

RIG AND EQUIPMENT SPECIFICATIONS

TECHNICAL ATTACHMENT B

INTERNATIONAL ASSOCIATION OF DRILLING CONTRACTORS

STANDARD FORMAT EQUIPMENT LIST JACK-UP DRILLING UNITS

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ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
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RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
A. UNIT SPECIFICATIONS		
Rig type:		LEVINGSTON Class 111-C
Unit/Design/Shape:		Square – 3 Leg
Unit classification:		A1. Self Elevating Drilling Unit
yes/no		
A.1 MAIN DIMENSIONS / TECHNICAL DESCRIPTION		
Light ship:	kips	15,661 kips
Displacement at loadline:	kips	23,329 kips
Overall length of unit (including Helideck):	ft	100 ft.
Overall width of unit (including anchor racks):	ft	186 ft.
Hull length	ft	200 ft.
Hull width	ft	186 ft.
Hull depth	ft	22 ft.
Number of legs/length:	no. x ft	3 X 406.52 ft.
Leg length available below hull:	ft	305 ft.
Type of leg:		Square
Leg spacing (center to center)		130 ft.
Traverse:	ft	130 ft.
Longitudinal	ft	Independent Leg
Independent leg or matt:		48 ft.
Spud can diameter:	ft	14 ft.8ft.below hull when fully Retracted.
Spud can height:	ft	1809.56 sq. ft
Spud can footing area	sq. ft	Yes
Spud can jetting system: Low & High pr(150 & 750+psi)		Low pressure only
	yes/no	Yes
Bottom jets:	yes/no	No
Top jets:	yes/no	N/A
Mat dimensions:		Cantilever
Length:	ft	No
Width:	ft	
Depth:	ft	0 ft to 35 ft
Cantilever or slot:		10 ft port /10 ft starboard
Skid-off:	yes/no	N/A
Cantilever envelope:		
Reach AFT, from / to:	ft/ft	
Transverse, port/stbd:	ft/ft	N/A
Slot dimensions:		
Length:	ft	
Width:	ft	
Mat slot dimensions:		1000 Kips
Length:	ft	
Width:	ft	
Max. cantilever load: (combined hook + rotary + setback)	kips	1000 Kips
Max. rotary load:	kips	

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Max. setback load: kips		1000 Kips
Fuel Consumption (avg. drilling): bbl/day		87 bbl/day
Accommodation for max. # of personnel: no. (See K.2.1):		82 person + optional 12 man quarters= 94
A.2 STORAGE CAPACITIES		
Fuel: bbl		4587.26 bbls.
Drilling water: bbl		5670.36 bbls.
Potable water: bbl		819.08 bbls.
Mud processing tank (see F.2): bbl		N/A
Active liquid mud (see F.2): bbl		1,535.87 bbls
Independent oil base mud storage: bbl		N/A
Agitated: yes/no		No
Independent base oil storage: bbl		N/A
Independent brine storage: bbl		N/A
Heavy brine accepted (e.g. bromide): yes/no		No
Bulk bentonite/barite: (see F.3) ft3		3390 ft3
Bulk cement: (see F.3) ft3		3390 ft3
Sack storage: sacks		4,500 sacks
Pipe rack: ft2		
Upper racks dimensions: ft x ft		
Maximum load capacity: lb/ft2		350 lbs/ft ²
Lower rack dimensions: ft x ft		
Maximum load capacity: lb/ft2		540 lbs/ft2
Top of Accommodations: ft x ft		
Maximum load capacity: lb/ft2		90 lbs/ft2
Other rack: ft x ft		
Maximum load capacity: lb/ft2		
Miscellaneous storage area: ft2		350 Sq. Ft.
Operator storage area: ft2		
Preload capacity (Required): st		12,600 S.T.
Time to fill and dump preload: hrs		24 hours
A.3 JACKUP SYSTEMS		
A.3.1 Jacking Systems		
Make/type: National 400		National Jacking System Opposed Pinion, Independent Driven
No. - jacks or pinions: no.		12 per leg
Maximum variable jacking load: kips		440 kips per pinion
Jacking speed: ft/min		1.1 ft./ min. Raising / Lower 1.3 ft per min.
Rack chocks available: yes/no		No
Required for field tow: yes/no		No
Required for ocean tow: yes/no		No
A.3.2 Raw Water Systems		
	no	Three
Pump location deep well shuck		Port side Amidships
Suction distance below hull (max): ft		130 ft, hoses
Salt water service pump:		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Quantity: no.		3
Make/Type:		Sulzer / Submersible
Capacity: gal/min		Model – 9L-1200-1B2c
@ pressure: psi		1250 GPM
Horsepower: hp		120 psi
		100
Salt water service pump:		
Quantity: no.		
Make/Type:		
Capacity: gal/min		
@ pressure: psi		
Horsepower: hp		
Salt water service pump:		
Quantity: no.		
Make/Type:		
Capacity: bbl/min		
@ pressure: psi		
Horsepower: hp		
Dedicated preload pumps:		
Quantity: no.		N/A
Make/Type:		
Capacity: bbl/min		
@ pressure: psi		
Horsepower: hp		
Dedicated preload pumps:		Deepwell pumps used for pre-load
Quantity: no.		
Make/Type:		
Capacity: bbl/min		
@ pressure: psi		
Horsepower: hp		
A.4 OPERATIONAL CAPABILITIES		
Maximum design water depth capability: ft		300 ft
Outfitted max/min water depth capability: ft		250 ft max / 30 ft minimum
Normal minimum water depth capability: ft		25 ft.
Draft at load line (deepest): ft		14.6 ft
Drilling depth capability (rated): ft		25,000 ft
Transit speed towed (historical avg.): knots		4 knots
Leg (spud can) below hull in transit (Field Move): ft		64.77ft Includes 8ft of Tip
Maximum leg length permitted in tow:		
Ocean tow (Wet): ft		318.04 ft
Field tow: ft		414.52 ft
Number of tugs for field tow: no.		3
Associated minimum bollard pull per tug: st		53.33 for 160 MT
Anti-roll system: yes/no		No
Maximum preload reaction: kips		584.07 kips / pinion
Bearing pressure at maximum preload: lb/ft ²		12,072
Thrusters: yes/no		No
Quantity: no.		
Fixed/Azimuthing		
Total horsepower per thruster: hp		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
A.5 VARIABLE LOAD CAPACITY (VL) (exclusive of drilling loads)		
Transit VL capacity:	kips	6884
Drilling VL capacity:	kips	5416
Survival VL capacity:	kips	4172
Emergency Jacking VL capacity:	kips	9044
A.6 ENVIRONMENTAL LIMITS		
Transit		
Max. wave height:	ft	
Max. wave period:	sec	10 sec
Max. wind velocity:	knots	100 Knots
Max. current velocity:	knots	
Max. heave (double amplitude):	ft	
Max. pitch (double amplitude):	degrees	15°
Max. roll (double amplitude):	degrees	15°
Working water depth:	ft	300
Drilling:		
Air gap (below bottom of main hull):	ft	65
Max. wave height:	ft	65 @ 170 Water Depth 39.5 ft Penetration
Max. wave period:	sec	12
Max. wind velocity:	knots	70
Max. current velocity:	knots	0.00
Survival:		
Air gap (below bottom of main hull):	ft	65
Max. wave height:	ft	60
Max. wave period:	sec	12
Max. wind velocity:	knots	100 kts
Max. current velocity:	knots	0.00
A.7 MOORING SYSTEM		
A.7.1 Anchor Winches		
Quantity:	no.	N/A
Make/model:		
Type (electric/hydraulic/diesel):		
Total HP per winch:	hp	
Rated pull:	st	
Control locations (local/remote/both):		

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ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
<p>A.7.2 Anchors</p> <p>Quantity: no.</p> <p>Make/type:</p> <p>Weight : lbs.</p>		N/A
<p>A.7.3 Anchor Lines</p> <p>Wire</p> <p>Quantity: (installed + spare): no.</p> <p>Make/type:</p> <p>Construction:</p> <p>Diameter: in</p> <p>Useful length (nominal): ft</p>		N/A
<p>A.7.4 Towing Gear</p> <p>Towing bridle size:</p> <p>Hook-up system:</p> <p>Rating:</p> <p>Spare bridle</p>		Smith Bits 220 Tons
<p>A.7.5 Supply Vessel Mooring System</p> <p>System description:</p> <p>Rating: st</p> <p>Location (port/stbd/both):</p>		4" Nylon Mooring Lines 324,000 lbs Bow / Strb.
<p>A.8 MARINE LOADING HOSES</p> <p>Location of loading manifolds (port/stbd/both):</p>		Manifolds on Both Sides, Hoses used on Port and Stbd - side are the same size and length
<p>A.8.1 Potable Water Hoses</p> <p>Quantity:</p> <p>Size:</p> <p>Make/type:</p> <p>Color coding:</p> <p>Make/type connection:</p>		2 3 in x 150 ft. Copper State Yes Cam Lock
<p>A.8.2 Drilling Water Hose</p> <p>Quantity:</p> <p>Size:</p> <p>Make/type:</p> <p>Color coding:</p> <p>Make/type connection:</p>		2 4 in x 100 ft. Copper State Yes Cam Lock
<p>A.8.3 Gas/Fuel Oil Hose</p> <p>Quantity:</p> <p>Size:</p> <p>Make/type:</p> <p>Color coding</p>		2 3 in x 150 ft Copper State Yes

