 Drill Pipe		
Drill pipe OD:	in	3 1/2
Grade:		S-135
Total length:	ft	9,000 ft (295 joints)
Range:		2
Weight:	lbs/ft	13.30
Internally plastic coated:	yes/no	No
Tool joint OD/ID:	in/in	4-3/4" / 2 1/8"
Tool joint pin length (original):	in	10
Tapered shoulder tool joints (box/pins): degree/degree		18/35
Connection type:		3 ½ IF
Hard facing:		Yes
API classification:		Regular
Thread protectors:	yes/no	Yes
Drill pipe OD:	in	5″
Grade:		G-105
Total length:	ft	9,000 ft (295 joints)
Range:	-	2

SPECIFICATION		DESCRIPTIONS
Weight:	lbs/ft	19.50
Internally plastic coated:	yes/no	No
Tool joint OD/ID:	in/in	6 <sup>5</sup> / <sub>8</sub> ′ / 3 ¼″
Tool joint pin length (original):	in	10"
Tapered shoulder tool joints (box/pins):		18/35
degree/degree		
Connection type:		4 ½ IF
Hard facing:		Yes
API classification:		Regular
Thread protectors:	yes/no	Yes
D.1.4 Drill Pipe Pup Joints		
Tool joint OD/ID:	in/in	4 ¾" / 2 ¼"
Grade:		S-135
Length:	ft	5 ft
Quantity:	no.	2
Length:	ft	10 ft
Quantity:	no.	2
Length:	ft	15 ft
Quantity:	no.	2
Weight:	lbs/ft	13.3
Connection type:	100,10	3-1/2" IF
Internally plastic coated:	yes/no	Yes
API Classification:	,,	Premium
Tool joint OD/ID	In/in	6 5/8" / 3"
Grade:	,	G-105
Length:	ft	Sft
Quantity:	no.	2
Length:	ft	- 10 ft
Quantity:	no.	2
Length:	ft	- 15 ft
Quantity	no.	2
Weight	lbs/ft	19.5
Connection Type		4-1/2" IF
Internally plastic coated:	yes/no	No
API Classification:		Premuim
Thread Protectors:	yes/no	Yes
D.1.5 Drill Pipe Casing Protectors		None

SPECIFICATION		DESCRIPTIONS
D.1.6 Heavy Weight Drill Pipe		
Quantity	joints	21
Nominal Size:	in	5″
Total length	ft	675 ft
Range		2
Weight	lbs/ft	50
Internally plastic coated	yes/no	No
Total OD/ID	in/in	6 5/8"
Total joint pin length (original)		3"
Tapered shoulder tool joints (box/pins)		18
Connection type		4 ½ IF
Hard facing	yes/no	Yes (ARNCO 300)
API classification		Premium
Thread Protectors		Yes
Quantity	joints	21
Nominal Size:	in	3 1/2"
Total length	ft	675 ft
Range		2
Weight	lbs/ft	32
Internally plastic coated	yes/no	No
Total OD/ID	in/in	2 1/16" / 4 3/4"
Total joint pin length (original)		24"
Tapered shoulder tool joints (box/pins)		Yes
Connection type		3 ½" IF
Hard facing	yes/no	Yes (ARNCO 300)
API classification		Premium
Thread Protectors		Yes
D.1.7 Drill Collars		
Quantity:	no.	6
OD body:	in	9-1/2"
ID body:	in	3″
Nominal length of each joint:	ft	31.5
Drill collar body (slick/spiral):		Spiral
Weight:	lb/ft	214.41
Recess for "zip" elevator:	yes/no	Yes
Recess for slips:	yes/no	Yes
Stress relief pin groove:	yes/no	Yes
Bore back on box:	yes/no	Yes
Connection type:		7-5/8" Reg.

SPECIFICATION		DESCRIPTIONS
Quantity:	no	9
OD body:	in	8 1/2"
ID body:	in	2-13/16"
Nominal length of each joint:	ft	31.5
Drill collar body (slick/spiral)		Spiral
Weight:	lb/ft	158.73
Recess for "zip" elevator:	yes/no	No
Recess for slips:	yes/no	Yes
Stress relief groove:	yes/no	Yes
Bore back on box:	yes/no	Yes
Connection type:		6-5/8" Reg
Quantity:	no.	15
OD body:	in	6-1/2"
ID body:	in	3-1/16"
Nominal length of each joint:	ft	31
Drill collar body (slick/spiral):		Spiral
Weight:	lb/ft	90.61
Recess for "zip" elevator:	yes/no	No
Recess for slips:	yes/no	Yes
Stress relief pin groove:	yes/no	Yes
Bore back on box:	yes/no	Yes
Connection type:	, .	4 ½" IF
Quantity:	no	18
OD body:	in	4-3/4"
ID body:	in	2-1/2"
Nominal length of each joint:	ft	31.5
Drill collar body (slick/spiral)		Spiral
Weight:	lb/ft	46.73
Recess for "zip" elevator:	yes/no	No
Recess for slips:	yes/no	Yes
Stress relief groove:	yes/no	Yes
Bore back on box:	yes/no	Yes
Connection type:	,,	3-1/2 IF
D1.8 Short Drill Collars		None
D.1.9 Non-Magnetic Drill Collars		None
D.1.10 Core Barrels		None
D.1.11 Stabilizers		
Quantity:	no.	None
OD size:	in	

SPECIFICATION		DESCRIPTIONS
ID size:	in	
Top connection type:		
Bottom connection type:		
D.1.12 Roller Reamers		None
D.1.13 Shock Absorbers		None
Jars		
Quantity:	no.	None
OD size:	in	
ID size:	in	
Top connection type:		
Bottom connection type:		
D.1.15 Inside BOP Valve (Gray Valve)		
Quantity:	no.	2
Make:		Grey Type
OD:	in	6 5/8 "
Min. ID:	in	2 1/4"
Connection type:		4 ½" IF Pin & Box
Working pressure:	psi	10000psi
Quantity:	no.	2
Make:		Grey Type
OD:	in	4 3/4"
Min. ID:	in	2"
Connection type:		3 ½″IF Pin & Box
Working pressure:	psi	10,000 psi
D.1.16 Fast Shut-Off Coupling		None
D.1.17 Circulation Head		
Quantity:	no.	3
Make/type:		-
Bottom connection type:		3 ½" IF
Top connection type:		2" WECO
Wire line Stripper:	yes/no	No
Working pressure:	psi	10,000
Quantity:	no.	2
Make/type:		-
Bottom connection type:		4 ½" IF
Top connection type:		2" WECO
Wire line Stripper:	yes/no	No
I I	, co, no	10,000

SPECIFICATION		DESCRIPTIONS
D.1.18 Kelly Cocks		None
D.1.19 Circulation Subs		None
D.1.20 Cup Type Testers		
Quantity:	no.	None
Make:		
D.1.21 Plug Type Testers		None
D.1.22 Drop-In Valves		None
D.1.23 Near Bit - Subs (Box-Box)		
Quantity:	no.	1
OD size:	in	4 5/8'
ID size:	in	2 ¼"
Top connection type:		3½ "IF
Bottom connection type:		3½ "IF
Bored for float valve:	yes/no	Yes
Quantity:	no.	1
OD size:	in	6 <sup>5</sup> / <sub>8</sub> "
ID size:	in	2 ¼"
Top connection:		4½″ IF
Bottom connection:		4½" REG
Bored for float valve:	yes/no	Yes
Quantity:	no.	1
OD size:	in	9 1/2"
ID size:	in	-
Top connection:		6 <sup>5</sup> / <sub>8</sub> " REG
Bottom connection:		7 <sup>5</sup> / <sub>8</sub> " REG
Bored for float valve.	Yes/no	Yes
D.1.24 Crossover Subs		
Quantity:	no.	1
OD size (max/min):	in/in	$6^{1}/2^{"}/4^{3}/4^{"}$
ID size:	in	3 1/2"
Top connection size: Type (pin/box):		3 ½" IF Pin
Bottom connection size: Type (pin/box):		3 ½" Reg Pin
Quantity:	no.	1
OD size (max/min):	in/in	5 1/2"
ID size:	in	2 <sup>7</sup> / <sub>8</sub> "
Top connection size: Type (pin/box):		3 ½" IF Pin

SPECIFICATION		DESCRIPTIONS
Bottom connection size: Type (pin/box):		4 ½" IF Pin
Quantity:	no.	2 (1 normal & 1 bottleneck)
OD size (max/min):	in	6 1/2" / 5 ½"
ID Size	in	2 ¼"
Top connection size: Type (pin/box):		4 ½" IF Pin
Bottom connection size: Type (pin/box):		4 ½" REG Pin
Quantity:	no.	1
OD size (max/min):	in/in	5″
ID size:	in	1 ½"
Top connection size: Type (pin/box):		3 <sup>1</sup> / <sub>2</sub> "IF Pin
Bottom connection size: Type (pin/box):		3 ½"REG Pin
Quantity	no	4 (2 normal & 2 bottleneck)
OD size (max/min)		9 1/8"
ID size		3 1/2"
Top connection size (pin/Box)		6 5/8 Reg Box
Bottom connection size(pin/box)		7 5/8 Reg Pin
Quantity	no	2
OD size (max/min)		6 ¼"
ID size		2 ¼"
Top connection size (pin/Box)		3 ½ IF Box
Bottom connection size(pin/box)		4 ½ IF Pin
Quantity	no	2 (bottleneck)
OD size (max/min)		8"
ID size		2 7/8"
Top connection size (pin/Box)		4 ½ IF Box
Bottom connection size(pin/box)		6 5/8 REG Pin
Quantity	no	1 (bottleneck)
OD size (max/min)		9 1/16"
ID size		2 13/16″
Top connection size (pin/Box)		4 IF Box
Bottom connection size(pin/box)		7 5/8 REG Pin
Quantity	no	2
OD size (max/min)		6 ½"
ID size		2 ¼"
Top connection size (pin/Box)		4 IF Box
Bottom connection size(pin/box)		3 ½ IF Pin
D.1.25 Drilling Bumper Subs		None
D.1.26 Hole Openers		None

SPECIFICATION		DESCRIPTIONS
D.1.27 Under reamer		None
D.2 HANDLING TOOLS		
D.2.1 Drill Pipe Elevators		
Size:	in	3 ½"
Quantity:	no.	2
Make:		VARCO
Model:		MGG
Rated capacity:	t	250 T
Size:	in	5 ″
Quantity:	no.	1
Make:		VARCO
Model:		GG
Rated capacity:	t	350
Size:	in	5 ″ & 3 ½″
Quantity:	no.	2
Make:		VARCO
Model:		Single Joint
Rated capacity:	t	5
D.2.2 Drill Collar Elevators		None
D.2.3 Tubing Elevators		None
D.2.4 Drill Pipe Hand Slips		
Size:	in	3 1/2"
Quantity:	no.	2
Make/type:		Varco / SDML
Size:	in	5″
Quantity:	no.	2
Make/type:		Varco / SDXL
D.2.5 Semi-Automatic DP Slips		None
D.2.6 Drill Collar Slips		
Size:	in	4 ¾" (7 segments)
Quantity:	no.	2
Make/Type		– Varco/BJ

SPECIFICATION		DESCRIPTIONS
Size		6 ½" (9 segments)
Quantity		2
Make/Type		Varco/BJ
Size:	in	8 ½ (11 segments)
Quantity:	no.	2
Make/type:		Varco/BJ
Size		9 ½ "(12 segments)
Quantity	no	1
Make/Type		Varco/BJ
Range:	in/in	(Fits Drill Collar Sizes 4 ¾" to 11 ½")
Quantity:	no.	3
Make/Type		Varco/BJ
D.2.8 Tubing Slips		None
D.2.9 Tubing Spider elevator		None
D.2.10 Lifting Subs		
Quantity:	no.	9
For DC OD:	in	4 ¾"
Connection Type:		3 ½" IF Pin
Quantity:	no.	5
For DC OD:	in	6 ½"
Connection Type:		4 ½" IF Pin
Quantity:	no.	6
For DC OD:	in	8 1/2
Connection Type:		6 5/8″ Reg pin
Quantity:	no.	3
For DC OD:	in	9 ½"
Connection Type:		7 5/8" Reg pin
D.2.11 DC Lifting Plugs		None
D.2.12 Bit Breakers		
Quantity:	no.	2 ea
For bit size:	in	5-7/8"
Quantity:	no.	2 ea