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Load/radius/speed (minimum radius): st/ft/(ft/sec)		
Load/radius/speed (maximum radius): st/ft/(ft/sec)		
Whip capacity and hoist speed: st/ft/(ft/sec)		N/A
Hook load indicator automatically:		
corrected for boom angle: yes/no		Yes
Alarm (audible, visual, both):		Both
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		
Specification (API, etc.):		
Make:		
Type:		
Location (frwd/aft/port/stbd):		
Boom length: ft		
Hook reach below main deck (block/whip): ft/ft		
Block capacities and hoisting speeds:		
Load/radius/speed (minimum radius): st/ft/(ft/sec)		
Load/radius/speed (maximum radius): st/ft/(ft/sec)		
Whip capacity and hoist speed: st/ft/(ft/sec)		
Hook load indicator automatically:		
corrected for boom angle: yes/no		
Alarm (audible, visual, both):		
Automatic brake: yes/no		
Safety latch on hooks: yes/no		
Crown saver (limit switch): yes/no		
Boom illumination: yes/no		
 Quantity: no.		
Specification (API, etc.):		
Make:		
Type:		
Location (frwd/aft/port/stbd):		
Boom length: ft		
Hook reach below main deck (block/whip): ft/ft		
Block capacities and hoisting speeds:		
Load/radius/speed (minimum radius): st/ft/(ft/sec)		
Load/radius/speed (maximum radius): st/ft/(ft/sec)		
Whip capacity and hoist speed: st/ft/(ft/sec)		
Hook load indicator automatically:		
corrected for boom angle: yes/no		
Alarm (audible, visual, both):		
Automatic brake: yes/no		
Safety latch on hooks: yes/no		
Crown saver (limit switch): yes/no		
Boom illumination: yes/no		
 Quantity: no.		
Specification (API, etc.):		
Make:		
Type:		
Location (frwd/aft/port/stbd):		
Boom length: ft		
Hook reach below main deck (block/whip): ft/ft		
Block capacities and hoisting speeds:		
Load/radius/speed (minimum radius): st/ft/(ft/sec)		
Load/radius/speed (maximum radius): st/ft/(ft/sec)		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Whip capacity and hoist speed: st/ft/(ft/sec)		
Hook load indicator automatically corrected for boom angle: yes/no		
Alarm (audible, visual, both):		
Automatic brake: yes/no		
Safety latch on hooks: yes/no		
Crown saver (limit switch): yes/no		
Boom illumination: yes/no		
A.9.2 Forklifts		
Quantity:		1
Make/type:		Catipellier -85P-25
Rated capacity:		4,450 lb
Explosion proof:		Electric
A.9.3 Monorail Overhead Cranes		
Quantity: no.		N/A
Make:		
Type:		
Rated Capacity: st		
Location(s):		
Quantity: no.		
Make:		
Type:		
Rated Capacity: st		
Location(s):		
Quantity: no.		
Make:		
Type:		
Rated Capacity: st		
Location(s):		
A.9.4 Air Hoist/Derrick Winches		
A.9.4.1 Rig Floor Winches (Non man-riding)		
Quantity: no.		Starboard side of Drill Floor 1 S/N A015671
Make:		Ingersoll-Rand
Type:		FA51-24XK1GJ123P1-CE
Rated capacity: lbs		10,000 Lbs.
Wire diameter: in		3/4"
Automatic brakes: yes/no		Yes
Overload protection: yes/no		No
Automatic spooling: yes/no		No
		Port side of Drill Floor

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Quantity: no. Make: Type: Rated capacity: lbs Wire diameter: in Automatic brakes: yes/no Overload protection: yes/no Automatic spooling: yes/no		1 S/N - N/A Ingersoll-Rand FA2.5-24MK1 10,000 3/4" Yes No No
A.9.4.2 Monkey Board Work Winch		
Quantity: no. Make: Type: Rated capacity: lbs Wire diameter: in Automatic brake: yes/no Overload protection: yes/no		1 - Derrick Ingersoll Rand BU7APTAB-15 1,500 5/16" Yes No
A.9.4.3 Rig Floor "Man-Riding" Winch		
Quantity: no. Make: Type: Rated capacity: lbs Wire diameter: in Non-twisted wire: yes/no Automatic brakes: yes/no Overload protection: yes/no Automatic spooling: yes/no		2 Total **** Rig Floor **** Stbd – S/N – KG022596 M/N – FA150KGI-MR12-1-EH Port – S/N – KG010894 M/N – FA150KGI-MR12-1-EH 1 Below Sub-Structure **** STBD Bop Deck- Model – FA150KGI-MR12-1-EH S/N – KG013283 Ingersoll-Rand
A.9.4.4 Utility Winch (i.e. Deck Winch)		
Quantity: no. Make:		3 Total Ingersoll-Rand

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Make/type:		Conex Shipping Container / Closed Top
Quantity: no. Make/type:		1 – 18" x 18" x 48" Basket / BOP deck work tools
Quantity: no. Make/type:		1 – 4' x 4' x 4' Closed top container / cargo Transport, storage box
A.10 HELICOPTER LANDING DECK		
Location (frwd/aft/port/stbd):		Bow
Dimensions: ft / ft		62X66'
Perimeter safety net: yes/no		Yes
Deck load capacity: lb/ft2		6.86 lb/ft2
Maximum helicopter weight: kips		19.15 kips
Designed for helicopter type:		S-61
Tie down points: yes/no		Yes
Covered by foam fire system (see L.3.6): yes/no		Yes
A.10.1 Helicopter Refueling System		
None available		
System make/type:		
Fuel storage capacity: gal		
Jettison able: yes/no		
Fuel transport container, quantity: no.		
Volume: gal		
Fuel transport containers: no.		
Volume: gal		
Covered by foam fire system (see L.3.6) yes/no		
A.11 AUXILIARY EQUIPMENT		
A.11.1 Water Distillation		
Quantity: no.		2
Make/type:		Reilly Beaird TCF-7.5-
Capacity (each/total): gal/day		8000 gal@ day
Quantity: no.		1Seimens 1000XB SWT
Make/type:		Reverse Osmosis
Capacity (each/total): gal/day		42,000 gal./day
A.11.2 Boilers		
N/A		
Quantity: no.		
Make/type:		
Capacity (total system): lbs/hr		
Quantity: no.		
Make/type:		
Capacity (total system): lbs/hr		
A.11.3 Air Conditioning		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Counter balance, system for rig tongs and pipe spinning tong: yes/no		Yes
Lighting system explosion proof: yes/no		Yes
B.1.2 Racking Platform		
Make/type:		Load-Master
Total current simultaneous capacity - drill pipe:		21,950 ft..
5" DP: ft		21,500 ft
8" DC: ft		465 ft. / 9-1/2" DC
Total		21,950 ft
Tubing belly board: yes/no		Yes
B.1.3 Automated Pipe Handling		
Make/type:		N/A
Description:		
Make/type:		
Description:		
Make/type:		
Description:		
Make/type:		
Description:		
B.1.4 Casing Stabbing Board		
Make/type:		Yes
Adjustable from/to height above rotary: ft/ft		Load Master – Air Operated Winch - ML500K-1C10-C6 SP541-0625-97 SWL – 2,000 lbs 20 – 60 Ft
B.1.5 Substructure		
Make/type:		LEIVINGSTON
Drill floor height (above main deck): ft		28' 09"
Length: ft		31'
Width: ft		56.5'
Setback capacity: kips		1000 Kips
Simultaneous setback + hook load capacity: kips		1000 Kips
Rotary beam capacity (total): kips		1000 kips
Clear height below rotary table beams (to main deck): ft		23 ft.5 in
B.1.6 Weather Proofing		
Rig floor windbreaks: yes/no		Yes
Derrickman windbreaks: yes/no		No
Around process pits: yes/no		No
B.1.7 Derrick TV Camera System		
Camera located at:		Monkey Board
Make/type:		Pelco

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Zoom/Pan/Tilt-function: yes/no Monitor located at:		Yes Driller's Console
B.1.8 Mechanical Mouse Hole yes/no		Yes
B.2 DRAWWORKS AND ASSOCIATED EQUIPMENT		
B.2.1 Drawworks		
Make/type:		National Oilwell E-3000
Motors make/type:		G.E / 752 D.C.
Quantity: no.		3 No.
Rated input power: hp		3000 hp.
Drum size (diameter x length): in x in		30in.X 56in.
Drum type (grooved/smooth)		Lebus grooved
For drill line size: in		1 ½ Inch
Brake type (disc/drum)		Drum
Maximum line pull 12 lines: kips		1240 kips
Maximum line pull 10 lines: kips		1033 kips
Maximum line pull 8 lines: kips		826 kips
Makeup cathead type:		Foster
Breakout cathead type:		Foster
Crown block safety devices:		Yes
Make/type:		Stewart-Stevenson / TCB
Make/type:		
Independent fresh water cooling system for drawworks and electric brake: yes/no		Yes
Automatic driller: yes/no		None available
Make/type:		
B.2.2 Auxiliary Brake		
Make:		Baylor Elmago
Model:		7838W
Independent back-up system type:		None available
B.2.3 Sandline		
Make:		no
Length capacity: ft		
Line size/type:		N/A
Breaking strength: st		
Safe working load: st		
B.2.4 Slickline Unit		
Make/model:		N/A
Wire length (nominal): ft		
Wire size: in		
Breaking strength: lbs		
Safe working load: lbs		
Depth counter: yes/no		

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ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Pull indicator: lbs.		
B.3 DERRICK HOISTING EQUIPMENT		
B.3.1 Crown Block		
Make/type:		M/N – A-600 S/N – B43-333 National Oilwell
Rated capacity: st		500-T
No. of sheaves: no.		7 No.
Sheave diameter: in		60 in.
Sheave grooved for line size: in		1 1/2 in.
B.3.2 Traveling Block		
Make/type:		M/N – 760H650 S/N – 110641 National Oilwell
Rated capacity: st		500-T
No. of sheaves: no.		6 No.
Sheave diameter: in		60 in.
Sheave grooved for line size: in		1 1/2
B.3.3 Hook		
Make/type:		N/A
Rated capacity: st		
Complete with spring assembly/hook		
Locking device: yes/no		
B.3.4 Swivel		
Make/type:		National Oilwell
Rated capacity: st		500 -T
Test/working pressure: psi/psi		7500/5000
Gooseneck and wash pipe minimum ID: in		3"
Left hand pin connection type:		Yes
Access fitting for wire line entry on		
Top gooseneck: yes/no		No
B.3.5 Drilling Line		
Diameter: in		1 1/2 in.
Construction:		1-1/2" x 10,000' 6x19 EEIPS IWRC RREG Drill Line
Length (original): ft		10,000 ft.
Drilling line reel:		084749A50
Drum cover: yes/no		Yes
Drilling line drum power driven: yes/no		Yes
Spare drilling line: yes/no		Yes
Location (rig, shore, etc.):		Shore