SPECIFICATION		DESCRIPTIONS
For bit size:	in	8-1/2"
Quantity	no	1
For bit size:	in	12-1/4"
Quantity:	no.	1
For bit size:	in	17-1/2"
Quantity:	no.	1
For bit size:	in	26"
D.2.13 Elevator Links		
Quantity of sets:	no.	1 set
Make/type:	10.	Varco
Size:	in	3 ½"
Length:	ft	22
Rated capacity:	st	500 T
Rated capacity.	SL	5001
Quantity of sets:	no.	1 set
Make/type:		Varco
Size:	in	2 ¾"
Length:	ft	12
Rated capacity:	st	350 T
D.2.14 Kelly Spinner		None
D.2.15 Drill pipe Spinner		
Make/type:		Varco / SSW-40
Size (max/min):	in/in	2 <sup>7</sup> / <sub>8</sub> "-9 ½"
D.2.16 Mud Saver Bucket		1
Make:		Mud Bucket / KELLY KAN
Size:	in	3 ½" & 5"
D.2.17 Hydraulic Make-Up/Break	out Machina (a a	
EZ Torque)	sat machine (c.g.	
Make/type:		Drilco / E-Z Torque Type D
Maximum line pull:	ft/lbs	90,000 ft lbs
D.2.18 Rotary Rig Tongs		
Quantity (sets):	no.	1 ea
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SPECIFICATION		DESCRIPTIONS
Make/type:		BJ/HT-100
Size range (max OD/min OD):		4" – 15"
in/in		
Torque rating:	ft-lbs	100,000
Quantity (sets):	no.	1 ea
Make/type:		Varco/BJ HT-65
Size range (max OD/min OD):		3 ½" – 14"
in/in		
Torque rating:	ft/lbs	65,000
D.2.19 Tubing Tongs (manual)		None
D.2.20 Tubing Tong Power		None
D.2.21 Iron Roughneck		None
D.3 FISHING EQUIPMENT		
D.3.1 Overshots		
Quantity:	no.	1
Make/type:		Bowen
Overshot OD:	in	12 3/4"
Grapples (spiral, basket, both):		Both
Pack offs:	yes/no	-
Top sub connection type:	•	6 5/8 Reg
Quantity:	no.	1
Make/type:		Bowen
Overshot OD:	in	11 ¼"
Grapples (spiral, basket, both):		Both
Pack offs:	yes/no	-
Top sub connection type:		6 5/8 Reg
Quantity:	no.	1
Make/type:		Bowen
Overshot OD:	in	10 1/8"
Grapples (spiral, basket, both):		Both
Pack offs:	yes/no	-
Top sub connection type:		6 5/8 Reg
Quantity:	no.	1
Make/type:		Bowen
Overshot OD:	in	8 3/8"
Grapples (spiral, basket, both):		Both
Pack offs:	yes/no	-

SPECIFICATION		DESCRIPTIONS
Top sub connection type:		4 ½" IF Reg
Quantity:	no.	1
Make/type:		Bowen
Overshot OD:	in	7 3/4"
Grapples (spiral, basket, both):	,	Both
	yes/no	-
Top sub connection type:		4 ½ IF
Quantity:	no.	1
Make/type:		Bowen Series 150
Overshot OD:	in	5 ¾
Grapples (spiral, basket, both):		Both
Pack offs:	yes/no	No
Top sub connection type:		3 ½" IF
D.3.2 Fishing Jar (mechanical)		
Quantity:	no.	2
OD size (max/min):	in/in	6 <sup>3</sup> / <sub>4</sub> "
ID size:	in	$2^{3}/8''$
Top connection size: Type (pin/box):		4 <sup>1</sup> / <sub>2</sub> ″IF Box
Bottom connection size: Type (pin/box):		4 ½"IF Pin
Quantity:	no.	1
OD size (max/min):	in/in	8″
ID size:	in	3 1/8"
Top connection size: Type (pin/box):		6 5/8" Reg
Bottom connection size: Type (pin/box):		6 5/8" Reg
D.3.3 Jar Intensifier		None
D.3.4 Surface Jar		None
D.3.5 Fishing Bumper Subs		None
D.3.6 Safety Joints		None
D.3.7 Junk Baskets (Reverse Circulation)		None
D.3.8 Junk Subs		
Quantity:	no.	1
Make/Type:		ITS
For Hole Size:		12 ¼"
OD Body:	in	10 ¾"
Connection Type:	in	7 5/8" REG

SPECIFICATION		DESCRIPTIONS
Quantity:	no.	1
Make/Type:		ITS
For Hole Size:		8 1⁄2″
OD Body:	in	6 ½"
Connection Type:	in	4 1/2" REG
Quantity:	no.	1
Make/Type:		ITS
For Hole Size:		12 ¼"
OD Body:	in	10 ¾"
Connection Type:	in	3 1/2" REG
D.3.9 Flat Bottom Junk Mill		
Quantity:	no.	1
Make/Type:		Bowen
OD Flat Mill:	in	11″
Connection Type:	in	6 5/8" REG
Quantity:	no.	1
Make/Type:		Bowen
OD Flat Mill:	in	8 3/8"
Connection Type:	in	4 1/2" REG
Quantity:	no.	1
Make/Type:		Bowen
OD Flat Mill:	in	5 3/4"
Connection Type:	in	3 1/2" REG
D.3.10 Magnet Fishing Tools		
Make/Type:		1
For Hole Size:		Bowen
OD Body:	in	10"
Connection Type:	in	6 5/8" REG
Make/Type:		1
For Hole Size:		Bowen
OD Body:	in	7″
Connection Type:	in	4 1/2" REG
D.3.11 Ditch Magnet In Flow Channel	no	None
Quantity:	no.	1
Make:		Bowen
Tap OD (max/min):	in/in	4 ½" / 2 ¼"

SPECIFICATION		DESCRIPTIONS
OD Body:	in	8 1⁄2"
Length Overall:	in	2.85'
Connection Type:	in	6 5/8" Reg
Quantity:	no.	1
Make:		Bowen
Tap OD (max/min):	in/in	4 ½" / 2 ¼"
OD Body:	in	6 1/2"
Length Overall:	in	.6′
Connection Type:	in	4 ½" IF
D.3.12 Die Collars		None
D.3.13 Taper Taps	no	None
E. WELL CONTROL		
E.1 DIVERTER		None
E.1.1 Diverter Flow Lines		No
E.1.2 Diverter Control Panel		Yes
E.2 LOW PRESSURE BLOWOUT PREVENTERS		21 ¼" AXON Double (Type "U")
All appropriate components H2S rated yes/no		Yes
E.2.1 Annular Preventers		
Quantity:		1
Make/Type:		AXON / Hydrill Type
Size:		21 ¼"
Working Pressure:		2,000
Bottom Connection:		Flanged-RX-73
Top Connection:		Flanged-RX-73
Stack Saver		Flanged-RX-73
E.2.2 Available Rams (installed & spare)		
Upper		5" Fixed Pipe
Lower		BSR

SPECIFICATION		DESCRIPTIONS
E.2.3 BOP Ram Configuration		
		1
Quantity		AXON / Type "U"
Make/Model		Double
Туре		21 ¼"
Size		2000
Working Pressure		Yes
Ram Locks		Hydraulic
Type (manual/hydraulic)		Yes
H2s Service		4 ea.
Side Outlets		4 1/16"
Size		5000
WP		RX-39
Bottom Connection		RX-39
Top Connection		Yes
Shear Ram Booster		
E. 2.4 Kill Line Valves		
Quantity:	no.	2
Make/type:	110.	AXON
Size:	in	4 <sup>1</sup> / <sub>16</sub> "
Working pressure:	psi	10,000
Gasket type:	psi	BX-155
Hydraulic/manual:		1EA Hydraulic / 1EA Manual
E.2.5 Choke Line Valves		
Quantity:	no.	2
Make/type:		AXON
Size:	in	4 <sup>1</sup> / <sub>16</sub> "
Working pressure:	psi	10,000
Gasket type:		BX-155
Hydraulic/manual:		1EA Hydraulic / 1EA Manual
E.3 HIGH PRESSURE BLOWOUT PREV	VENTERS	13 5/8" Cameron Single & Double (Type "U")
All appropriate components H2S rated:	yes/no	Yes
E.3.1 Ram Type Preventers		
Quantity:	no.	1
Make/model:		Cameron / Type "U"
Type (single/double/		Single
Size:	in	13 <sup>5</sup> /8"
Working pressure:	psi	10000
Ram locks:	yes/no	Yes
	yc3/110	100

SPECIFICATION	J	DESCRIPTIONS
Type (manual/hydraulic):		Hydraulic
H2S service:	yes/no	Yes
Side outlets:	no.	2 ea.
Size:	in	4 <sup>1</sup> / <sub>16</sub> "
WP:	psi	10000
Bottom connection:		13 <sup>5</sup> / <sub>8</sub> " Flanged 10000 psi BX 159
Top connection:		13 <sup>5</sup> / <sub>8</sub> " Flanged 10000 psi BX 159
Shear ram boosters:	yes/no	Yes
Quantity:	no.	1
Make/model:		AXON / Type "U"
Type (single/double/triple):		Double
Size:	in	13 <sup>5</sup> /8"
Working pressure:	psi	10000
Ram locks:	yes/no	Yes
Type (manual/hydraulic):		Hydraulic
H2S service:	yes/no	Yes
Side outlets:	no.	4 ea.
Size:	in	4 <sup>1</sup> / <sub>16</sub> "
WP:	psi	10000
Bottom connection:		BX-159
Top connection:		BX-160
E.3.3 BOP Ram Configuration - 13 Upper: Upper middle: Lower:	-578	2 7/8-5" VBR Blind Ram Fixed Bing rame (2 5/5/7/9 5/9)
E.3.4 Annular Preventer		Fixed Pipe rams (3.5/5/7/9 5/8)
Quantity:		
-	no	1
Wake/type.	no.	1 AXON / Hydrill Type
Make/type: Size:		AXON / Hydrill Type
Size:	in	AXON / Hydrill Type 13 <sup>5</sup> / <sub>8</sub> "
Size: Working pressure:		AXON / Hydrill Type 13 <sup>5</sup> / <sub>8</sub> " 5,000
Size: Working pressure: Bottom connection:	in	AXON / Hydrill Type 13 <sup>5</sup> / <sub>8</sub> " 5,000 Flanged-BX-159
Size: Working pressure: Bottom connection: Top connection:	in	AXON / Hydrill Type 13 <sup>5</sup> / <sub>8</sub> " 5,000 Flanged-BX-159 Flanged -BX-160
Size: Working pressure: Bottom connection:	in	AXON / Hydrill Type 13 <sup>5</sup> / <sub>8</sub> " 5,000 Flanged-BX-159
Size: Working pressure: Bottom connection: Top connection:	in	AXON / Hydrill Type 13 <sup>5</sup> / <sub>8</sub> " 5,000 Flanged-BX-159 Flanged -BX-160
Size: Working pressure: Bottom connection: Top connection: Stack Saver	in	AXON / Hydrill Type 13 <sup>5</sup> / <sub>8</sub> " 5,000 Flanged-BX-159 Flanged -BX-160
Size: Working pressure: Bottom connection: Top connection: Stack Saver E.3.5 Kill Line Valves	in psi	AXON / Hydrill Type 13 <sup>5</sup> / <sub>8</sub> " 5,000 Flanged-BX-159 Flanged -BX-160 Installed flange BX-160
Size: Working pressure: Bottom connection: Top connection: Stack Saver E.3.5 Kill Line Valves Quantity:	in psi	AXON / Hydrill Type 13 <sup>5</sup> / <sub>8</sub> " 5,000 Flanged-BX-159 Flanged -BX-160 Installed flange BX-160
Size: Working pressure: Bottom connection: Top connection: Stack Saver E.3.5 Kill Line Valves Quantity: Make/type:	in psi no.	AXON / Hydrill Type 13 <sup>5</sup> / <sub>8</sub> " 5,000 Flanged-BX-159 Flanged -BX-160 Installed flange BX-160 2 AXON / FLS & FC Type
Size: Working pressure: Bottom connection: Top connection: Stack Saver E.3.5 Kill Line Valves Quantity: Make/type: Size:	in psi no. in	AXON / Hydrill Type 13 <sup>5</sup> / <sub>8</sub> " 5,000 Flanged-BX-159 Flanged -BX-160 Installed flange BX-160 2 AXON / FLS & FC Type 3 <sup>1</sup> / <sub>16</sub> "

SPECIFICATION		DESCRIPTIONS
E.3.6 Choke Line Valves		
Quantity:	no.	2
Make/type:		AXON / FLS & FC Type
Size:	in	3 <sup>1</sup> / <sub>16</sub> "
Working pressure:	psi	10000
Gasket type:		BX-154
Hydraulic/manual/non-return:		1EA Hydraulic / 1EA Manual
E.4 OTHER BLOWOUT PREVENTERS	5	
E.5 BOP CONTROL SYSTEM		
E.5.1 Accumulator Unit		
Make/model:		AXON / T310EA1136BR.450
Location:		Under cantilever beam
Fluid reservoir capacity:	gal	450 USG
Oil/water mix. rate:	gals/min	Hyd oil.
Glycol reservoir capacity:	gal	-
Total accumulator capacity(w/o pre-cha	-	360
System working pressure:	psi	3,000
Control manifold model:	·	T3DP10APLJB22
Total useful accumulator volume	equals all	
preventer opening and closing volun	nes:yes/no	Yes
plus percent additional volume:	%	-
E.5.2 Accumulator Hydraulic Pumps		
Electric Driven:		Yes
Quantity:	no.	2
Make/model:		Union Pump Company & NOV Bear / TD30 & BD-30M
Each driven by motor of power:	hp	30 & 25
Flow rate of each pump:	gall/min	14.02
At operating pressure:	psi	3597
Operable off emergency generator:	yes/no	Yes
Air Driven:		Yes
Quantity:	no.	4
Make/model:		Super 60
Flow rate of each pump:	gals/min	-
AT operating pressure:	psi	200
E.5.3 Primary Control Panel		

SPECIFICATION		DESCRIPTIONS
Control panel make/model:		
Location:		Under cantilever
Panel controls for the following functions	5:	
All annular BOP's:	yes/no	Yes
All ram BOP's:	yes/no	Yes
Lock for ram BOP's:	yes/no	Yes
Diverter system:	yes/no	Yes
Kill and choke line valves:	yes/no	Yes
Low accumulator pressure warning:	yes/no	Yes
Low reservoir level warning:	yes/no	Yes
Low rig air pressure warning:	yes/no	Yes
System pressure regulator:	yes/no	Yes
Pressure regulator for annular:	yes/no	Yes
Flowmeter:	yes/no	No
Quantity of pressure gauges:	no.	3 (accumulator, manifold & annular)
Other control functions:	yes/no	Spare
E.5.4 Remote Control Panels		
Make/model:		AXON - TE TP 10 G PL JB 22 & TE DP 10 G PL JB 22
Location:		Driller – AXON - TE DP 10 G PL JB 22
Location:		Tool Pusher - AXON - TE TP 10 G PL JB 22
Ability to operate main closing unit:		
valves directly:	yes/no	Yes
System routing (direct or through panel):		
Remote control of - system pressure regu	ulator:	Yes
yes/no		
Remote control of - annular pressure regulator: yes/no		Yes
E.6 CHOKE MANIFOLD		
All appropriate components H2S rated	yes/no	Yes
E.6.1 Choke Manifold (for instrumenta H.3)	tion, See	
Nominal size:	in	3 1/16"
Minimum ID:	in	3 1/16"
Maximum WP:	psi	10,000 psi
Quantity of fixed chokes:	no.	4 (2 Hydraulic +2 Manual)
Quantity of adjustable chokes:	no.	2
Make/model:		AXON / Manual Choke 3-1/16″ gate
Wake/model.		

SPECIFICATION		DESCRIPTIONS
Quantity of power chokes: Make/model:	no.	2 ea AXON / Parveen Style Hydraulic Choke 3-1/16" gate
Size (ID):	in	3 1/16″
Power choke remote control panel: Make/model: Location:	yes/no	Yes Swaco Super Choke Control Panel Driller's Cabin
Glycol injection:	yes/no	Νο
E.7 FLEXIBLE CHOKE & KILL LINES (BOP to MANIFOLD)		
Quantity:	no.	2 (1 kill & 1 choke)
Make/type:		Phoenix Rubber / Coeflex
ID:	in	3 1/16"
Working pressure:	psi	10,000
H2S service:	yes/no	Yes
E.8 FLEXIBLE BOP CONTROL HOSES		
Quantity:	no.	14 (12 x 1" +2 x 1 ¼")
Make/type:	• -	Coflex
ID:	in	1
Working pressure: Fire resistant:	psi voc/no	3,000
	yes/no	Yes
E.9 BOP TESTING EQUIPMENT		
E.9.1 Hydraulic BOP Test Pump		
Make/model:		STEWART & STEVENSON
Туре:		SS 200000
Pressure rating:	psi	15000
Chart recorder:	yes/no	Yes
E.9.2 BOP Test Stump		
Size:	in	13 5/8″ 10K
Size:	in	21 ¼" 2K
E.10 BOP HANDLING		Yes
E.10.1 BOP Hoist System		

SPECIFICATION		DESCRIPTIONS
Make/type:		Ingersoll-Rand
Quantity of hoists:	no.	2
Number of lift point on BOP:	no.	2
System safe working load (max BOP wt)	: т	27.5
E.10.2 Work Platforms		
BOP work platform (adjustable/fixed/no	one):	Νο
yes/no Conductor pipe platform:	yes/no	Yes
E.10.3 Conductor Pipe Tensioning Syst	em	None
F. MUD SYSTEM/BULK SYSTEM		
F.1 HIGH PRESSURE MUD SYSTEM		
System working processo	nci	5000
System working pressure:	psi	7500
System test pressure:	psi	7500
F.1.1 Mud Pumps		
Quantity:	no.	3
Make:		Continental EMSCO
Model:		FB1600
Type: (Triplex/Duplex):		Triplex
Liner sizes available:	in	7", 6 ½", 6", 5½", 5"
Mud pump drive motors/pump:	no.	2
Motor type:		D-79
Continuous power rating per motor:	hp	800 hp
Fluid end type:		Silicate resistant
Maximum working pressure:	psi	5000 psi
Test pressure:	psi	7500 psi.
Pump stroke counter type:		Limit Switch
Supercharging pump:		6 x 8 x 14 mission magnum
Driven by motor of power:	hp	75 hp
Discharge/Suction line ID:	in/in	8″ x 6″
Mud pump pulsation dampener type:		1EA X Mattco / 2EA X EMSCO
Reset Relief Valve type:	_	Retsco 3" type C
Working flow rate per pump (not to exc eff.):	eed 85%	458 gpm
Liner size:	in	6"
Pump speed:	spm	110
Pump pressure:	, psi	4665
	S. gal/min	485
F 1 2 Tropofor Durano (Mining Durano		
F.1.2 Transfer Pumps/Mixing Pumps		

SPECIFICATION		DESCRIPTIONS
Mixing / Transfer Pumps		
Quantity:	no.	2
Make/model:	110.	mission magnum
Type/Size		8 x 6 x 14
Output Capacity:	anm	800
	gpm	Electric
Drive motor type:	ha	
Power output:	hp	100 hp
F.1.3 Booster / Charging Pump		
Quantity:	no.	3
Make/Mode:		mission magnum
Type/Size		8 x 6 x 14
Capacity (each):	gals/min	800
Drive motor type:	0,	Electric
Power output:	hp	75 hp
i ower output.		, s np
F.1.4 Standpipe Manifold		
Quantity of standpipes:	no.	2
Standpipe/ID:	in	3 1/16" 10K X 5 1/8" 10k
H-Type standpipe manifold:	yes/no	Yes
Kill line outlet:	yes/no	Yes
Fill-up line outlet:	yes/no	Yes
Bleed-off line outlet:	yes/no	Yes
F. 1.5 Rotary Hoses (mud hoses)		
Quantity:	no.	2
Make/type:	110.	Copper State
ID x length:	in x ft	3 ½ X 75'
Working pressure:	psi	5,000
Snubbing lines:	•	
Shubbing lines:	yes/no	Yes
F.1.6 Cementing Hose		
Quantity:	no.	1
Type (armor sheath/flexible steel pipe):	:	Rubber
Length:	ft	60
ID:	in	2
Working pressure:	psi	10,000
F.1.7 High Pressure Flexible Steel Pip	e	None
F.2 LOW PRESSURE MUD SYSTEM		

SPECIFICATION		DESCRIPTIONS
F.2.1 Mud Processing Tank		
Shaker tanks, (sand trap) usable volume	: bbl	4 tks (58+38+35+28+8) 159 (out of 167) bbls useable
Agitated:	yes/no	no
F.2.2 Mud Tanks		
Quantity:	no.	4
Total capacity (usable):	bbl	1756
Usable capacity No. 1:	bbl	400.71
Type (active/reserve):		Active
Height:	ft	10.0
Mixer:	yes/no	Yes
Mud guns:	yes/no	Yes
Usable capacity No. 2:	bbl	399.89
Type (active/reserve):		Active
Height:ft		10.0
Mixer:		Yes
yes/no		
Mud guns:	yes/no	Yes
Usable capacity No. 3:	bbl	400.71
Type (active/reserve):		Active
Height:	ft	10.0
Mixer:		Yes
yes/no		
Mud guns:	yes/no	Yes
Usable capacity No. 4:	bbl	399.89
Type (active/reserve):		Active
Height:	ft	10.0
F.2.3 Pill/Slug Tank		
Capacity (usable):	bbl	156 (140 bbb usable)
Mud agitator:	yes/no	Yes
Mud guns:	yes/no	Yes
F.2.4 Trip/Stripping Tanks		
Quanitity	no.	2
Capacity (usable):	bbl	20
Level indicator:	yes/no	Yes
Electric pump make:		
Model/type:		Mission 3"x 2"x 13" impeller

SPECIFICATION		DESCRIPTIONS
Facility for casing fill-up:	yes/no	Yes
Alarm and strip chart recorder:	yes/no	Yes
F.2.5 Chemical Mixing Tank		
Capacity (usable):	bbl	-
F.2.6 Shale Shakers		
Primary:		
Quantity:	no.	4
Make/model:		Derrick / Flo-Line Cleaner 514
Туре:		Linear Motion Shakers.
F.2.7 Desander		None
F.2.8 Desilter		
Quantity:	no.	1 (4 <sup>th</sup> Shale Shaker)
Make/model:		Derrick / Flo-Line Cleaner 514
Туре:		Stand Alone Circular Desilter
Number of cones x size:	no. x in	20 x 4"
Centrifugal pump type:		Mission Magnum
Centrifugal pump size:	in x in	6″x 8″x 11 ½″
Driven by electric motor of:	hp	100
Is pump dedicated to desilter:	yes/no	Yes
F.2.9 Mud Cleaner (Refer to F.2.8)		Yes
F.2.10 Mud/Gas Separator (Poor Bo	y)	
Make/type:		Tech International / Noble Specifications
Dimensions (height x OD):	ft x in	17 x 48
Gas discharge line ID:	in	8″
Gas discharge location, primary:		Above Crown
Can discharge be tied into burner syst	tem: yes/no	Yes
Vacuum breaker:	yes/no	Yes
Mud seal height:	ft	11'
Pressure gauge:	yes/no	Yes
F.2.11 Degasser		
Make/type:		NOV / DG Series
Nominal flow rate:	Bbl/min	28.5 Bbl/min
Feed pump make/model:		
Type/size:		Mission / Magnum 1
Capacity:	gpm	1000gpm