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ADDITIONAL INFORMATION / SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Roller guides: yes/no		Yes – Located at first section Above Drawworks
B.3.6 Dead Line Anchor		
Make/type:		Hercules -121 SN – 163 44.6-T
Weight sensor: yes/no		Yes / Martin Decker E80
Deadline dampener: yes/no		Yes
B.3.7 Block Guidance System		
Make		Varco TDS Dolly / Loadmaster track
B.4 ROTATING SYSTEM		
B.4.1 Rotating Table		
Make/type:		National Oilwell / C495 SN – 177 Inspected Oct. 29, 2003 O & M Equip. W.O # 130741
Maximum opening: in		49.5 in.
Rated capacity: st		500-T
Two speed gearbox: yes/no		Yes
Emergency chain drive: yes/no		None available
Driven by an independent electric motor: yes/no		Yes
Electric motor make/type:		GE 752
Output power: hp		1000 hp
Maximum continuous torque: ft/lbs		34,000 ft/lbs
Drip pan/mud collection system: yes/no		Yes
B.4.2 Master Bushings		
Make/type:		Varco / MPCH
Insert bowls:		#1 bowl – 13-3/8” to 11-3/4” #2 bowl – 10-3/8” to 9- 5/8” #3 bowl – 8-5/8” 1- set bushing pullers
B.4.3 Kelly Bushing		
Make/type:		N/A
Lock down assembly: yes/no		
B.4.4 Top Drive		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Make:		Varco / TDS 3H
Type (electric/hydraulic):		M/N – 5GE752AUP3
Rated capacity:	st	SN – 8709021
Test/working pressure:	psi/psi	Electric
Output power:	hp	500 ton
Maximum continuous torque:	ft-lbs	7,500
		1000
		27,600 @ 150 – 183 rpm
		GE-752, Std. Series
Two-speed gear box	yes/no	No, Single
Maximum rotary speed:	rpm	207 RPM
Remote operated Kelly cock:	yes/no	Yes
Cooling system type:		Forced Air
Upper inside BOP (see also D.1.15)		
Quantity:	no.	2 each actuator and manual
Make/type:		Varco
Working pressure:	psi	5000
Max. OD body:	in	7-3/8"
Max. ID body:	in	3"
Connection type (box):		7-5/8 reg pin
Connection type (pin):		6 -5/8 reg pin
B.4.4.1 Top Drive Makeup / Breakout System		
Make/type:		Pipe handler / Varco
Model:		PH-60
		SN - 5026
Max. makeup torque:	ft/lbs	60,000 ft/lb
Max. break out torque:	ft/lbs	60,000 ft/lb
Raised backup system:	yes/no	No
Make/type:		
Working height (range):	ft/ft	
C. POWER SUPPLY SYSTEMS		
C.1 RIG POWER PLANT		
C.1.1 Diesel Engines		
Quantity:	no.	
Make/type:		3-EMD 16-645-E8
Maximum continuous power:	hp	1,950 hp each
At rotation speed of:	rpm	900 rpm
Equipped with spark arrestors:	yes/no	No
Mufflers installed:	yes/no	Yes
Quantity:	no.	(Manf. – March 1982)
Make/type:		
Maximum continuous power:	hp	
At rotation speed of:	rpm	

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Equipped with spark arrestors: yes/no Mufflers installed: yes/no Quantity: no. Make/type: Maximum continuous power: hp At rotation speed of: rpm Equipped with spark arrestors: yes/no Mufflers installed: yes/no Total fuel consumption, drilling (avg): bbl/day		85 bbls/day
C.1.2 DC – Generator		
Quantity: no. Make/type: Continuous power: kw At rotation speed of: rpm Output volts: volts		N/A
Quantity: no. Make/type: Continuous power: kw At rotation speed of: rpm Output volts: volts		
C.1.3 AC – Generator		
		AC Generator Control 600 Volts 2525 Amps 2635 KVA 60.3 Hz 1500 KW
Quantity: no. Make/type:		3 EMD-AB20-N6
Continuous power: kw At rotation speed of: rpm Output volts: volts		2625 KVA 900 RPM, 3 Phase 600 Volts 60 Hz
Quantity: no. Make/type: Continuous power: kw At rotation speed of: rpm Output volts: volts		
C.1.4 SCR System		
Number of SCR: no. Make/type:		4 - (Manf. – Dec. 1982)
Maximum continuous power (total): kw Output volts: volts		5000 750 Volts DC 1650 Amps DC
C.1.5 Transformer System		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Quantity: no. Make/type: Continuous power (each): kva Output volts: volts Frequency: hz		2 International Transformer/ Dry 1500 KVA 480 Volts 60 Hz.
Quantity: no. Make/type: Continuous power (each): kva Output volts: volts Frequency: hz		1 Olson Electric/ Dry 200 KVA 208 Volts 60 Hz.
Quantity: no. Make/type: Continuous power (each): kva Output volts: volts Frequency: hz		
C.1.6 Emergency Shutdown		
Emergency shutdown switches for the complete power system (AC & DC), located at the following points:		Rig Floor, Driller's console, Control House
C.1.7 Compressed Air Systems		
Air compressors - Cold Start: Quantity: no. Make: Model: Rated capacity: ft ³ /min Working pressure: psi Prime mover (electric/diesel): Continuous power: hp		1 Lister diesel engine K25-SR2 36 200 Diesel 12
Air compressors - Medium Pressure (rig air): Quantity: no. Make: Model: Rated capacity: ft ³ /min Working pressure: psi Prime mover (electric/diesel): Continuous power: hp		3 – Gardner Denver EBHQJA 832 125 AC Electric 50 hp x 3
Quantity: no. Make: Model: Rated capacity: ft ³ /min Working pressure: psi Prime mover (electric/diesel): Continuous power: hp		
Air dryers: Quantity: no. Make: Rated capacity: ft ³ /min		2 Pioneer 2400 150 psi

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
<p>Air compressors - Low Pressure (bulk air):</p> <p>Quantity: no.</p> <p>Make:</p> <p>Model:</p> <p>Rated capacity: ft3/min</p> <p>Working pressure: psi</p> <p>Prime mover (electric/diesel):</p> <p>Continuous power: hp</p> <p>Air dryers:</p> <p>Quantity:</p> <p>Make:</p> <p>Rated capacity: ft3/min</p> <p>C.1.8 Air Receivers</p> <p>Volume (total): ft3</p> <p>Pressure: psi</p> <p>Location:</p>		<p>2 Quincy</p> <p>2 - Manchester Tk. & Equip. Co.</p> <p>87 ft.3 125 maximum Mechanic Shop</p> <p>1 - Manchester Tk. & Equip. co.</p> <p>200 PSI WP 440.7 ft.3 Located on back of Drill floor</p>
<p>C.2 EMERGENCY GENERATOR</p> <p>C.2.1 Engine</p> <p>Quantity: no.</p> <p>Make/type:</p> <p>Maximum output: hp</p> <p>At rotation speed: rpm</p> <p>Automatic starting: yes/no</p> <p>Starting methods (air, hydraulic,, battery):</p> <p>Max. angle of operation: degrees</p> <p>C.2.2 AC - Generator</p> <p>Quantity: no.</p> <p>Make/type:</p> <p>Maximum output: amps</p>		<p>1 – Std-by Generator Caterpillar 379 400 hp 1200 Yes Battery 15 degrees</p> <p>1 Caterpillar SCR4 1450 Amps</p>

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered	
At rotation speed: rpm		1200 RPM	
Output volts: volts		480 Volts	
Capable of back-feeding power to main bus: yes/no		Yes	
D. DRILL STRING EQUIPMENT			
D.1 TUBULARS			
D.1.1 Kellys			
Quantity: no.		N/A	
Nominal size OD: in			
Shape type (hexagonal, square, triangular):			
Total / working length: ft / ft			
Connection type:			
Quantity: no.			
Nominal size OD: in		4-1/2" IF X 6-5/8" Reg.	
Shape type (hexagonal, square, triangular):			
Total / working length: ft / ft			
Connection type:			
D.1.2 Kelly/TDS Saver Subs			
Quantity: no.			3-1/2" IF X 6-5/8" Reg
Nominal kelly size: in			
Connection type:			
Protector:			
Quantity: no.		NA	
Nominal kelly size: in			
Connection type:			
Protector:			
Quantity: no.			NA
Nominal kelly size: in			
Connection type:			
Protector:			
D.1.3 Drill Pipe			
Drill pipe OD: in		NA	
Grade:			
Total length: ft			
Range:			
Weight: lbs/ft			
Internally plastic coated: yes/no			
Tool joint OD/ID: in/in			
Tool joint pin length (original): in			
Tapered shoulder tool joints (box/pins): degree/degree			
Connection type:			
Hard facing:			
API classification:			
Thread protectors: yes/no			
Drill pipe OD: in			
Grade:			

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Total length: ft Range: Weight: lbs/ft Internally plastic coated: yes/no Tool joint OD/ID: in/in Tool joint pin length (original): in Tapered shoulder tool joints (box/pins): degree/degree Connection type: Type of hardfacing: API classification: Thread protectors: yes/no Drill pipe OD: in Grade: Total length: ft Range: Weight: lbs/ft Internally plastic coated: yes/no Tool joint OD/ID: in/in Tool joint pin length (original): in Tapered shoulder tool joints (box/pins): degree/degree Connection type: Hardfacing: API classification: Thread protectors: yes/no		
D.1.4 Drill Pipe Pup Joints Tool joint OD/ID: in/in Grade: Length: ft Quantity: no. Length: ft Quantity: no. Length: ft Quantity: no. Length: ft Quantity: no. Weight: lbs/ft Connection type: Internally plastic coated: yes/no API Classification: Thread protectors: yes/no		No
Tool joint OD/ID: in/in Grade: Length: ft Quantity: no. Length: ft Quantity: no. Length: ft Quantity: no. Weight: lbs/ft Connection type: Internally plastic coated: yes/no API Classification:		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Thread protectors: yes/no		
Tool joint OD/ID: in/in		
Grade:		
Length: ft		
Quantity: no.		
Length: ft		
Quantity: no.		
Length: ft		
Quantity: no.		
Weight: lbs/ft		
Connection type:		
Internally plastic coated: yes/no		
Thread protectors: yes/no		
D.1.5 Drill Pipe Casing Protectors		No
Initial stock: no.		
Make/type:		
OD: in		
Installation tools (manual/hydraulic/none):		
Initial Stock: no.		
Make/type:		
OD: in		
Installation tools (manual/hydraulic/none):		
D.1.6 Heavy Weight Drill Pipe		No
Quantity: no.		
Nominal size OD: in		
Weight: lbs/ft		
Range:		
Tool joint OD / ID: in/in		
Type of hard facing:		
Internally plastic coated: yes/no		
Connection type:		
Thread protectors: yes/no		
Quantity: no.		
Nominal size OD: in		
Weight: lbs/ft		
Range:		
Tool joint OD / ID: in/in		
Type of hard facing:		
Internally plastic coated: yes/no		
Connection type:		
Thread protectors: yes/no		
D.1.7 Drill Collars		No
Quantity: no.		
OD body: in		
ID body: in		
Nominal length of each joint: ft		
Drill collar body (slick/spiral):		
Recess for "zip" elevator: yes/no		
Recess for slips: yes/no		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Stress relief pin groove: yes/no Boreback on box: yes/no Connection type: Quantity: no. OD body: in ID body: in Nominal length of each joint: ft Drill collar body (slick/spiral): Recess for "zip" elevator: yes/no Recess for slips: yes/no Stress relief pin groove: yes/no Boreback on box: yes/no Connection type: Quantity: no. OD body: in ID body: in Nominal length of each joint: ft Drill collar body (slick/spiral): Recess for "zip" elevator: yes/no Recess for slips: yes/no Stress relief pin groove: yes/no Boreback on box: yes/no Connection type: Quantity: no. OD body: in ID body: in Nominal length of each joint: ft Drill collar body (slick/spiral): Recess for "zip" elevator: yes/no Recess for slips: yes/no Stress relief pin groove: yes/no Boreback on box: yes/no Connection type: D1.8 Short Drill Collars Quantity: no. OD body: in ID body: in Nominal length of each joint: ft Stress relief pin groove: yes/no Boreback on box: yes/no Connection type: Quantity: no. OD body: in ID body: in Nominal length of each joint: ft Stress relief pin groove: yes/no Boreback on box: yes/no Connection type: Quantity: no. OD body: in ID body: in Nominal length of each joint: ft		No