SPECIFICATION		DESCRIPTIONS
Drive motor hp:	hp	75hp
Is pump dedicated to degasser:	yes/no	Yes
Vacuum Pump Make Type:		5HP
F.2.12 Mud Agitators		
Quantity:	no.	5
Make/model:		Lightning / 740
Driven by motor of power:	hp	(4 x 15 hp + 1 x 5hp slug)
Located in tanks:	ations)	4 + Slug pit
(see F.2.1 and F.2.2 for tank designation of the second	ations)	
F.2.13 Mud Centrifuge		None
F.2.14 Mud Laboratory And Facilities	;	None
F.3 BULK SYSTEM		
F.3.1 Barite/Bentonite Silos		
Quantity:	no.	2 ea
Capacity of each silo:	ft3	1950 Ea.
Locations:		Behind of PORT leg on Main deck.
Type weight load cell:		Yes
Manufacturer:		Martin Decker
Pressure rating:	psi	40
Relief valve(s) installed:	yes/no	Yes
F.3.2 Cement Silos		
Quantity:	no.	2 ea
Capacity of each silo:	ft3	1725 Ea.
Locations:		STBD Leg on Main deck.
Type weight load cell:		Yes
Manufacturer:		Martin Decker
Pressure rating:	psi	40
Relief valve(s) installed:	yes/no	Yes
F.3.3 Surge Tank For Barite/Bentonite	2	
Quantity:	no.	1 ea
Capacity of each tank:	ft3	70
Type weight load cell:		Yes
Manufacturer:		Martin Decker
Pressure rating:	psi	40
Relief valve(s) installed:	yes/no	Yes

SPECIFICATION		DESCRIPTIONS
F.3.4 Mud Hopper		
Quantity:	no.	1
Make/model:		Demco / 612-B
Feed pump make/model:		Mission
Type/size:		6 x 8 x 14
Capacity:	bbl/min	13.62 BPM
Drive motor hp:	hp	100
Is feed pump dedicated to mud hopp	per(s): yes/no	No
F.3.5 Shear Jet		None
F.3.6 Surge Tank For Cement		Provided by Operator
Quantity:	no.	-
Capacity of each tank:	ft3	
Type weight load cell:		
Manufacturer:		
Pressure rating:	psi	
Relief valve(s) installed:	yes/no	
F.3.7 Bulk Transfer System (see also C.1.7 - Compressed Air Systems) Independent air system for the silos and surge tanks		
consisting of a high-volume low-p	-	
compressor and air drier: yes/no		Yes
Air reduced from main air supply thr	•	
regulators:	yes/no	No
Separate volume tank and drier:	yes/no	Yes
G. CASING/CEMENTING EC	QUIPMENT	
G.1 CASING EQUIPMENT		
G.1.1 Drive Hammer		None
G.1.2 API Casing Drifts		None
G.1.3 Clamp-On Casing Thread Prote	ectors	None
G.1.4 Side Door Casing Elevator		None
G.1.5 Single Joint Casing Elevators		None
G.1.6 Slip Type Elevator/Spiders		None

SPECIFICATION	DESCRIPTIONS
G.1.7 Casing Slips	None
G.1.8 Casing Bowls	None
G.1.9 Manual Casing Tongs	None
G.1.10 Power Casing Tongs	None
G.1.11 Power Unit For Casing & Tubing Tongs	None
G.1.12 Casing Circulating Head (Swedge)	None
G.1.13 Casing Spears (Internal)	None
G.1.14 Casing Cutters (Internal)	None
G.1.15 Crossover to Handle Casing with Drill Pipe	None
G.1.16 Casing Scrapers	None
G.2 CEMENTING EQUIPMENT	
G.2.1 Cement Unit	Provided by Operator
G.2.2 Cementing Manifold	None
Discharge manifold working pressure: psi Cement pump discharge lines min. ID: in Cement pump discharge lines working pressure:psi Manifold safety pressure relief valve: yes/no	
G.2.3 Cementing Standpipe	
Quantity:no.Working pressure:psiID:inConnection to choke manifold:psiConnection to standpipe manifold:yes/no	1 10000 3″x 3″ 10,000 Yes
G.2.4 Cementing Kelly	None
G.2.5 Cementing Tubing	None
H. INSTRUMENTATION/COMMUNICATION	

H.1.2Standpipe Pressure GaugesYesQuantity:no.1Make/type:no.1Make/type:no.1Cameron10,000Quantity:no.1Make/type:no.1Make/type:no.1Make/type:no.2Make/type:no.2Make/type:no.2Make/type:no.1Make/type:no.1Make/type:no.1Make/type:no.1Make/type:no.1Make/type:no.1Make/type:no.1Quantity:no.1Make/type:no.1Make/type:no.1Quantity:no.2Make/type:no.2Quantity:no.2Make/type:no.2Make/type:no.2Make/type:no.350H.1.4RotometerYesMake/type:ft-lbs350H.1.4.2Torque IndicatorYesMake/type:ft-lbsRoss HillMake/type:ft-lbsRoss HillMake/type:ft-lbsRoss HillMake/type:ft-lbsKesMake/type:ft-lbsRoss HillMakimum torque:ft-lbsKesH.1.5Top Drive InstrumentationYesH.1.5Make/type:NOV BJ	SPECIFICATION		DESCRIPTIONS
H.1. Weight Indicator Make/Type: Sensor type:Martin Decker / Type E E-80H.1.2 Standpipe Pressure GaugesYesQuantity:no.Make/type:1 Swaco 10,000Quantity:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:no.Make/type:yesMake/type:yesMake/type:no.Make/type:good paiMake/type:yesMake/type:no.Make/type:no.Make/type:yesMake/type:yesMake/type:no.Make/type:no.	H.1 DRILLING INSTRUMENTATION AT DRILLER'S		
Make/Type: Sensor type:Martin Decker / Type E E-80H.1.2 Standpipe Pressure GaugesYesQuantity: Make/type: Maximum pressure reading:no. I Swaco 10,000Quantity: Make/type: Maximum pressure reading:no. I Cameron 10,000Quantity: Make/type: Maximum pressure reading:no. I Cameron 10,000Quantity: Make/type: Maximum pressure reading: Make/type: Maximum pressure reading: Maximum pressure reading: Psi1 Cameron 10,000Quantity: Make/type: Maximum pressure reading: Maximum pressure reading: PsiYesQuantity: Make/type: Make/type: Maximum pressure reading: Psino. Swaco 10000Quantity: Make/type: Makimum pressure reading: Psi1 Swaco 10000 psiQuantity: Make/type: Makimum pressure reading: Psino. Swaco 10000 psiQuantity: Make/type: Makimum torque: H.1.4 Tachometer Make/type: Maximum torque: Make/type: Maximum torque: H.1.5 Top Drive Instrumentation H.1.5 Top Drive InstrumentationYesMake/type: Maximum torque:YesMake/type: Maximum torque:YesMake/type: Maximum torque:YesMake/type: Maximum torque:YesMake/ty	POSITION		
Make/Type: Sensor type:Martin Decker / Type E E-80H.1.2 Standpipe Pressure GaugesYesQuantity: Make/type: Maximum pressure reading:no. I Swaco 10,000Quantity: Make/type: Maximum pressure reading:no. I Cameron 10,000Quantity: Make/type: Maximum pressure reading:no. I Cameron 10,000Quantity: Make/type: Maximum pressure reading: Make/type: Maximum pressure reading: Maximum pressure reading: Psi1 Cameron 10,000Quantity: Make/type: Maximum pressure reading: Maximum pressure reading: PsiYesQuantity: Make/type: Make/type: Maximum pressure reading: Psino. Swaco 10000Quantity: Make/type: Makimum pressure reading: Psi1 Swaco 10000 psiQuantity: Make/type: Makimum pressure reading: Psino. Swaco 10000 psiQuantity: Make/type: Makimum torque: H.1.4 Tachometer Make/type: Maximum torque: Make/type: Maximum torque: H.1.5 Top Drive Instrumentation H.1.5 Top Drive InstrumentationYesMake/type: Maximum torque:YesMake/type: Maximum torque:YesMake/type: Maximum torque:YesMake/type: Maximum torque:YesMake/ty	H.1.1. Weight Indicator		
Sensor type:     E-80       H.1.2 Standpipe Pressure Gauges     Yes       Quantity:     no.     1       Make/type:     no.     2       Make/type:     no.     2       Make/type:     no.     1       Quantity:     no.     1       Make/type:     no.     1       Quantity:     no.     1       Make/type:     no.     2       Make/type:     no.     1       Make/type:     no.     2       Make/type:     no.     2       Make/type:     gameon     10000 psi       H.1.4. Tochmeter     Yes       Make/type:     gameon       Make/type:     gameon       M	-		Martin Decker / Type E
Quantity:no.1Make/type:no.1Make/type:no.1Make/type:no.1Make/type:no.2Make/type:no.2Make/type:no.1Make/type:no.2Make/type:no.1Make/type:no.1Make/type:no.1Make/type:no.1Make/type:no.1Make/type:no.1Make/type:no.1Make/type:no.1Make/type:no.1Make/type:no.1Quantity:no.1Make/type:no.2Quantity:no.2Make/type:no.2Make/type:no.2Make/type:no.2Make/type:no.2Make/type:psi10000 psiH.1.4 TochometerYesMake/type:350Makimum torque:ft-lbsMake/type:Ross HillMake/type:2000 AmpsH.1.5 Top Drive InstrumentationYesH.1.5 Top Drive InstrumentationYesH.1.5 TachometerYesMake/type:NOV BJ	Sensor type:		
Make/type:SwacoMaximum pressure reading:psi10,000Quantity:no.1Make/type:psi10,000Quantity:no.2Make/type:mo.2Make/type:psi10000H.1.3 Choke Manifold Pressure GaugesYesQuantity:no.1Make/type:no.1Make/type:no.1Make/type:no.2Make/type:no.2Make/type:no.2Make/type:no.2Make/type:no.2Make/type:ft-lbs350H.1.4 Torque IndicatorYesMake/type:ft-lbsSoss HillMake/type:ft-lbsRoss HillMake/type:ft-lbsNov BJ	H.1.2 Standpipe Pressure Gauges		Yes
Make/type:SwacoMaximum pressure reading:psi10,000Quantity:no.1Make/type:psi10,000Quantity:no.2Make/type:mo.2Make/type:psi10000H.1.3 Choke Manifold Pressure GaugesYesQuantity:no.1Make/type:no.1Make/type:no.1Make/type:no.2Make/type:no.2Make/type:no.2Make/type:no.2Make/type:no.2Make/type:ft-lbs350H.1.4 Torque IndicatorYesMake/type:ft-lbsSoss HillMake/type:ft-lbsRoss HillMake/type:ft-lbsNov BJ	Questitu		1
Maximum pressure reading:psi10,000Quantity:no.1Make/type:no.2Maximum pressure reading:psi10,000Quantity:no.2Make/type:no.10000Maximum pressure reading:psi10000H.1.3 Choke Manifold Pressure GaugesYesQuantity:no.1Make/type:no.1Make/type:no.1Make/type:no.1Make/type:no.1Make/type:no.2Quantity:no.2Quantity:no.2Make/type:no.2Make/type:no.2Make/type:no.2Make/type:no.10000 psiH.1.4 Rotary InstrumentationYesH.1.4 TachometerYesMake/type:ft-lbsMake/type:Ross HillMake/type:2000 AmpsH.1.5 Top Drive InstrumentationYesH.1.5 Top Drive InstrumentationYesH.1.5 TachometerYesMake/type:NOV BJ	-	no.	
Quantity:no.1 Cameron 10,000Make/type:no.2 MD Totco 10000Make/type:no.2 MD Totco 10000H.1.3 Choke Manifold Pressure GaugesYesQuantity:no.1 Swaco 10000 psiMake/type:no.1 Swaco 10000 psiQuantity:no.2 Cameron 10000 psiQuantity:no.2 Swaco 10000 psiQuantity:no.2 Cameron 10000 psiQuantity:no.2 Cameron 10000 psiQuantity:no.2 Cameron 10000 psiMake/type:no.2 Cameron 10000 psiH.1.4 Rotary Instrumentation H.1.4.1 TachometerYes Varco BJ 350Make/type:ft-lbsRoss Hill 2000 AmpsMake/type:ft-lbsRoss Hill 2000 AmpsH.1.5 Top Drive Instrumentation H.1.5.1TachometerYesMake/type:ft-lbsNOV BJ		nci	
Make/type:CameronMaximum pressure reading:psi10,000Quantity:no.2Make/type:MD TotcoMaximum pressure reading:psi10000H.1.3 Choke Manifold Pressure GaugesYesQuantity:no.1Make/type:No.1Make/type:no.1Make/type:no.2Make/type:no.2Make/type:no.2Make/type:no.2Make/type:no.2Make/type:no.2Make/type:no.3Make/type:psi10000 psiH.1.4 Rotary InstrumentationYesH.1.4.2 Torque IndicatorYesMake/type:ft-lbs350Make/type:ft-lbs2000 AmpsMake/type:ft-lbsRoss Hill 2000 AmpsH.1.5 Top Drive InstrumentationYesH.1.5.1TachometerYesMake/type:NOV BJ	Maximum pressure reading:	psi	10,000
Make/type:CameronMaximum pressure reading:psi10,000Quantity:no.2Make/type:MD TotcoMaximum pressure reading:psi10000H.1.3 Choke Manifold Pressure GaugesYesQuantity:no.1Make/type:SwacoMaximum pressure reading:psi10000 psiQuantity:no.2Make/type:no.2Make/type:psi10000 psiQuantity:no.2Make/type:psi10000 psiMake/type:psi10000 psiH.1.4 Rotary InstrumentationYesH.1.4.2 Torque IndicatorYesMake/type:ft-lbs350Make/type:ft-lbsMake/type:ft-lbsMake/type:ft-lbsMake/type:YesMake/type:YesMake/type:ft-lbsMake/type:Koos Hill 2000 AmpsH.1.5. Top Drive InstrumentationYesH.1.5. TachometerYesMake/type:NOV BJ	Quantity:	no.	1
Maximum pressure reading:psi10,000Quantity:no.2Make/type:MD TotcoMaximum pressure reading:psiH.1.3 Choke Manifold Pressure GaugesYesQuantity:no.1Make/type:no.1Make/type:no.1Make/type:no.2Quantity:no.2Maximum pressure reading:psi10000 psiQuantity:no.2Make/type:no.2Make/type:no.2Make/type:psi10000 psiH.1.4 Rotary Instrumentation H.1.4.1 TachometerYesMake/type:gso350H.1.4.2 Torque IndicatorYesMake/type:Ross Hill 2000 AmpsMake/type:Ross Hill 2000 AmpsH.1.5 Top Drive Instrumentation H.1.5.1TachometerYesMake/type:NOV BJ	Make/type:		Cameron
Make/type:MD TotcoMaximum pressure reading:psi10000H.1.3 Choke Manifold Pressure GaugesYesQuantity:no.1Make/type:SwacoMaximum pressure reading:psi10000 psiQuantity:no.2Make/type:no.2Make/type:no.1Make/type:no.2Make/type:psi10000 psiH.1.4 Rotary InstrumentationYesH.1.4 TachometerYesMaximum torque:ft-lbs350H.1.4.2 Torque IndicatorYesMake/type:goos HillMaximum torque:ft-lbsRoss HillH.1.5.1TachometerYesMake/type:NOV BJ	Maximum pressure reading:	psi	10,000
Make/type:MD TotcoMaximum pressure reading:psi10000H.1.3 Choke Manifold Pressure GaugesYesQuantity:no.1Make/type:SwacoMaximum pressure reading:psi10000 psiQuantity:no.2Make/type:no.2Make/type:no.1Make/type:no.2Make/type:psi10000 psiH.1.4 Rotary InstrumentationYesH.1.4 TachometerYesMaximum torque:ft-lbs350H.1.4.2 Torque IndicatorYesMake/type:goos HillMaximum torque:ft-lbsRoss HillH.1.5.1TachometerYesMake/type:NOV BJ	Quantity:	no	2
Maximum pressure reading:psi10000H.1.3 Choke Manifold Pressure GaugesYesQuantity:no.1Make/type:SwacoMaximum pressure reading:psi10000 psiQuantity:no.2Quantity:no.2Make/type:mo.10000 psiMake/type:psi10000 psiMaximum pressure reading:psi10000 psiH.1.4 Rotary InstrumentationYesH.1.4 Rotary InstrumentationYesMake/type:Yacro BJMake/type:SoMake/type:YesMake/type:Ross HillMaximum torque:ft-lbsH.1.5 Top Drive InstrumentationYesH.1.5 Top Drive InstrumentationYesMake/type:NOV BJ		110.	
H.1.3 Choke Manifold Pressure GaugesYesQuantity:no.1Make/type:SwacoMaximum pressure reading:psi10000 psiQuantity:no.2Make/type:CameronMaximum pressure reading:psi10000 psiH.1.4 Rotary InstrumentationYesH.1.4 Rotary InstrumentationYesH.1.4 TachometerYesMake/type:SooMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:Yes		nsi	
Quantity:no.1Make/type:swacoMaximum pressure reading:psiQuantity:no.2Make/type:cameronMaximum pressure reading:psiMaximum pressure reading:psiH.1.4. Rotary InstrumentationYesH.1.4. TachometerYesMake/type:SooMaximum torque:ft-lbsMake/type:Ross HillMaximum torque:ft-lbsH.1.5. Top Drive InstrumentationYesH.1.5. TachometerYesMake/type:NOV BJ		P31	10000
Make/type:SwacoMaximum pressure reading:psi10000 psiQuantity:no.2Make/type:CameronMaximum pressure reading:psi10000 psiH.1.4 Rotary InstrumentationYesH.1.4 Rotary InstrumentationYesMake/type:Yarco BJMaximum torque:ft-lbsMake/type:SooMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMake/type:YesMaximum torque:ft-lbsH.1.5 Top Drive InstrumentationYesH.1.5.1TachometerYesMake/type:NOV BJ	H.1.3 Choke Manifold Pressure Gauge	25	Yes
Maximum pressure reading:psi10000 psiQuantity:no.2 Cameron 10000 psiMake/type:psi10000 psiH.1.4 Rotary Instrumentation H.1.4.1 TachometerYes Varco BJ 350Make/type:Yes Varco BJ 350Make/type:Yes Varco BJ 350Make/type:Ross Hill 2000 AmpsMake/type:Yes Varco BJ Maximum torque:Make/type:Yes NOV BJ	Quantity:	no.	1
Quantity:no.2Make/type:CameronMaximum pressure reading:psiH1.4Rotary InstrumentationH1.4.1 TachometerYesMake/type:Varco BJMaximum torque:ft-lbsH1.4.2 Torque IndicatorYesMake/type:Ross HillMaximum torque:ft-lbsH1.5.5 Top Drive InstrumentationYesH.1.5.1TachometerYesMake/type:NOV BJ	Make/type:		Swaco
Make/type:CameronMaximum pressure reading:psi10000 psiH.1.4 Rotary InstrumentationYesH.1.4.1 TachometerYesMake/type:SoMaximum torque:ft-lbsH.1.4.2 Torque IndicatorYesMake/type:Ross Hill 2000 AmpsH.1.5 Top Drive InstrumentationYesH.1.5.1TachometerYesMake/type:NOV BJ	Maximum pressure reading:	psi	10000 psi
Make/type:CameronMaximum pressure reading:psi10000 psiH.1.4 Rotary InstrumentationYesH.1.4.1 TachometerYesMake/type:SoMaximum torque:ft-lbsH.1.4.2 Torque IndicatorYesMake/type:Ross Hill 2000 AmpsH.1.5 Top Drive InstrumentationYesH.1.5.1TachometerYesMake/type:NOV BJ	Quantity:	no.	2
Maximum pressure reading:psi10000 psiH.1.4 Rotary Instrumentation H.1.4.1 TachometerYes Yes Varco BJ 350Make/type: Maximum torque:ft-lbsYes YesMake/type: Maximum torque:Ross Hill 2000 AmpsYesH.1.5 Top Drive Instrumentation H.1.5.1TachometerYes YesMake/type: Make/type: Make/type:Ross Hill 2000 AmpsYesMake/type: Make/type:NOV BJ			
H.1.4Rotary Instrumentation H.1.4.1 TachometerYes Varco BJ 350Make/type: Maximum torque:ft-lbsYesH.1.4.2 Torque IndicatorYesMake/type: Maximum torque:Ross Hill 2000 AmpsH.1.5Top Drive InstrumentationYesH.1.5.1TachometerYesMake/type: Make/type:NOV BJ		psi	
H.1.4.1 TachometerYesMake/type:Varco BJMaximum torque:ft-lbsH.1.4.2 Torque IndicatorYesMake/type:Ross HillMaximum torque:ft-lbsH.1.5 Top Drive InstrumentationYesH.1.5.1TachometerYesMake/type:NOV BJ			
Make/type: Maximum torque:K-IbsVarco BJ 350H.1.4.2 Torque IndicatorYesMake/type: Maximum torque:Ross Hill 2000 AmpsH.1.5 Top Drive InstrumentationYesH.1.5.1TachometerYesMake/type: Make/type:NOV BJ	H.1.4 Rotary Instrumentation		
Maximum torque:ft-lbs350H.1.4.2 Torque IndicatorYesMake/type:Ross Hill 2000 AmpsH.1.5 Top Drive InstrumentationYesH.1.5.1TachometerYesMake/type:NOV BJ			
H.1.4.2 Torque IndicatorYesMake/type: Maximum torque:Ross Hill 2000 AmpsH.1.5 Top Drive InstrumentationYesH.1.5.1TachometerYesMake/type:NOV BJ		<b>C</b> . 11	
Make/type: Maximum torque: ft-lbs H.1.5 Top Drive Instrumentation H.1.5.1Tachometer Make/type: NOV BJ	Maximum torque:	ft-Ibs	350
Maximum torque:ft-lbs2000 AmpsH.1.5 Top Drive InstrumentationYesMake/type:NOV BJ	H.1.4.2 Torque Indicator		Yes
Maximum torque:ft-lbs2000 AmpsH.1.5 Top Drive InstrumentationYesMake/type:NOV BJ	Make/type:		Ross Hill
H.1.5.1Tachometer Yes Make/type: NOV BJ	Maximum torque:	ft-lbs	2000 Amps
Make/type: NOV BJ	H.1.5 Top Drive Instrumentation		
	H.1.5.1Tachometer		Yes
	Make/type:		NOV BI
	Maximum RPM:	rpm	220