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Stress relief pin groove: yes/no Boreback on box: yes/no Connection type:		
Quantity: no. OD body: in ID body: in Nominal length of each joint: ft Stress relief pin groove: yes/no Boreback on box: yes/no Connection type:		
D.1.9 Non-Magnetic Drill Collars		N/A
Quantity: no. OD body: in ID body: in Nominal length of each joint: ft Drill collar body (slick/spiral): Recess for "zip" elevator: yes/no Recess for slips: yes/no Stress relief pin groove: yes/no Boreback on box: yes/no Connection type:		
D.1.10 Core Barrels		N/A
Quantity: no. Make: Model: Size OD x ID: in x in Length: ft Top connection type: Spiral stabilizing ribs: yes/no Subs and handling tools: yes/no		
D.1.11 Stabilizers		N/A
Hole size: in Quantity: no. Make: OD blades: in Type blades (straight/spiral/welded/integral/sleeve): Type of blade hardfacing: OD body or fishing neck: in ID body: in Connection type: Float valve receptacle: yes/no		
Hole size: in Quantity: no. Make: OD blades: in Type blades (straight/spiral/welded/integral/sleeve): Type of blade hardfacing:		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
OD body or fishing neck: in ID body: in Connection type: Float valve receptacle: yes/no Hole size: in Quantity: no. Make: OD blades: in Type blades (straight/spiral/welded/integral/sleeve): Type of blade hardfacing: OD body or fishing neck: in ID body: in Connection type: Float valve receptacle: yes/no Hole size: in Quantity: no. Make: OD blades: in Type blades (straight/spiral/welded/integral/sleeve): Type of blade hardfacing: OD body or fishing neck: in ID body: in Connection type: Float valve receptacle: yes/no		
D.1.12 Roller Reamers		N/A
Hole size: in Quantity: no. Make: OD body: in ID body: in OD fishing neck: in Cutters supplied sets: no. Cutters, type: Connection, type:		
Hole size: in Quantity: no. Make: OD body: in ID body: in OD fishing neck: in Cutters, supplied sets: no. Cutters, type: Connection, type:		
Hole size: in Quantity: no. Make: OD body: in ID body: in OD fishing neck: in Cutters, supplied sets: no. Cutters, type:		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Connection, type:		
D.1.13 Shock Absorbers		N/A
Quantity: no.		
Make/type:		
OD body: in		
ID body: in		
OD fishing neck: in		
Connection type:		
Quantity: no.		
Make/type:		
OD body: in		
ID body: in		
OD fishing neck: in		
Connection type:		
D.1.14 Drilling Jars		N/A
Quantity: no.		
Make:		
Type (mechanical/hydraulic; up/down):		
OD body: in		
Min. ID body: in		
OD fishing neck: in		
Stroke: in		
Connection type:		
Quantity: no.		
Make:		
Type (mechanical/hydraulic; up/down):		
OD body: in		
Min. ID body: in		
OD fishing neck: in		
Stroke: in		
Connection type:		
Quantity: no.		
Make:		
Type (mechanical/hydraulic; up/down):		
OD body: in		
Min. ID body: in		
OD fishing neck: in		
Stroke: in		
Connection type:		
D.1.15 Inside BOP Valve (see also B.4.4)		
Quantity: no.		2

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Make: OD: in Min. ID: in Connection type: Working pressure: psi Quantity: no. Make: OD: in Min. ID: in Connection type: Working pressure: psi		I-BOP / Gray OMSCO SN – GM 5842 SN – GM 3015 WP – 10,000 psi 6.5 in. 4-1/2" IF 10,000 Seal Kit PN – GM98SK Global Mfg. of Acadiana 2 I-BOP / Gray 4 3/4 in. 2-7/8" 3-1/2" IF 10,000
D.1.16 Fast Shut-Off Coupling		N/A
Make/type: Quantity: no. Size tool joint to fit:		
Make/type: Quantity: no. Size tool joint to fit:		
D.1.17 Circulation Head		
Quantity: no. Make/type: Bottom connection type: Top connection type: Wireline stripper: yes/no Working pressure: psi		1 Integral / Side Entry 4-1/2" IF Pin x 4 1/2" IF Box 2" Weco 1502 No 10,000 psi
Quantity: no. Make/type: Bottom connection type: Top connection type: Wireline stripper: yes/no Working pressure: psi		1 Integral 4 1/2" Pin 2" Weco 1502 No 10,000 psi
D.1.18 Kelly Cocks		
Upper: Quantity: no. Make/type: Working pressure: psi Max. OD body: in Min. ID body: in Connection type:		2 – Splined for TDS Varco / Dual crank / Splined SN – IBUG14A425 SN – IBUG28C179 10,000 psi 7 3/4 in. 3" 6-5/8" Reg Box X Box
Quantity: no. Make/type:		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Size: in test cup for casing weight: lb/ft Connection type:		16" 84 to 109 4 1/2" IF
Quantity: no. Make: Size: in test cup for casing weight: lb/ft Connection type:		1 F-type 13 3/8" 68 to 72 4 1/2" IF
Quantity: no. Make: Size: in test cup for casing weight: lb/ft Connection type:		1 F-type 9 7/8" 62.8 to 66.9 4 1/2" IF
Quantity: no. Make: Size: in test cup for casing weight: lb/ft Connection type:		1 F-type 9 5/8" 53.5 to 61.1 4 1/2" IF
Quantity: no. Make: Size: in test cup for casing weight: lb/ft		1 F-type 7 5/8" 29.7 to 39
Quantity: no. Make: Size: in test cup for casing weight: lb/ft Connection Type:		1 F-type 7" 29 to 38 4 1/2" IF
Quantity: no. Make: Size: in test cup for casing weight: lb/ft Connection type:		1 F-type 10 3/4" 55.5 to 73.2 4 1/2" IF
Quantity: no. Make: Size: in test cup for casing weight: lb/ft Connection type:		1 F-type 11 3/4" 60 to 79 4 1/2" IF
Quantity: no. Make: Size: in test cup for casing weight: lb/ft Connection type:		1 F-type 11 7/8" 62.8 to 71.8 4 1/2" IF

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
D.1.23 Near Bit - Subs (Box-Box)		
Quantity: no.		N/A
OD size: in		
ID size: in		
Top connection type:		
Bottom connection type:		
Bored for float valve: yes/no		
Float size: in		
Quantity: no.		
OD size: in		
ID size: in		
Top connection:		
Bottom connection:		
Bored for float valve: yes/no		
Float size: in		
Quantity: no.		
OD size: in		
ID size: in		
Top connection:		
Bottom connection:		
Bored for float valve: yes/no		
Float size: in		
Quantity: no.		
OD size: in		
ID size: in		
Top connection:		
Bottom connection:		
Bored for float valve: yes/no		
Float size: in		
Quantity: no.		
OD size: in		
ID size: in		
Top connection:		
Bottom connection:		
Bored for float valve: yes/no		
Float size: in		
Quantity: no.		
OD size: in		
ID size: in		
Top connection type:		
Bottom connection type:		
Bored for float valve: yes/no		
Float size: in		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
<p>D.1.24 Crossover Subs</p> <p>Quantity: no. OD size (max/min): in/in ID size: in Top connection size: Type (pin/box): Bottom connection size: Type (pin/box):</p> <p>Quantity: no. OD size (max/min): in/in ID size: in Top connection size: Type (pin/box): Bottom connection size: Type (pin/box):</p> <p>Quantity: no. OD size (max/min): in Id Size: in Top connection size: Type (pin/box): Bottom connection size: Type (pin/box):</p> <p>Quantity: no. OD size (max/min): in Id Size: in Top connection size: Type (pin/box): Bottom connection size: Type (pin/box):</p> <p>Quantity: no. ID size: in OD size (max/min): in/in Top connection size: Type (pin/box): Bottom connection size: Type (pin/box):</p> <p>Quantity: no. OD size (max/min): in/in ID size: in Top connection size: Type (pin/box): Bottom connection size: Type (pin/box):</p> <p>Quantity: no. OD size (max/min): in/in ID size: in Top connection size: Type (pin/box): Bottom connection size:</p>		N/A

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Type (pin/box): Quantity: no. OD size (max/min): in/in ID size: in Top connection size: Type (pin/box): Bottom connection size: Type (pin/box): Quantity: no. OD size (max/min): in/in ID size : in Top connection size: Type (pin/box): Bottom connection size: Type (pin/box): Quantity: no. ID size: in OD size (max/min): in/in Top connection size: Type (pin/box): Bottom connection size: Type (pin/box): Quantity: no. ID size: in OD size (max/min): in/in Top connection size: Type (pin/box): Bottom connection size: Type (pin/box): Quantity: no. ID size: in OD size (max/min): in/in Top connection size: Type (pin/box): Bottom connection size: Type (pin/box): (Contractor to provide all cross overs for its drill string)		
D.1.25 Drilling Bumper Subs		N/A
Quantity: no. Make: OD: in Stroke: in Connection type:		
Quantity: no. Make: OD: in Stroke: in Connection type:		
Quantity: no.		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Make: OD: in Stroke: in Connection type: Quantity: no. Make: OD: in Stroke: in Connection type:		
D.1.26 Hole Openers		N/A
Quantity: no. Make: OD: in Connection type:		
Quantity: no. Make: OD: in Connection type:		
D.1.27 Undereamer		N/A
Quantity: no. Make/type: OD min/OD max: in/in Connection type:		
Quantity: no. Make/type: OD min/OD max: in/in Connection type:		
D.2 HANDLING TOOLS		
D.2.1 Drill Pipe Elevators		
Size: in Quantity: no. Make: Model: Rated capacity: st		5 in. 1 BJ GG 350t
Size: in Quantity: no. Make: Model: Rated capacity: st		3 ½ in. 2 Varco MGG 250t
Size: in Quantity: no. Make: Model: Rated capacity: st		5" 1 Blohm Voss 350
D.2.2 Drill Collar Elevators		N/A