SPECIFICATION		DESCRIPTIONS
H.1.5.2Torque Indicator		
Make/type:		NOV BJ
Maximum torque:	ft-lbs	55,000
H.1.6 Pump Stroke Counters		Yes
Quantity:	no.	1
Make/type:		Pump (Mud watch) Limit Switch
Stroke indicator and cumulative strol each pump:	ke counter for yes/no	Yes
Quantity: Make/type:	no.	1
Stroke indicator and cumulative strol	ke counter for	Yes
each pump:	yes/no	
Quantity:	no.	3
Make/type:		
Stroke indicator and cumulative strol	ke counter for	Yes
each pump:	yes/no	
H.1.7 Tong Torque Indicator		Yes
H.1.8 Pit Volume Totalize		Yes
Make/model:		MD Totco
Float in active mud tanks:	yes/no	Yes
Quantity per tank:	no.	1
Floats in reserve mud tanks:	yes/no	Yes
Quantity per tank:	no.	2
Floats in mud processing tanks:	yes/no	Yes
Quantity per tank:	no.	1
Loss/Gain indicator:	yes/no	Yes
Audio Alarm:	yes/no	Yes
Visual Alarm:	yes/no	Yes
H.1.9 Mud Flow Indicator		Yes
High/low alarm:		
Audio Alarm:	yes/no	Yes
Visual Alarm:	yes/no	Yes
Sensor location:		Flow Line
H.1.10 Trip Tank Indicator		
Make/model:		MD Totco

SPECIFICATION		DESCRIPTIONS
Chart recorder:	yes/no	No
Alarm:	yes/no	Yes
H.1.11 Automatic Driller (see B.2.1)		No
H.1.12 Remote Choke Control Unit (see	E.5)	Yes
H.1.13 Crown Clearance Indicator		Varco
H.2 DRILLING PARAMETER RECORDE	R	RigSense
H.3 INSTRUMENTATION AT CHOKE N	ANIFOLD	Yes
H.3.1 Stand pipe Pressure Gauge (Drill pressure gauge)	pipe	
Quantity:	no.	4
Make/type:	-	Martin Decker
Pressure gauge:	psi/psi	5000
Visible from choke operating position:	yes/no	Yes
H.3.2 Choke Manifold Pressure Gauge pressure gauge)	(Casing	
Quantity:	no.	2
Make/type:		Martin Decker
Pressure gauge:	psi/psi	10,000
H.4 INSTRUMENTATION AT ST	ANDPIPE	
H.4.1 Standpipe Pressure Gauge		
Quantity:	no.	4
Make/type:		Cameron
Pressure gauge:	psi/psi	10,000
Visible from driller's position:	yes/no	Yes
Visible from choke operating system:	yes/no	Yes
H.5 DEVIATION EQUIPMENT		
H.5.1 Deviation Recorder		Totco
H.5.2 Slickline Unit (see B.2.4)		Yes
H.6 RIG COMMUNICATION SYSTEMS		

SPECIFICATION		DESCRIPTIONS
H.6.1 Rig Telephone System		Yes
No. of stations:	no.	42
Make/type:		Gaitronics / 721
Explosion proof:	yes/no	No
H.6.2 Public Address System		
Can be combined with H.6.1 above:	yes/no	Yes
No. of stations:	no.	42
Make/type:		Gaitronics
Explosion proof:	yes/no	Yes
H.6.3 Drill Floor Talkback System		
No. of stations:	no.	3
Location:		Drillers Console
Location:		Monkey Board
Location:		Draw works
Make/type:		
Explosion-proof:	yes/no	Yes
H.6.4 Hand Held VHF Radios		
Quantity:	no.	12
Quantity intrinsically safe:	no.	12
H.6.5 Crane Communication System		
Quantity:	no.	3
Make/type:		Standard Horizon / GX1400B
Explosion proof:	yes/no	No
Part of rig telephone system (H.6.1):	yes/no	No
Part of public address system (H.6.2):	yes/no	No
H.7 ENVIRONMENTAL INSTRUMENT	ATION	
H.7.1. Temperature Indicators		None
H.7.2 Barometric Pressure Indicator		
Make/model:		Dial Type Aneroid Barometer
Recorder:	yes/no	No
H.7.3 Humidity Sensing Indicator		None

SPECIFICATION	DESCRIPTIONS
H.7.4 Wind Speed/Direction Meter	
Make/model:	Jhon Lilly & Grille LTD Type- Jhon walker Model 2050 MK II.
Recorder: yes/no	No
H.7.5 Wave Profile Recorder	None
H.7.6 Current Indicator	None
H.7.7 Weather Facsimile	Foruno / Navtex NX 500
H.8 NAVIGATION INSTRUMENTATION	
H.8.1 Gyro Compass	No (satellite compass - GPS/WAAS Navigator)
Make/model:	Furuno 0735, Furuno 0560 & Furuno / Navigator GP32
Located at:	Radio Room
H.8.2 Depth Sounder	None
H.8.3 Radar	None
H.9 EXTERNAL COMMUNICATIONS EQUIPMEN	JT
H.9.1 SSB Transceiver	AIS Installed
Location(s):	Radio Room
Quantity: no.	1
Make/model:	Jotrun / TR-8000
Power: watts	150 Watt
Frequency ranges (low/high): mhz/mhz (Synthesized crystal):	70/162
Facsimile capable (see also H.9.9): yes/no	No
Telex capable (see also H.9.10): yes/no	No
H.9.2 E.P.I.R.B's	
Quantity: .	1
Make/model:	SAMYUNG
Location(s):	Outside Control room
H.9.3 Marine VHF Radio	
	]

SPECIFICATIO	N	DESCRIPTIONS
Quantity:	no.	2
Make/model:		Sailor RT 6222 DSC
Power:	Amps	8 Amps
Channels:		88
		Radio Room
Location:		88
		Radio Room
Quantity:	no.	2
Make/model:		Sailor / RT 5022 & RATHEON / RAY55
Power:	watt	25 watts
Channels:		88
Location:		Control Room
Quantity:	no.	2
Make/model:		I-Com IC 603
Power:	watt	25 watts
Channels:		57
Location:		Port Crane / FRC
Quantity:	no.	1
Make/model:		Standard Horizon / Eclipse+
Power:	watt	25 watts
Channels:		55
Location:		Radio room
H.9.4 Aircraft Radio Beacon Tran	smitter (NDB)	Yes
Quantity:	no.	1
Make/model:		ICOM
H.9.5 Aeronautical VHF Transceiv		
n.9.5 Aeronautical VHF transcen	/er	
Quantity:	no.	1
Make/model:		
Power:	watts	25 W
Frequency range (low/high):	mhz/mhz	118 – 136 MHz
(Synthesized/crystal):		
Location(s):		Radio Room
Quantity:	no.	1
Make/model:		ICOM / IC-A110 EURO
Power:	watts	1.5
Frequency range (low/high):	mhz/mhz	118 – 136.975 MHz
(Synthesized/crystal):		Synthesized
Location(s):		Radio Room

H.9.6 Watch ReceiverNo.Quantity:no.Make/model:kbzFrequency:kbzH.9.7 Satellite Communication SystemYesMake/model:YesFacsimile capable (see also H.9.9)yes/noIcet capable (see also H.9.10)yes/noIcet capable (see also H.9.10)yes/noMake/model:NoneConnected to:Internet Telephone Radio Room, OIM Office, Company Man & MATCO OfficeMake/model:Internet Telephone Radio RoomConnected to:Thuraya XT Radio RoomI.PROJUCTION TEST EQUIPMENTI.BURNER BOOMSI.3PIPING ON BURNER BOOMSI.3OI LineI.3OI LineI.3Gas LineI.3Gas LineI.4None	SPECIFICATION		DESCRIPTIONS
Make/model:       khz         H.9.7 Satellite Communication System       Yes         Make/model:       KNS INC / KNSZ10 MK4         Facsimile capable (see also H.9.9)       yes/no         Telex capable (see also H.9.10)       yes/no         No       No         Location(s):       Yes         H.9.8 Inmarset       Yes         Number of phone lines:       no.         H.9.9. Facsimile       None         Make/model:       None         Connected to:       None         H.9.10 Telex       None         H.9.11 Scrambler       None         H.9.12 Other Communication System       None         Make/model:       Internet Telephone         Connected to:       Thuraya XT         Make/model:       Thuraya XT         Connected to:       Thuraya XT         Make/model:       None         I.       PRODUCTION TEST EQUIPMENT         I.       BURNER BOOMS       None         I.3       PIPING ON BURNER BOOMS       None	H.9.6 Watch Receiver		
Frequency:     khz       H.9.7 Satellite Communication System Make/model: Facsimile capable (see also H.9.9) yes/no Telex capable (see also H.9.9) yes/no tocation(s):     Yes KNS INC / KNSZ10 MK4 No No 4th Level Deck       H.9.8 Inmarset     Yes       Number of phone lines:     no.       Make/model: Connected to:     None       H.9.9. Facsimile     None       H.9.10 Telex     None       H.9.11 Scrambler     None       H.9.12 Other Communication System Connected to:     Internet Telephone Radio Room, OIM Office, Company Man & MATCO Office       Make/model: Connected to:     Thuraya XT Radio Room       Make/model: Connected to:     Thuraya XT Radio Room       Make/model: Connected to:     None       I.     PRODUCTION TEST EQUIPMENT     Internet Telephone Radio Room       I.     BURNER BOOMS     None       I.1     BURNER BOOMS     None       I.3     PIPING ON BURNER BOOMS     None	Quantity:	no.	None
H.9.7Satellite Communication System Make/model: Facsimile capable (see also H.9.9) telex capable (see also H.9.10) yes/no Location(s):Yes KNS INC / KNSZ10 MK4 No No 4th Level DeckH.9.8InmarsetYesNumber of phone lines:no.NoneH.9.9. FacsimileNoneMake/model: Connected to:NoneH.9.11 ScramblerNoneH.9.12 Other Communication SystemInternet Telephone Radio Room, OIM Office, Company Man & MATCO OfficeMake/model: Connected to:Thuraya XT Radio Room, OIM Office, Company Man & MATCO OfficeMake/model: Connected to:NoneH.9.11 StramblerNoneH.9.12 Other Communication SystemThuraya XT Radio Room, OIM Office, Company Man & MATCO OfficeMake/model: Connected to:NoneI.1BURNERSNoneI.1BURNERSNoneI.2BURNER BOOMSNoneI.3PIPING ON BURNER BOOMSNoneI.3.1Oil LineNone	Make/model:		
Make/model:KNS INC / KNSZ10 MK4Facsimile capable (see also H.9.9)yes/noNoIcoation(s):yes/noYesH.9.3 InmarsetYesNumber of phone lines:no.NoneH.9.9. FacsimileNoneMake/model:NoneConnected to:NoneH.9.10 TelexNoneH.9.12 Other Communication SystemNoneMake/model:Internet TelephoneConnected to:Internet TelephoneMake/model:Internet TelephoneConnected to:Thuraya XTRadio Room, OIM Office, Company Man & MATCO OfficeMake/model:Thuraya XTConnected to:NoneI.<	Frequency:	khz	
Facsimile capable (see also H.9.9) Telex capable (see also H.9.10) Location(s):yes/no yes/no YesNo No Ath Level DeckH.9.8InmarsetYesNumber of phone lines:no.NoneH.9.9.FacsimileNoneMake/model: Connected to:NoneH.9.10TelexNoneH.9.11StramblerNoneH.9.12Other Communication SystemNoneMake/model: Connected to:Internet Telephone Radio Room, OIM Office, Company Man & 	-		
Telex capable (see also H.9.10) yes/no   Location(s): Yes   Number of phone lines: no.   No.a None   H.9.9. Facsimile None   Make/model: None   Connected to: None   H.9.11 Telex None   H.9.12 Other Communication System None   Make/model: Internet Telephone   Radio Room, OIM Office, Company Man & MATCO Office MATCO Office   Nake/model: Internet Telephone   Radio Room, OIM Office, Company Man & MATCO Office None   1. PRODUCTION TEST EQUIPMENT None   I. BURNERS None   I.1 BURNERS None   I.2 BURNER BOOMS None   I.3 PIPING ON BURNER BOOMS None			
Location(s):       4th Level Deck         H.9.3 Imarset       Yes         Number of phone lines:       no.         H.9.3 Facsimile       None         Make/model:       None         Connected to:       None         H.9.1 Telx       None         H.9.1 Jorden       None         Make/model:       None         Connected to:       None         Make/model:       None         None       None         Make/model:       None         None       None         Make/model:       None         None       None         I.       PRODUCTION TEST EQUIPMENT       None         I.       BURNER BOOMS       None         I.3.       PINIG ON BURNER BOOMS       None         I.3.       ILINE       None		•	
H.9.8ImmarsetYesNumber of phone lines:no.NoneH.9.9.FacsimileNoneMake/model: connected to:NoneHoneH.9.10TelexNoneH.9.11Tommunication SystemNoneH.9.12Therrer Telephone Radio Room, OIM Office, Company Man & MATCO OfficeNoneNake/model: consected to:Thuraya XT Radio Room, OIM Office, Company Man & MATCO OfficeNake/model: consected to:Thuraya XT Radio Room, OIM Office, Company Man & MATCO OfficeI.1PRDUCTION TEST EQUIPMENTNoneI.2BURNERSNoneI.3PIPING ON BURNER BOOMSNoneI.4JILIneNone		yes/no	
Number of phone lines:no.NoneH.9.9. FacsimileNoneMake/model: Connected to:NoneH.9.10 TelexNoneH.9.11 ScramblerNoneH.9.12 Other Communication SystemNoneMake/model: Connected to:Internet Telephone Radio Room, OIM Office, Company Man & MATCO OfficeMake/model: Connected to:Internet Telephone Radio Room, OIM Office, Company Man & MATCO OfficeMake/model: Connected to:Thuraya XT Radio RoomI.PRODUCTION TEST EQUIPMENTI.1BURNERSI.2BURNER BOOMSI.3PIPING ON BURNER BOOMSI.3.1Oil Line	Location(s):		4th Level Deck
H.9.9. FacsimileNoneMake/model: connected to:NoneH.9.10 TelexNoneH.9.11 TelexNoneH.9.12 Other Communication SystemNoneMake/model: connected to:Internet Telephone Radio Room, OIM Office, Company Man & MATCO OfficeNake/model: connected to:Thuraya XT Radio RoomI.PRODUCTION TEST EQUIPMENTNoneI.BURNERSNoneI.3.PIPING ON BURNER BOOMSNoneI.3.DI LineNone	H.9.8 Inmarset		Yes
Nake/model: Connected to:NoneH.9.10 TelexNoneH.9.11 ScramblerNoneH.9.12 Other Communication SystemNoneMake/model: Connected to:Internet Telephone Radio Room, OIM Office, Company Man & MATCO OfficeMake/model: Connected to:Thuraya XT Radio RoomMake/model: Connected to:NoneI.PRODUCTION TEST EQUIPMENTI.BURNERSI.1BURNERSI.2BURNER BOOMSI.3PIPING ON BURNER BOOMSI.3.Oil Line	Number of phone lines:	no.	None
Connected to:       None         H.9.10 Telex       None         H.9.11 Scrambler       None         H.9.12 Other Communication System       None         Make/model:       Internet Telephone Radio Room, OIM Office, Company Man & MATCO Office         Make/model:       Thuraya XT Radio Room         Internet Telephone       Internet Telephone         Make/model:       Thuraya XT         Konnected to:       None         I.       PRODUCTION TEST EQUIPMENT         I.1       BURNERS       None         I.2       BURNER BOOMS       None         I.3       PIPING ON BURNER BOOMS       None	H.9.9. Facsimile		
Connected to: H.9.10 Telex None H.9.11 Scrambler None H.9.12 Other Communication System None Make/model: Connected to: Make/model: Connected to: PRODUCTION TEST EQUIPMENT I. BURNERS None I.2 BURNER BOOMS None I.3 PIPING ON BURNER BOOMS I.3 DI Line None	Make/model:		None
H.9.11 ScramblerNoneH.9.12 Other Communication SystemInternet Telephone Radio Room, OIM Office, Company Man & MATCO OfficeMake/model: connected to:Internet Telephone Radio Room, OIM Office, Company Man & MATCO OfficeMake/model: connected to:Thuraya XT Radio RoomNoneInternet Telephone Radio RoomI.PRODUCTION TEST EQUIPMENTI.1BURNERSI.2BURNER BOOMSI.3PIPING ON BURNER BOOMSI.3.OI Line			
H.9.12 Other Communication SystemInternet Telephone Radio Room, OIM Office, Company Man & MATCO OfficeMake/model: Connected to:Thuraya XT Radio RoomMake/model: Connected to:Thuraya XT Radio RoomI.PRODUCTION TEST EQUIPMENTI.1BURNERSI.2BURNER BOOMSI.3PIPING ON BURNER BOOMSI.3.1Oil Line	H.9.10 Telex		None
Make/model: Connected to:Internet Telephone Radio Room, OIM Office, Company Man & MATCO OfficeMake/model: Connected to:Thuraya XT Radio RoomI.PRODUCTION TEST EQUIPMENTI.1BURNERSI.2BURNER BOOMSI.3PIPING ON BURNER BOOMSI.3.1Oil Line	H.9.11 Scrambler		None
Connected to:Radio Room, OIM Office, Company Man & MATCO OfficeMake/model: Connected to:Thuraya XT Radio RoomI.PRODUCTION TEST EQUIPMENTI.1BURNERSI.2BURNER BOOMSI.3PIPING ON BURNER BOOMSI.3.1Oil Line	H.9.12 Other Communication System		
Connected to:       Radio Room, OIM Office, Company Man & MATCO Office         Make/model:       Thuraya XT Radio Room         Connected to:       PRODUCTION TEST EQUIPMENT         I.       PRODUCTION TEST EQUIPMENT         I.1       BURNERS         I.2       BURNER BOOMS         I.3       PIPING ON BURNER BOOMS         I.3.1       Oil Line	Make/model:		Internet Telephone
Connected to:Radio RoomI.PRODUCTION TEST EQUIPMENTI.1BURNERSI.2BURNER BOOMSI.3PIPING ON BURNER BOOMSI.3.1Oil Line			Radio Room, OIM Office, Company Man &
Connected to:Radio RoomI.PRODUCTION TEST EQUIPMENTI.1BURNERSI.2BURNER BOOMSI.3PIPING ON BURNER BOOMSI.3.1Oil Line	Make/model:		Thurava XT
I.1BURNERSNoneI.2BURNER BOOMSNoneI.3PIPING ON BURNER BOOMSNoneI.3.1Oil LineNone	-		
I.2BURNER BOOMSNoneI.3PIPING ON BURNER BOOMSI.3.1Oil LineNone	I. PRODUCTION TEST EQUIPMENT		
I.3     PIPING ON BURNER BOOMS       I.3.1     Oil Line   None	I.1 BURNERS		None
I.3     PIPING ON BURNER BOOMS       I.3.1     Oil Line   None	I.2 BURNER BOOMS		None
I.3.1 Oil Line None			
	1.3 PIPING UN BUKNEK BUUMS		
I.3.2 Gas Line None	I.3.1 Oil Line		None
	I.3.2 Gas Line		None

	SPECIFICATION	DESCRIPTIONS
I.3.3 Water	Line	None
I.3.4 Air Lin	e	None
I.3.5 Pilot G	Gas line	None
I.4 SPRIN	KLER SYSTEM	None
I.5 FIXED	PIPING FOR WELL TESTING	
I.5.1 Drill Fl	loor to Separator Area	None
I.5.2 Separa	ator Area to Burner Booms	None
I.5.3 Water	Lines to Burner Booms	None
I.5.4 Air Sys	stem to Burner Booms	None
I.5.5 Oil Sto	orage Tank To Offload	None
I.5.6 Separa	ator to Vent Stack of Rig	None
I.6 AUXIL	IARY POWER AVAILABILITY	
I.6.1 For Fie	eld Laboratory	Yes
I.6.2 For Cr	ude Transfer Pump	None.
I.6.3 For Elec	tric Heaters	None
J. WORKO	OVER TOOLS	None
к. ассом	MODATION	
K.1 OFFIC	ES	
K.1.1 Compa	any Representative's Office	
Quantity:	no.	1
	mbination office/state rooms in	
above:	no. h dask filing cabinats(s) and other	0
necessary f	h desk, filing cabinets(s) and other furniture: yes/no	Yes
	unrestricted view to	
drill floor:	no.	2
K.1.2 Contra	actor's Representative's Office	

SPECIFICATION		DESCRIPTIONS
Quantity: Quantity with unrestricted view to drill floc	no. or: no.	1 1
K.1.3 Control Room		
Quantity:	no.	1
K.1.4 Radio Room		
Quantity:	no.	1
K.1.5 Helicopter Ready Room Quantity:	no.	1 - Radio Room serves as Helicopter Ready Room
K.1.6 Hospital Room		
Number of beds/bunks: Dangerous drugs locker:	no. yes/no	2 Yes
K.2 LIVING QUARTERS		
K.2.1 Accommodations		
Total Beds: No. of beds per room type (1,2,3, etc): Number of rooms: Toilets (private/shared/communal): Showers (private/shared/communal):	no. no. no.	100 2 5 4 (2-Private, 2-Shared) 4 (2-Private, 2-Shared)
No. of beds per room type (1,2,3, etc): Number of rooms: Toilets (private/shared/communal): Showers (private/shared/communal):	no. no.	4 21 12 (1-Private, 10 Shared,1Communal) 12 (1-Private, 10 Shared,1Communal)
No. of beds per room type (1,2,3, etc): Number of rooms: Toilets (private/shared/communal): Showers (private/shared/communal):	no. no.	6 1 Communal Communal
K.2.2 Galley		
Quantity: Port mess: Stbd Mess:	no. no. no.	2 1 1

K.2.3 Mess Seating CapacityPort mess Quantity:no.Stbd Mess Quantity:no.K.2.3 Mess Seating Capacityno.K.2.5 Recreation Roomsno.Quantity:no.Recreation facilitiesTV:TV:no.VCR:no.Pool Table:no.	
Port mess Quantity:no.Stbd Mess Quantity:no.K.2.3 Mess Seating Capacityno.K.2.5 Recreation Roomsno.Quantity:no.Recreation facilitiesno.TV:no.VCR:no.	D. 38
Stbd Mess Quantity:noK.2.3 Mess Seating Capacityno.K.2.5 Recreation Roomsno.Quantity:no.Recreation facilitiesno.TV:no.VCR:no.	D. 38
K.2.3 Mess Seating Capacityno.K.2.5 Recreation Roomsno.Quantity:no.Recreation facilitiesno.TV:no.VCR:no.	
K.2.5 Recreation RoomsQuantity:no.Recreation facilitiesTV:TV:no.VCR:no.	1 (conference room)
Quantity:no.Recreation facilitiesno.TV:no.VCR:no.	
Recreation facilitiesTV:no.VCR:no.	
TV: no. VCR: no.	1 ea.
VCR: no.	
	18
Pool Table: no.	0
	No
Ping Pong Table: no.	No
Computer: no.	6
Workout/weight room: no.	Yes
L. SAFETY EQUIPMENT	
L.1 GENERAL SAFETY EQUIPMENT	
L.1.1 General Personnel Protective Gear	
Safety glasses (contractor/everyone/not supplied):	Contractor
Safety hats (contractor/everyone/not supplied):	Contractor
Safety boots (contractor/everyone/not supplied):	Contractor
Safety clothing (contractor/everyone/not supplied)	): Contractor
Ear protection (contractor/everyone/not supplied):	: Contractor
Rubber gloves (contractor/everyone/not supplied):	
Rubber aprons (contractor/everyone/not supplied)	): Contractor
Rubber gloves - elbow length (contractor/everyone	e Contractor
not/supplied):	
Full face visors (contractor/everyone/not supplied)	
Eye shields (contractor/everyone/not supplied):	Contractor
Dust masks (contractor/everyone/not supplied):	Contractor
Explosion proof hand torches	Contractor
(contractor/everyone/not supplied):	
Safety belts c/w lines: (contractor/everyone/not supplied):	Contractor
L.1.2 Decontamination Stations	
L.1.2.1 Eye Wash Stations	
Quantity - fixed: no.	4
Make/model:	HAWS / 8320 – Eyewash & Shower