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Size: in Quantity: no. Make: Model: Rated capacity: st		
Size: in Quantity: no. Make: Model: Rated capacity: st		
Size: in Quantity: no. Make: Model: Rated capacity: st		
Size: in Quantity: no. Make: Model: Rated capacity: st		
D.2.3 Tubing Elevators		
Size (max/min): in/in Quantity: no. Make: Model: Rated capacity: st		
Size (max/min): in/in Quantity: no. Make: Model: Rated capacity: st		
D.2.4 Drill Pipe Hand Slips		
Size: in Quantity: no. Make/type:		5 1/2" X 5" 2 Varco SDXL - SDHL
Size: in Quantity: no. Make/type:		3-1/2" 2
Size: in Quantity: no. Make/type:		4 1/2" X 3 1/2 " 1 Varco SDXL
Size: in Quantity: no. Make/type:		
D.2.5 Semi-Automatic DP Slips		N/A
Size range (largest/smallest): in/in		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Quantity: no. Make/type:		
D.2.6 Drill Collar Slips		
Size: in Quantity: no. Make/type:		9 1/2" 1
Size: in Quantity: no. Make/type:		8" 1
Size: in Quantity: no. Make/type:		6 1/2" 1
Size: in Quantity: no. Make/type:		4 3/4" 1
D.2.7 Drill Collar Safety Clamps		
Quantity: no. Range: in/in		2 6-1/2 in to 9-1/2 in
Quantity: no. Range: in/in		2 3-1/2 in to 4-3/4" in
Quantity: no. Range: in/in		
Quantity: no. Range: in/in		
D.2.8 Tubing Slips		
Size: in Quantity: no. Make/type:		2-7/8" – 3-1/2" 2
Size: in Quantity: no. Make/type:		4-1/2" – 5-1/2" 2
D.2.9 Tubing Spider		N/A
Slip size (max/min): in/in Quantity: no. Make: Adapter Plate:		
D.2.10 Drill Collar Lifting Subs		N/A
Quantity: no. For DC OD: in Connection Type:		
Quantity: no.		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
For DC OD: in Connection Type:		
Quantity: no. For DC OD: in Connection Type:		
Quantity: no. For DC OD: in Connection Type:		
D.2.11 DC Lifting Plugs		
Quantity: no. For OD DC: in Connection Type:		
Quantity: no. For OD DC: in Connection Type:		
Quantity: no. For OD DC: in Connection Type:		
Quantity: no. For OD DC: in Connection Type:		
D.2.12 Bit Breakers		
Quantity: no. For bit size: in		1 26"
Quantity: no. For bit size: in		1 17-1/2 in
Quantity: no. For bit size: in		1 12 1/4"
Quantity: no. For bit size: in		1 8 1/2"
Quantity: no. For bit size: in		1 6"
Quantity: no. For bit size: in		1 6 1/8"
Quantity: no. For bit size: in		1 5 7/8"
Quantity: no. For bit size: in		1 36"
D.2.13 Elevator Links		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Quantity of sets: no.		1 set
Make/type:		SN – 824L
Size: in		SN – 824R
Length: ft		Varco
Rated capacity: st		4 ¾"
Quantity of sets: no.		189"
Make/type:		500 T
Size: in		1 set
Length: ft		SN – 657L
Rated capacity: st		SN – 657R
Quantity of sets: no.		Varco
Make/type:		3 ½"
Size: in		132
Length: ft		350 -T
Rated capacity: st		
Quantity of sets: no.		1 set
Make/type:		SN – 325L
Size: in		SN – 325R
Length: ft		Varco
Rated capacity: st		3 ½"
Quantity of sets: no.		108"
Make/type:		350 T
Size: in		
Length: ft		
Rated capacity: st		
D.2.14 Kelly Spinner		
Make/type:		N/A
D.2.15 Drill pipe Spinner		
Make/type:		Varco / SSW40
Size (max/min): in/in		2 3/8" to 6 5/8" drill pipe
D.2.16 Mud Saver Bucket		
Make:		2
Size: in		1 ea Oteco
Make:		3 ½" – 5"
Size: in		
Make:		1 ea Kelly-Kan
Size: in		3 ½" - 5"
D.2.17 Hydraulic Make-Up/Breakout Machine (e.g. EZ Torque)		
Make/type:		Yes
Maximum line pull: ft lbs		Drilco Model "D" Easy. RQ
		SN - 16598
		179,000 ft lbs
D.2.18 Rotary Rig Tongs		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Quantity (sets): no.		2 ea
Make/type:		2 – HT-65, 2 - HT-100
Size range (max OD/min OD): in/in		3-1/2" to 17" (HT-65)
		4" – 17" (HT-100)
Torque rating: ft-lbs		65,000 ft-lbs (HT-65)
		100,000 ft-lbs (HT-100)
Quantity (sets): no.		2
Make/type:		BJ / "C"
Size range (max OD/min OD): in/in		2 7/8 in – 5 1/2 in
Torque rating: ft/lbs		32,000 ft/lbs
D.2.19 Tubing Tongs (manual)		N/A
Quantity (sets): no.		
Make/type:		
Size range (max OD/min OD): in/in		
Torque rating: ft/lbs		
D.2.20 Tubing Tong Power		N/A
Quantity: no.		
Make/type:		
Size range (max OD/min OD): in/in		
Max output torque: ft/lbs		
Torque indicator: yes/no		
Back-up arm: yes/no		
D.2.21 Iron Roughneck		
Make/type:		Nov ST 100
Size range (max OD/min OD): in/in		9 3/4" / 2 7/8"
Max. makeup torque: ft/lbs		100,000
Max. breakout torque: ft/lbs		120,000
D.3 FISHING EQUIPMENT		
To include all fishing tools for contractor provided tubular both from OD and ID.		
D.3.1 Overshots		None
Quantity: no.		
Make/type:		
Overshot OD: in		
To catch size: in		
To catch size: in		
To catch size: in		
Overshot guide OD: in		
Extension sub length: in		
Lipped guide (oversize, regular):		
Grapples (spiral, basket, both):		
Pack offs: yes/no		
Top subs connection type:		
Quantity: no.		
Make/type:		
Overshot OD: in		
To catch size: in		
To catch size: in		
Overshot guide OD: in		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Extension sub length: in Lipped guide (oversize, regular): Grapples (spiral, basket, both): Pack offs: yes/no Top sub connection type:		
Quantity: no. Make/type: Overshot OD: in To catch size: in To catch size: in To catch size: in Overshot guide OD: in Extension sub length: in Lipped guide (oversize, regular): Grapples (spiral, basket, both): Pack offs: yes/no Top sub connection type:		
Quantity: no. Make/type: Overshot OD: in To catch size: in To catch size: in To catch size: in Overshot guide OD: in Extension sub length: in Lipped guide (oversize, regular): Grapples (spiral, basket, both): Pack offs: yes/no Top sub connection type:		
Quantity: no. Make/type: Overshot OD: in To catch size: in To catch size: in To catch size: in Overshot guide OD: in Extension sub length: in Lipped guide (oversize, regular): Grapples (spiral, basket, both): Pack offs: yes/no Top sub connection type:		
Quantity: no. Make/type: Overshot OD: in To catch size: in To catch size: in To catch size: in Overshot guide OD: in Extension sub length: in Lipped guide (oversize, regular): Grapples (spiral, basket, both): Pack offs: yes/no Top sub connection type:		
Quantity: no. Make/type: Overshot OD: in To catch size: in To catch size: in To catch size: in Overshot guide OD: in Extension sub length: in Lipped guide (oversize, regular): Grapples (spiral, basket, both): Pack offs: yes/no Top sub connection type:		
D.3.2 Hydraulic Fishing Jar		NA

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Quantity: no. Make/type: OD body: in Min. ID: in Stroke: in Connection type: Repair kit: yes/no		
Quantity: no. Make/type: OD body: in Min. ID: in Stroke: in Connection type: Repair kit: yes/no		
Quantity: no. Make/type: OD body: in Min. ID: in Stroke: in Connection type: Repair kit: yes/no		
D.3.3 Jar Intensifier		N/A
Quantity: no. Make/type: OD body: in Min. ID: in Connection type: Repair kit: yes/no		
Quantity: no. Make/type: OD body: in Min. ID: in Connection type: Repair kit: yes/no		
D.3.4 Surface Jar		N/A
Quantity: no. Make/type: OD body: in Stroke: in Connection type: Repair kit: yes/no		
D.3.5 Fishing Bumper Subs		N/A
Quantity: no. Make/type: OD body: in Min. ID: in Stroke: in Connection type:		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Quantity: no. Make/type: OD body: in Min. ID: in Stroke: in Connection type:		
D.3.6 Safety Joints		N/A
Quantity: no. Make/type: OD body: in Min. ID: in Connection type:		
Quantity: no. Make/type: OD body: in Min. ID: in Connection type:		
D.3.7 Junk Baskets (Reverse Circulation)		N/A
Quantity: no. Make/type: For hole size: in OD body: in Connection type: Inside magnet available: yes/no Mill shoes type (A, B, C):		
Quantity: no. Make/type: For hole size: in OD body: in Connection type: Inside magnet available: yes/no Mill shoes type (A, B, C):		
Quantity: no. Make/type: For hole size: in OD body: in Connection type: Inside magnet available: yes/no Mill shoes type (A, B, C): yes/no		
D.3.8 Junk Subs		N/A
Quantity: no. Make/type: For hole size: in OD body: in Connection type:		
Quantity: no. Make/type: For hole size: in		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
OD body: in Connection type:		
Quantity: no. Make/type: For hole size: in OD body: in Connection type:		
D.3.9 Flat Bottom Junk Mill		N/A
Quantity: no. Make/type: OD flat mill: in Connection type:		
Quantity: no. Make/type: OD flat mill: in Connection type:		
Quantity: no. Make/type: OD flat mill: in Connection type:		
D.3.10 Magnet Fishing Tools		N/A
Quantity: no. Make/type: OD body: in Connection type:		
Quantity: no. Make/type: OD body: in Connection type:		
Quantity: no. Make/type: OD body: in Connection type:		
Ditch Magnet In Flow Channel Yes/No		Yes
D.3.11 Taper Taps		N/A
Quantity: no. Make: Tap OD (max/min): in/in OD body: in Length overall: ft Connection type:		
Quantity: no. Make: Tap OD (max/min): in/in OD body: in		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Length overall: ft Connection type: Quantity: no. Make: Tap OD (max/min): in/in OD body: in Length overall: ft Connection type:		
D.3.12 Die Collars Quantity: no. Make/type: OD (Max/Min): in/in OD body: in Length: ft Connection type: Quantity: no. Make/type: OD (Max/Min): in/in OD body: in Length: ft Connection type:		N/A
E. WELL CONTROL E.1 DIVERTER Fixed: yes/no Make/type: Maximum bore: in ID of insert packer: in Working pressure: psi Annular: no. Make/type: Maximum bore: in ID of insert packer: in Working pressure: psi Bottom connection: Size: in Working pressure: psi Gasket type:		Yes 29 1/2" Max. 500 1 Hydril / MSP 2000 21 1/4 in. 21 1/4 in. 2,000 psi R-73 2000 PSI 21-1/14 2,000 R-73 1 21-1/4" 2,000 Drilling Spool Complete with 2 ea. 11" 2M Side outlet flanges Top & btm flanges 2M, R-73
Rams: no. Make/type: Ram packer type: Ram packer type: Max bore size: Working pressure: psi		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Bottom connection: Size: in Working pressure: psi Gasket type: Number of Diverter outlets: no. Outlet OD (nominal): in		
E.1.1 Diverter Flow Lines		
Quantity: no. Nominal size of flow lines: in Running from Diverter to:		2 10" X 20' Port and starboard 2 ea. X 2' adapter spools – 10" , 2M flange X 10" Fig. 200 wing half hammer unions for above flow lines
Valve make/type:		WKM / ACF Gate
Quantity: no. Size: in Working pressure: psi Valve operator (air/hydraulic):		2 10" 600 psi Series 600, R-53 ring groove Hydraulic 1- Stack saver flange, 21-1/4" 2M X bell nipple flange 1- 21-1/4" Bell Nipple complete
Valve make/type:		
Quantity: no. Size: in Working pressure: psi Valve operator (air/hydraulic):		
System pressure rating: psi Flex hose in flow line: yes/no		3,000 psi No
E.1.2 Diverter Control Panel		
Primary make/type: Location:		Koomey Rig Floor
Remote make/type: Location:		Koomey 02 level Starboard
Remote make/type: Location:		Koomey Co Rep Office
E.2 LOW PRESSURE BLOWOUT PREVENTERS		
All appropriate components H2S rated: yes/no		Yes
E.2.1 Ram Type Preventers		
Quantity: no. Make/model:		1 ea. Cameron