SPECIFICATION		DESCRIPTIONS
Location(s):		Rig Floor, Mixing Room, Pit Room & Shale Shakers
Quantity - portable:	no.	2
Make/model:		– HAWS / 7500 EyeWwash
Location(s):		Cement Unit & STBD Main Deck
L.1.3 Derrick Safety Equipment		
Derrick escape chute (rem chute):	no.	1
Make/type:		– DBI SALA Full body harness
	yes/no	Yes
Derrick safety belts:	no.	5
Make/type:		DBI Sala / Delta
L.1.4 Derrick Climbing Assistant		
Make/type:		DBI SALA/LAD-SAF
L.1.5 Fresh Air Blowers (Bug Blowers)		
Quantity:	no.	2
Make/type:		Brandt / B-250
Located at:		Drill Floor Roofz
L.2 GAS/FIRE/SMOKE DETECTION		
L.2.1 H2S Monitoring System		
Make/type:		Autro Safe / Fire and Gas monitoring system
Sampling points at:		12 locations
Bellnipple:	yes/no	Yes
Drillfloor:	yes/no	Yes
Shale shaker:	yes/no	Yes
	yes/no	Yes
Ventilation system into living quarters:	yes/no	Yes
Other:		No
Alarms at:		
Driller's console (audible/visual/both):		Both
Engine room (audible/visual/both):		Both
Mud room (audible/visual/both):		Audible
Living quarters each level (audible/visual/both):		Audible Radio Room
Central area each structural level		Audible
(audible/visual/both):		Pump room
Other:		Store Room, Machinery Spaces and Main Deck
Tied to general alarm:	yes/no	No

SPECIFICATION		DESCRIPTIONS
Central control panel:	yes/no	Yes
Located at:		Radio Room
Local alarm (audible/visual/both):		Both
L.2.2 Combustible Gas Monitoring Sys	stem	
Sampling points at:		11
Bellnipple:	yes/no	Yes
Drillfloor:	yes/no	Yes
Shale shaker:	yes/no	Yes
Mud tanks:	yes/no	Yes
Living quarters:	yes/no	No
Other:		Main Deck, Rotary pan, BOP Well Head
Alarms at:		
Driller's console (audible/visual/both	):	Yes
Engine room (audible/visual/both):		Yes
Mud room (audible/visual/both):		Yes
Living quarters each level (audible/vis	sual/both):	Both
Central area each structural level		
(audible/visual/both):		Yes
Other:		Shakers
Tied to general alarm:	yes/no	Yes
Central control panel:	yes/no	Yes
Located at:		Marine Radio Room
Local alarm (audible/visual/both):		Both
L.2.3 H2S Detectors (Portable)		
Quantity:	no.	8
Make/type:		Micro Clip XL (06) & MAX XT-II (02)
Stain types for H2S: measuring range:		
from 1 to 20 percent:	%	Detection= 0-500 PPM
from 100 to 600 percent:	%	Alarm= 25-200 PPM
L.2.4 Explosive meters		
Quantity:	no.	-
Make/type:		
L.2.5 CO2 Gas Detectors (portable) (re	efer to L.2.3)	Yes
Quantity:	no.	-
Make/type:		-
Stain tubes for CO2: measuring range		
from 1 to 20 percent:	%	-
from 5 to 60 percent:	%	-

SPECIFICATION		DESCRIPTIONS
L.2.6 O2 Meter (portable) (refer to	L.2.3)	Yes
Quantity:	no.	-
Make/type:		-
L.2.7 Fire/Smoke Detectors in Accom	modation	
Make/type:		Autro Safe / Fire and Gas monitoring system
Fire detection:	yes/no	Yes
Smoke detection:	yes/no	Yes
Central control panel:	yes/no	Yes
Location:	, , -	Radio Room
Alarms:	no.	7
Pull boxes:	no.	32
Mud room (audible/visual/both):	110.	Both
Living quarters each level (audible)	(vicual/bath)	Audible
Central area structural level:	visual/ Dotify	Addible
		-
(audible/visual/both):		-
Other:	,	-
Tied to general alarm:	yes/no	Yes
Central control panel:		Yes
Located at:		Radio Room
Local alarm (audible/visual/both):		Both
L.3 FIRE FIGHTING EQUIPMENT		
L.3.1 Fire Pumps		
Quantity:	no.	2
Make/model:		NSL 125-415 / D02
Туре:		Vertical
Output (each):	gals/min	900
Location:	<u> </u>	Compressor Room
L.3.2 Hydrants And Hoses		
Hydrants positioned such that any point may be reached by a single hose length from two		Yes
separate hydrants:		
	yes/no	
Quantity of hydrants:	no.	20
Hose connections/hydrant:	no.	20
Hose. max. diameter:	in	1 ½"
Length:	ft	50
L.3.3 Portable Fire Extinguishers		

SPECIFICATION		DESCRIPTIONS
Quantity (total):	no.	78
Type 1 - CO2	no./kg	15
Type 2 - Dry chemical	no./kg	60
Type 3 - Foam	no./ltrs	2
	o./lbs	No
Halon	no./lbs	No
	110.7105	
L.3.4 Fire Blankets		None
Quantity:	no.	-
Location(s):		-
L.3.5 Fixed Foam System		Helideck
L.3.6 Helideck Foam System		
Make/type:		Bugeye / Fixed GPM Self-Inducting Foam System
Quantity of monitors:	no.	2
Quantity of foam concentrated stored:	gal	150
Foam type:		AFFF 3%
Application rate:	gals/min	400
L.3.7 Fixed Fire Extinguishing System		Unitor / AB 98 SE20359
Protected spaces:		
Engine room, type (Halon/CO2/other)	:	CO2
Remote manual release located at:		Both Entrances.
Paint locker, type (Halon/CO2/other):		CO2
Remote manual release located at:		Main door side.
Emergency generator type (Halon/CO	2/other):	CO2
Remote manual release located at:		Fwd. Entrance.
SCR room type (Halon/CO2/other):		CO2
Remote manual release located at:		Main Entrance.
Mud Pits type (Halon/CO2/other		CO2
Remote manual release located at:		Both entrances.
Alarms *audible, visual, or both):		Both
Automatic shutdown of ventilation fans i	n protected	No
spaces:	yes/no	
L.3.8 Manual Water Deluge System	yes/no	No
L.3.9 Water Sprinkler System in Accom	modation	
Automatic activation:	yes/no	Yes
Working pressure:	psi	143 PSI @122ºF Tk=728 gal.

	SPECIFICATION		DESCRIPTIONS
L.4	BREATHING APPARATUS		
L.4.1	General Sets		
Quant Make	ity:	no.	35
	demand/positive pressure):		Demand Pressure
	de system quick connects:	yes/no	Yes
	er duration:	min	30
, Locate		qty/loc	17 / Fireman's Locker Port
Locate	ed at:	qty/loc	18 / Fireman's Locker Starboard
L.4.2	Escape Sets		4 (3 Shale shaker & 1 TV Room)
L.4.3	Cascade Stations		Yes
L.4.4 Breathing Air Recharge Compressor		Yes	
L.4.5 Compressed Air Breathing Apparatus Trolley Unit		aratus Trolley	None
L.4.6	Breathing Air Purity Test Equip 2.3)	oment (refer	Yes
L.5	EMERGENCY FIRST AID EC	QUIPMENT	
L.5.1	First Aid Kits		
Quant	ity:	no.	8
L.5.2	Burn Kits		
Quant	ity:	no.	5
L.5.3	Resuscitators		
Quant	-	no.	1
Charge	ed (spare) oxygen cylinders:	no.	15
L.5.4	Stretchers		
Quant	ity:	no.	4
Type:			Basket
Locate	ed at:		Rig Floor / Heavy Tool Store / Helideck / STBD Main Deck

SPECIFICATION	N	DESCRIPTIONS	
Quantity:	no.	1	
Туре:		Neil Robertson Stretcher	
Located at:		Hospital	
Quantity:	no.	1	
Туре:		Folding stretcher	
Located at:		Hospital	
Quantity:	no.	1	
Туре:		Skid stretcher	
Located at:		Hospital	
L.6 HELIDECK RESCUE EQUIPMI	ENT		
Aircraft Axe:	yes/no	Yes	
Large fireman's rescue axe:	yes/no	Yes	
Crowbar:	yes/no	Yes	
Heavy duty hacksaw:	yes/no	Yes	
Spare blades:	yes/no	Yes	
Grapnel hook:	yes/no	Yes	
Length of wire rope attached:	ft		75
Quick release knife:	yes/no	Yes	
Bolt croppers:	yes/no	Yes	
Fireman's outfit:	yes/no	Yes	
CO2 Lance:	yes/no	Yes	
L.7 EMERGENCY WARNING ALA	ARMS		
Approved system to give warning o	f different	Yes	
emergencies:	yes/no		
Activated from drill floor:	yes/no	Yes	
L.8 SURVIVAL EQUIPMENT			
L.8.1 Lifeboats			
Make/type:		BHERI / BH-9. Fully enclosed.	
Quantity:	no.	2	
Capacity:	person/craft	65/craft	
Locations (frwd/aft/port/stbd):		Port & Stbd.	
Fire protection:	yes/no	Yes	
Radio/EPIRB (see section H.9):		Yes	
L.8.2 Life Rafts			
Make/type:		4 – Shanghai Youlong / KHA-25,4 – Viking / 25DKF+ E	

SPECIF	ICATION	DESCRIPTIONS
Quantity:	no.	8
Capacity:	person/craft	25 Pers.
L.8.3 Fast Rescue Boat		
Make/type:		Fr. Fassmer GmbH & Co. / RR-4.510
Engine power:	hp	25 hp.
L.8.4 Personal Floatation	Devices	Yes
Make/type:		Safeguard & Stearns
Quantity:	no.	200
L.8.5 Survival Suits		None
L.8.6 Life Ring Buoys		
Make/type		MARINE-BILLY PUGH (2EA), EVAL (2EA),DATREX BUOY (2EA), PLASTICEL(2EA), BPE (1EA), UL (3EA).
Quantity total:	no.	12 no.
with Lights:	no.	4 no.
with Light & Smoke:	no.	2 no.
with Rope:	no.	2 no.
without Rope:	no.	4 no.
L.8.7 Work Vests		
Quantity:	no.	15
L.8.8 Escape Ladders/Net	s no.	2 -Leg Ladders / 2 - Port & Stbd BOW
M. POLLUTION PREVEN M.1. SEWAGE TREATMEN		
Make/model:		Omni-Pure / Type II
System type:		12 MX
M.2 GARBAGE COMPAC	ΓΙΟΝ	Yes
M.3 GARBAGE DISPOSAL	/GRINDER	
Make/model:		HOBART / FD3/125-1
System type:		Galley Waste Macerator
M.4 INCINERATOR		None
M.5 OILY WATER SEPARA	ATOR	

SPECIFICATION		DESCRIPTIONS
Quantity:	no.	1
Make/model:		Compass Water Solutions / Model 5000-MDAP
System type:		Dual Bilge
Nominal throughput:	ppm	13 gpm