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Type: (single/double/triple): Size: in Working pressure: psi Ram locks: yes/no Type (manual/hydraulic): H2S service: yes/no Side outlets: no. Size: in WP: psi Bottom connection: Top connection: Shear ram boosters: yes/no Quantity: no. Make/model: Type: (single/double/triple): Size: in Working pressure: psi Ram locks: yes/no Type (manual/hydraulic): H2S service: yes/no Side outlets: no. Size: in WP: psi Bottom connection: Top connection: Shear ram boosters: yes/no		Double 21-1/4 in 2,000 psi Yes Manual Yes 2 ea. 4-1/16 in 2,000 psi 21-1/4 in Flanged - R-73 21-1/4 in Flanged - R-73
E.2.2 Available Rams (installed & spare)		N/A
Quantity/type/size no./type/in Quantity/type/size no./type/in Quantity/type/size no./type/in Quantity/type/size no./type/in Quantity/type/size no./type/in Quantity/type/size no./type/in		5 in Pipe Shear/Blind
E.2.3 BOP Ram Configuration (normal)		
Upper: Middle Upper: Middle Lower: Lower:		Pipe Blind shear Pipe
E.2.4 Annular Preventer		
Quantity: no. Make/type: Size: in Working pressure: psi Bottom Connection: Top Connection:		1 Hydril / MSP-2000 21-1/4" R-73 2,000 psi R-73
E. 2.5 Kill Line Valves		
Quantity: no. Make/type: Size: in		1 Cameron 3 1/16

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Working pressure: psi		10,000 psi
Gasket type		BX 154
Hydraulic/manual/non-return:		Manual
Quantity: no.		1
Make/type:		Cameron
Size: in		3 1/16
Working pressure: psi		10,000 psi
Gasket type		BX154
Hydraulic/manual/non-return:		Hydraulic
Quantity: no.		2
Make/type:		Cameron
Size: in		3 1/16
Working pressure: psi		10,000 PSI
Gasket type		BX 154
Hydraulic/manual/non-return:		Manual
E.2.6 Choke Line Valves		
Quantity: no.		1
Make/type:		Cameron
Size: in		3 1/16
Working pressure: psi		10,000 psi
Gasket type		BX 154
Hydraulic/manual:		Manual
Quantity: no.		1
Make/type:		Cameron
Size: in		3 1/16
Working pressure: psi		10,000 psi
Gasket type		BX154
Hydraulic/manual:		Hydraulic
E.3 HIGH PRESSURE BLOWOUT PREVENTERS		
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/triple):		Double, Complete with 4 Ram Bonnets
Size: in		13-5/8
Working pressure: psi		10,000
Ram locks: yes/no		Yes
Type (manual/hydraulic):		Manual
H2S service: yes/no		Yes
Side outlets: no.		4
Size: in		4-1/16", BX-155
WP: psi		10,000
Bottom connection:		Flange – BX 159
Top connection:		Flange – BX 159
Shear ram boosters: yes/no		None
Quantity: no.		1

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Shear ram boosters: yes/no	Yes	None
E.3.2 Available Rams (installed & spare)		
Quantity/type/size: no./type/in		2 sets 13-5/8" X 5" pipe rams
Quantity/type/size: no./type/in		1 set 13-5/8" X Type VX Blind Shear rams
Quantity/type/size: no./type/in		1 ea. 3-1/2 in Pipe Ram
Quantity/type/size: no./type/in		2 ea. 2-7/8" – 5" Var. Pipe Rams
Quantity/type/size: no./type/in		1 Set 4 1/2" x 7" Var. Pipe
Quantity/type/size: no./type/in		1 set 13-5/6" X 7" casing rams
Quantity/type/size: no./type/in		1 set 3 1/2" x 5 1/2" Var. Pipe
Quantity/type/size: no./type/in		1 ea. 9-5/8" csg Pipe Rams
Quantity/type/size: no./type/in		1 ea. 13-3/8" Csg Pipe Rams
Quantity/type/size: no./type/in		1 set 2 7/8" Pipe Rams
Quantity/type/size: no./type/in		1 set 4 1/2" Pipe Rams
		Casing Rams 7", 7 5/8", 9 5/8", 9 7/8", 10 3/4", 11 3/4"
E.3.3 BOP Ram Configuration (normal)		
Upper:		2 7/8" x 5" Var
Upper middle:		Blind / Shear
Middle:		4 1/2" x 7"
Middle lower:		
Lower:		
E.3.4 Annular Preventer		
Quantity: no.		1
Make/type:		Shaffer
Size: in		13 5/8" , Flange bottom 10M
Working pressure: psi		5,000
Bottom connection:		Flange 10M – BX 159
Top connection:		Flanged – BX 160 on top
Quantity: no.		
Make/type:		
Size: in		
Working pressure: psi		
Bottom connection:		
Top connection:		
E.3.5 Kill Line Valves		
Quantity: no.		1
Make/type:		Cameron / "FC" Gate – Yes Manifold Valve
Size: in		3-1/16"
Working pressure: psi		10,000

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Gasket type: Hydraulic/manual/non-return:		BX -154 Hydraulic
Quantity: no. Make/type:		1 Cameron / "FC" Gate – Yes Manifold Valve
Size: in Working pressure: psi Gasket type: Hydraulic/manual/non-return:		3-1/16" 10,000 BX-154 Manual
Quantity: no. Make/type: Size: in Working pressure: psi Gasket type: Hydraulic/manual/non-return:		
E.3.6 Choke Line Valves		
Quantity: no. Make/type:		1 Cameron / "FC" Gate – Yes Manifold Valve
Size: in Working pressure: psi Gasket type: Hydraulic/manual:		3-1/16" 10,000 BX -154 Hydraulic
1 Make/type:		1 Cameron / "FC" Gate – Yes Manifold Valve
Size: in Working pressure: psi Gasket type: Hydraulic/manual:		3-1/16" 10,000 BX-154 Manual
E.4 OTHER BLOWOUT PREVENTERS		
All appropriate components H2S rated yes/no		N/A
E.4.1 Ram Type Preventers		
Quantity: no. Make/model:		N/A
Type (single/double/triple): Size: in Working pressure: psi Ram locks: yes/no Type (manual/hydraulic): H2S service: yes/no Side outlets: no. Size: in WP: psi Bottom connection: Top connection: Shear ram boosters: yes/no		
Quantity: no. Make/model:		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Make/model: Location: Fluid reservoir capacity: gal Oil/water mix. rate: gals/min Glycol reservoir capacity: gal Total accumulator capacity (w/o precharge): gal System working pressure: psi Control manifold model: Regulator type: Total useful accumulator volume equals all preventer Opening and closing volumes: yes/no plus percent additional volume: 10%	Yes	Koomey Rig floor Starboard side 315 Envirorite N/A 320 gal. 3000 psi Type 80 TR-5 Yes
E.5.2 Accumulator Hydraulic Pumps		
Electric Driven: Quantity: no. Make/model: Each driven by motor of power: hp Flow rate of each pump: gals/min At operating pressure: psi Operable off emergency generator: yes/no		Yes 1 Koomey Triplex 20 hp 14.2 gpm 3,000 psi Yes
Air Driven: Quantity: no. Make/model: Flow rate of each pump: gals/min AT operating pressure: psi		3 Koomey 50:1 6.6 gpm 100 psi
E.5.3 Primary Control Panel		
Control panel make/model: Location: Panel controls for the following functions: All annular BOP's: yes/no All ram BOP's: yes/no Lock for ram BOP's: yes/no Diverter system: yes/no Kill and choke line valves: yes/no Low accumulator pressure warning: yes/no Low reservoir level warning: yes/no Low rig air pressure warning: yes/no System pressure regulator: yes/no Pressure regulator for annular: yes/no Flowmeter: yes/no Quantity of pressure gauges: no. Other control functions: yes/no		Koomey/Type80 Starboard side rig floor Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes No 3
E.5.4 Remote Control Panels		
Make/model: Location: Location: Location:		Koomey Drill Floor Outside Rig Manager's Office Co man office

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Quantity: no. Make/type: ID: in Working pressure: psi H2S service: yes/no		1 Choke / Kill Hose Copper State Rubber / Co-flex Braided 3" X 50' 10,000 Yes
E.8 FLEXIBLE BOP CONTROL HOSES		
Quantity: no. Make/type: ID: in Working pressure: psi Fire resistant: yes/no		14 Copper State / C0-flex Spec: 070-5000 1" X 55' 5,000 MAWP, 10 ksi T/P Yes
Quantity: no. Make/type: ID: in Working pressure: psi Fire resistant: yes/no		
E.9 BOP TESTING EQUIPMENT		
E.9.1 Hydraulic BOP Test Pump		
Make/model: Type: Pressure rating: psi Chart recorder: yes/no		
E.9.2 BOP Test Stump		
Size: in Size: in Size: in		13-5/8 in. X 10M N/A N/A
E.10 BOP HANDLING		
E.10.1 BOP Hoist System		
Make/type: Quantity of hoists: no. Number of lift point on BOP: no. System safe working load (max BOP wt): st		Ingersoll Rand / Hercu-Link 2 2 37.5-T Each 2 each - BOP hoist, trolleys, chains, blocks and hooks
E.10.2 Work Platforms		
BOP work platform (adjustable/fixed/none):		Yes, Adjustable

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Conductor pipe platform: yes/no		Yes
E.10.3 Conductor Pipe Tensioning System		N/A
Make/type:		
Tension capacity: st		
Number of lift points: no.		
Stroke: in		
F. MUD SYSTEM/BULK SYSTEM		
F.1 HIGH PRESSURE MUD SYSTEM		
System working pressure: psi		5,000
System test pressure: psi		5,000
F.1.1 Mud Pumps		
Quantity: no.		3
Make:		Oilwell
Model:		A1700-PT
Type: (Triplex/Duplex):		Triplex
Liner sizes available: in		5, 5 1/2", 6", 6 1/2", 7"
Mud pump drive motors/pump: no.		3
Motor type:		GE 752 DC Motors
Continuous power rating per motor: hp		1000
Fluid end type:		Southwest Model "L"
Maximum working pressure: psi		4,750 psi
Test pressure: psi		
Pump stroke counter type:		Martin/Decker / proximity Swaco / limit switch type
Supercharging pump:		Mission
Driven by motor of power: hp		75
Discharge/Suction line ID: in/in		6 in. X 8 in
Mud pump pulsation dampener type:		Hydril Model K-44565-y , k- 20-5000
Reset Relief Valve type:		Retsco Type "C"
Working flow rate per pump at 90% of max spm:		648 gal/min
Liner size: in		6 1/2 in
Pump speed (90% of max.): spm		100 spm
Pump pressure: psi		3042 psi
Working flow rate: U.S. gal/min		500 gal/min
Quantity: no.		
Make:		
Model:		
Type: (Triplex/Duplex):		
Liner sizes available: in		
Mud pump drive motors/pump: no.		
Motor type:		
Continuous power rating per motor: hp		
Fluid end type:		
Maximum working pressure: psi		
Test pressure: psi		
Pump stroke counter type:		
Supercharging pump:		
Driven by motor of power: hp		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Discharge/Suction line ID: in/in Mud pump. pulsation dampener type: Reset relief valve type: Working flow rate per pump at 90% of max spm: Liner size: in Pump speed (90% of max.): spm Pump pressure: psi Working flow rate: U.S. gal/min		
F.1.2 Transfer Pumps/Mixing Pumps		
Mixing / Transfer Pumps		
Quantity: no.		3
Make/model:		Mission Magnum
Type/Size		
Output Capacity: gpm		
Drive motor type:		Electric
Power output: hp		75
Gel Tank Pumps		
Quantity: no.		
Make/model:		
Type/size:		
Output capacity: gpm		
Drive motor type:		
Power output: hp		
F.1.3 Booster / Charging Pump		
Quantity: no.		3
Make/Mode:		Mission Magnum
Type/Size		
Capacity (each): gals/min		
Drive motor type:		Electric
Power output: hp		75
F.1.4 Standpipe Manifold		
Quantity of standpipes: no.		2
Standpipe/ID: in		5" OD x 4" ID
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		
Quantity: no.		2
Make/type:		Thermoflex –Cooper State
ID x length: in x ft		3 ½" x 75'
Working pressure: psi		5,000
Snubbing lines: yes/no		Yes
Quantity: no.		
Make/type:		
ID x length: in x ft		
Working pressure: psi		
Snubbing lines: yes/no		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
F.1.6 Cementing Hose		
Quantity:	no.	1
Type (armor sheath/flexible steel pipe):		Coflex S.S.
Length:	ft	60
ID:	in	2
Working pressure:	psi	10,000
Quantity:	no.	
Type (armor sheath/flexible steel pipe):		
Length:	ft	
ID:	in	
Working pressure:	psi	
F.1.7 High Pressure Flexible Steel Pipe		
Make/type:		N/A Provided by Halliburton
Integral connections/fittings (non-threaded):	yes/no	
ID:	in	
Working pressure:	psi	
Section length:	ft	
Quantity:	no.	
Section length:	ft	
Quantity:	no.	
Sweep swivels, make/type:		
Nom. size ID:	in	
Suitable for H2S service:	yes/no	
F.2 LOW PRESSURE MUD SYSTEM		
F.2.1 Mud Processing Tank		
Shaker #1 tank, usable volume:	bbl	141.12
Shaker #2 tank, usable volume:	bbl	124.8
Agitated:	yes/no	no
Shaker #3 tank, usable volume:	bbl	104
Agitated:	yes/no	no
Shaker #4 tank, usable volume:	bbl	
Agitated:	yes/no	
Shaker #5 tank, usable volume:	bbl	
Agitated:	yes/no	
Centrifuge tank, usable volume:	bbl	
Agitated:	yes/no	
Other tank, usable volume:	bbl	
Agitated:	yes/no	
Total usable capacity:		.
F.2.2 Mud Tanks		
Quantity:	no.	
Total capacity (usable):	bbl	1463
Usable capacity No. 1:	bbl	
Type (active/reserve):		324
Height:	ft	8
Mixer:	yes/no	yes
Mud guns:	yes/no	yes
Usable capacity No. 2:	bbl	

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Type (active/reserve):		320.8
Height: ft		8
Mixer: yes/no		yes
Mud guns: yes/no		yes
Usable capacity No. 3: bbl		246
Type (active/reserve):		8
Height: ft		yes
Mixer: yes/no		yes
Mud guns: yes/no		
Usable capacity No. 4: bbl		
Type (active/reserve):		
Height: ft		
Mixer: yes/no		
Mud guns: yes/no		
Usable capacity No. 5: bbl		
Type (active/reserve):		
Height: ft		
Mixer: yes/no		
Mud guns: yes/no		
Usable capacity No. 6: bbl		
Type (active/reserve):		
Height: ft		
Mixer: yes/no		
Mud guns: yes/no		
Usable capacity No. 7: bbl		
Type (active/reserve):		
Height: ft		
Mixer: yes/no		
Mud guns: yes/no		
Usable capacity No. 8: bbl		
Type (active/reserve):		
Height: ft		
Mixer: yes/no		
Mud guns: yes/no		
F.2.3 Pill/Slug Tank		
Capacity (usable): bbl		131 bbls
		8'
		16.4 bpf
Mud agitator: yes/no		Yes
Mud guns: yes/no		Yes
Capacity (usable): bbl		
Mud agitator: yes/no		
Mud guns: yes/no		
F.2.4 Trip/Stripping Tanks		
Capacity (usable): bbl		70.56Bbl
Capacity/foot: bbl/ft		8.02 Bbl
Level indicator: yes/no		Yes
Electric pump make: Mission Magnum		
Model/type: 4X3X10		
Rated capacity: hp		20 Hp
Facility for casing fill-up: yes/no		Yes
Alarm and strip chart recorder: yes/no		Yes
Capacity (usable): bbl		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Capacity/foot: bbl/ft Level indicator: yes/no Electric pump make: Model/type: Rated capacity: hp Facility for casing fill-up: yes/no Alarm and strip chart recorder: yes/no		
F.2.5 Chemical Mixing Tank		
Capacity (usable): bbl Chemical mixer type:		N/A
F.2.6 Shale Shakers		
Primary: Quantity: no. Make/model: Type: Nominal flow rate (total): bbl/min Quantity: no. Make/model: Type: Nominal flow rate (total): bbl/min		Yes 3 Brandt / King Cobra LCM-3D
Cascading: Quantity: no. Make/model: Type: Nominal flow rate (total): bbl/min Quantity: no. Make/model: Type: Nominal flow rate (total): bbl/min		
F.2.7 Desander		
Quantity: no. Make/model: Type: Number of cones x size: no. x in Centrifugal pump type: Centrifugal pump size: in x in Driven by electric motor of: hp Is pump dedicated to Desander: yes/no Max. flow rate: bbl/min		1 Brandt 3 x 12 mission 6 x 8 100 yes 1600 gpm
F.2.8 Desilter		
Quantity: no. Make/model: Type: Number of cones x size: no. x in Centrifugal pump type: Centrifugal pump size: in x in		1 Brandt 24x 4" Mission Magnum 6 x 8

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Driven by electric motor of: hp Is pump dedicated to desilter: yes/no Max. flow rate: bbl/min		75 hp yes 1600 gpm
F.2.9 Mud Cleaner		
Quantity: no. Make/model: Type: Nominal flow rate: bbl/min Number of cones: no. Size: in Feed pump make/model: Type/size: Capacity: gpm Drive motor hp: hp Is pump dedicated to mud cleaner: yes/no		Brandt Lcm-2d/cm Mission Magnum 6X8X11 75 Yes
Quantity: no. Make/model: Type: Nominal flow rate: bbl/min Number of cones: no. Size: in Feed pump make/model: Type/size: Capacity: gpm Drive motor hp: hp Is pump dedicated to mud cleaner: yes/no		
F.2.10 Mud/Gas Separator (Poor Boy)		
Make/type: Dimensions (height x OD): ft x in Gas discharge line ID: in Gas discharge location, primary: Can discharge be tied into burner system: yes/no Vacuum breaker: yes/no Mud seal height: ft Pressure gauge: yes/no		Yes 19' 9" X 48" 8" Top of derrick Yes Yes 10 ft Yes
Make/type: Dimensions (height x OD): ft x in Gas discharge line ID: in Gas discharge location, primary: Can discharge be tied into burner system: yes/no Vacuum breaker: yes/no Mud seal height: ft Pressure gauge: yes/no Calculated gas throughput: mmscf		
F.2.11 Degasser		
Make/type: Nominal flow rate: bbl/min Feed pump make/model: Type/size:		SWACO 25 bbl/ min Mission Magnum 6X8X11

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Capacity: gpm Drive motor hp: hp Is pump dedicated to degasser: yes/no Vacuum pump make type:		75 Hp Yes
Make/type: Nominal flow rate: bbl/min Feed pump make/model: Type/size: Capacity: gpm Drive motor hp: hp Is pump dedicated to degasser: yes/no Vacuum pump make type:		
F.2.12 Mud Agitators		
Quantity: no. Make/model: Driven by motor of power: hp Located in tanks:		3 Lighting 75Q-20 20 hp No. 1-2-3 Active,
Quantity: no. Make/model: Driven by motor of power: hp Located in tanks: (see F.2.1 and F.2.2 for tank designations)		1 Lightning MA-5 5 Slugging Pit
Quantity: no. Make/model: Driven by motor of power: hp Located in tanks: (see F.2.1 and F.2.2 for tank designations)		
Quantity: no. Make/model: Driven by motor of power: hp Located in tanks: (see F.2.1 and F.2.2 for tank designations)		
F.2.13 Mud Centrifuge		
Quantity: no. Make/model: Feed pump make/model: Type/size: Capacity: bbl/min Drive motor hp: hp Is feed pump dedicated to centrifuge(s) yes/no		2 Brandt-SC4 PSI MAX 2000cc 52gpm 20hp Yes
Quantity: no. Make/model: Feed pump make/model: Type/size: Capacity: bbl/min Drive motor hp: hp Is feed pump dedicated to centrifuge(s) yes/no		Brandt/ M2801SX-15 Yes

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
F.2.14 Mud Laboratory And Facilities		
Separate room:	yes/no	Yes
Equipped with:		
Mud balance:	yes/no	Yes
Marsh funnel:	yes/no	Yes
Filtration kit:	yes/no	
Sand content kit:	yes/no	No
Air Conditioning:	yes/no	No
Positive pressure:	yes/no	No
F.3 BULK SYSTEM		
F.3.1 Barite/Bentonite Silos		
Quantity:	no.	3
Capacity of each silo:	ft3	1030 cu ft.
Locations:		Sack Room
Type weight loadcell:		No
Manufacturer:		
Pressure rating:	psi	40 psi.
Relief valve(s) installed:	yes/no	Yes
Quantity:	no.	
Capacity of each silo:	ft3	
Locations:		
Type weight load cell:		
Manufacturer:		
Pressure rating:	psi	
Relief valve(s) installed:	yes/no	
F.3.2 Cement Silos		
Quantity:	no.	3
Capacity of each silo:	ft3	
Locations:		Lower Hull, Starboard
Type weight loadcell:		None
Manufacturer:		
Pressure rating:	psi	40 psi.
Relief valve(s) installed:	yes/no	Yes
Quantity:	no.	3
Capacity of each silo:	ft3	1030 Cu Ft
Locations:		Cement Room
Type weight load cell:		None
Manufacturer:		
Pressure rating:	psi	40 psi
Relief valve(s) installed:	yes/no	Yes
Separate mud/cement loading facilities:	yes/no	
Cement discharge independent from barite/bentonite:	yes/no	
F.3.3 Surge Tank For Barite/Bentonite		
Quantity:	no.	2 Each
Capacity of each tank:	ft3	70 Cu. Ft

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Make/type:		
Quantity: no.		
For OD casing: in		
Make/type:		
Quantity: no.		
For OD casing: in		
Make/type:		
G.1.6 Slip Type Elevator/Spiders		None
Quantity: no.		
Make/type:		
Pneumatic/manual:		
Capacity: st		
Slips for OD casing sizes: in		
Quantity: no.		
Make/type:		
Pneumatic/manual:		
Capacity: st		
Slips for OD casing sizes: in		
Quantity: no.		
Make/type:		
Pneumatic/manual:		
Capacity: st		
Slips for OD casing sizes: in		
G.1.7 Casing Slips		None
Quantity: no.		
Make/type:		
For OD casing: in		
Quantity: no.		
Make/type:		
For OD casing: in		
Quantity: no.		
Make/type:		
For OD casing: in		
Quantity: no.		
Make/type:		
For OD casing: in		
G.1.8 Casing Bowls		None
Quantity: no.		
Make/type:		
For OD casing (max/min): in/in		
Quantity: no.		
Make/type:		
For OD casing (max/min): in/in		
Quantity: no.		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
For OD casing: psi Connection type: top/bottom		
For OD casing: psi Connection type: top/bottom		
G.1.13 Casing Spears (Internal)		
Quantity: no. Make/type: For OD casing: in For casing weight: lbs/ft Pack-off: yes/no		None
Quantity: no. Make/type: For OD casing: in For casing weight: lbs/ft Pack-off: yes/no		
Quantity: no. Make/type: For OD casing: in For casing weight: lbs/ft Pack-off: yes/no		
G.1.14 Casing Cutters (Internal)		N/A
Quantity: no. Make/type: For OD casing (max/min): in/in		
Quantity: no. Make/type: For OD casing (max/min): in/in		
Quantity: no. Make/type: For OD casing (max/min): in/in		
G.1.15 Crossover to Handle Casing with Drill Pipe		N/A
Quantity: no. For OD casing: in Casing connection type: Drill pipe connection type: Rated capacity: st		None
Quantity: no. For OD casing: in Casing connection type: Drill pipe connection type: Rated capacity: st		
Quantity: no. For OD casing: in Casing connection type:		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Drill pipe connection type: Rated capacity: st		
G.1.16 Casing Scrapers		None
Quantity: no. Make: For OD casing: in For casing weight: lbs/ft OD body: in Connection type: Blade type (roller/fixed)		
Quantity: no. Make: For OD casing: in For casing weight: lbs/ft OD body: in Connection type: Blade type (roller/fixed)		
Make: For OD casing: in For casing weight: lbs/ft OD body: in Connection type: Blade type (roller/fixed)		
Make: For OD casing: in For casing weight: lbs/ft OD body: in Connection type: Blade type (roller/fixed)		
G.2 CEMENTING EQUIPMENT		
G.2.1 Cement Unit		
Owner: Free placement basis: yes/no Make/type: No. of triplex pumps: no. Maximum working pressure: psi Maximum flow rate (total): bbl/min Unit power by (electric/diesel): Re-circulating mixing system: yes/no Capacity: bbl Motor power: hp		Halliburton No Halliburton SKD-4 / HT400 2 15,000 psi Diesel Yes M/N - Cat C-15 engine S/N – Z2C00182 HP - 593
Liquid additive system: yes/no Premix/batch tank: gal/min Quantity: no. Capacity (total): bbl Pressure recorder: yes/no Densometer recording device: yes/no		Yes 4 100 bbls Yes

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Make/type: Maximum torque: ft-lbs		Varco BJ 0-40,000 ft/lbs 0-1400 amps Yes
H.1.6 Pump Stroke Counters		
Quantity: no. Make/type:		2 Martin Decker Totco / NT Tracer SN – 1143
Stroke indicator and cumulative stroke counter for each pump: yes/no		Yes
H.1.7 Tong Torque Indicator		Yes
Make/type Maximum torque: ft-lbs		Martin/Decker Totco 0-20,000 ft/lbs
H.1.8 Pit Volume Totalizer		Yes
Make/model:		Martin Decker Totco / NT Tracer Data in US Standard Measure
Float in active mud tanks: yes/no Quantity per tank: no.		Yes 1
Floats in reserve mud tanks: yes/no Quantity per tank: no.		Yes 1
Floats in mud processing tanks: yes/no Quantity per tank: no.		Yes 1
Loss/Gain indicator: yes/no Audio Alarm: yes/no Visual Alarm: yes/no		Yes Yes Yes
H.1.9 Mud Flow Indicator		
Make/model:		Martin Decker Totco / NT Tracer
High/low alarm: yes/no Audio Alarm: yes/no Visual Alarm: yes/no		Yes Yes Yes
Sensor location:		Mud return ditch
H.1.10 Trip Tank Indicator		Yes
Make/model:		Martin Decker Totco / NT Tracer
Chart recorder: yes/no Alarm: yes/no		Rig floor / NT Tracer Yes
Make/model:		
Chart recorder: yes/no Alarm: yes/no		
H.1.11 Automatic Driller (see B.2.1)		None available
H.1.12 Remote Choke Control Unit (see E.5)		Yes
H.1.13 Crown Clearance Indicator		
Make/type: yes/no		Yes
H.2 DRILLING PARAMETER RECORDER		Yes

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Quantity: no. Make/type: Location - 1: Type (display/recorder/both): Location - 2: Type (display/recorder/both): Location - 3: Type (display/recorder/both): Number of parameters recorded: no. Parameter recorded: Parameter recorded: Parameter recorded: Parameter recorded: Parameter recorded: Parameter recorded: Parameter recorded: Parameter recorded:		1 Martin Decker Totco / NT Tracer Rig floor / Driller's house Electronic display Rig Manager's office Electronic monitor / PC / Printable Operator's Office Electronic monitor / PC / Printable 8 1 2 1 1 1 1 - Run speed
H.3 INSTRUMENTATION AT CHOKE MANIFOLD		
H.3.1 Standpipe Pressure Gauge (Drill pipe pressure gauge)		
Quantity: no. Make/type: Pressure range (maximum): psi		1 Retsco / Type "F" SN – 969 F #1 Standpipe 0 – 6000 psi
Quantity: no. Make/type: Pressure range (maximum): psi		1 Retsco / Type "F" SN – 980 K #2 Standpipe 0 – 6,000 psi
Visible from choke operating position: yes/no		Yes
H.3.2 Choke Manifold Pressure Gauge (Casing pressure gauge)		
Quantity: no. Make/type: Pressure gauge: psi/psi		1 CIW / Type F 0 / 10,000 psi
Quantity: no. Make/type: Pressure gauge: psi/psi		1 Oteco / Model F 0 / 10,000 psi
Quantity: no. Make/type: Pressure gauge: psi/psi		1 Martin Decker Totco 0-10k psi #b-1245-0100
H.4 INSTRUMENTATION AT STANDPIPE		
H.4.1 Standpipe Pressure Gauge		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Quantity: no. Make/type:		1 Retsco / Type "F"
Pressure gauge: psi/psi		#1 Standpipe 0 – 6000 psi
Quantity: no. Make/type:		1 Retsco / Type "F"
Pressure gauge: psi/psi		#2 Standpipe 0 – 6,000 psi
Quantity: no. Make/type:		1 Martin Decker Totco
Pressure gauge: psi/psi		
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		
Quantity: no.		None
Make/type:		
Deviation range: degree/degree		
Quantity: no.		
Make/type:		
Deviation range: degree/degree		
H.5.2 Slickline Unit (see B.2.4)		
N/A		
H.6 RIG COMMUNICATION SYSTEMS		
H.6.1 Rig Telephone System		
No. of stations: no.		Yes
Make/type:		5
Explosion proof: yes/no		Rignet
No. of stations: no.		No
Make/type:		
Explosion proof: yes/no		
No. of stations: no.		
Make/type:		
Explosion proof: yes/no		
H.6.2 Public Address System		
Can be combined with H.6.1 above: yes/no		No
No. of stations: no.		45
Make/type:		Gaitronics, Page Party
Explosion proof: yes/no		System, 5 Party.
H.6.3 Drill Floor Talkback System		
		Yes

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
No. of stations: no.		None available, Gaitronics only
Location:		
Location:		
Location:		
Location:		
Make/type:		Gaitronics, Page Party system
Explosion-proof: yes/no		Yes,
H.6.4 Hand Held Vhf Radios		
Quantity: no.		10
Quantity intrinsically safe: no.		yes
H.6.5 Crane Communication System		
Quantity: no.		1ea. @ Port & Stbd at Crane Cabin
Make/type:		Gaitronics, Page Party Sys.
Explosion proof: yes/no		No
Part of rig telephone system (H.6.1): yes/no		N/A
Part of public address system (H.6.2): yes/no		Yes
Quantity: no.		1ea. @ Port & Stbd at Crane Cabin
Make/type:		Standard Horizon VHF
Explosion proof: yes/no		
H.7 ENVIRONMENTAL INSTRUMENTATION		
H.7.1. Temperature Indicators		
Air temperature (make/model):		
Recorder: yes/no		No
Sea water temperature (make/model): yes/no		No
Recorder:		No
H.7.2 Barometric Pressure Indicator		
Make/model:		Chelsea
Recorder: yes/no		no
H.7.3 Humidity Sensing Indicator		
Make/model:		None
Recorder: yes/no		
H.7.4 Wind Speed/Direction Meter		
Make/model:		Yes
Recorder: yes/no		YOUNG no
H.7.5 Wave Profile Recorder		
Make/model:		None
Recorder: yes/no		

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
<p>H.9.2 E.P.I.R.B's</p> <p>Quantity: no. Make/model: Location(s):</p> <p>Quantity: no. Make/model: Location(s):</p>		<p>1 ACR/ RLB-32-CAT1 Stbd Side 02 Level</p>
<p>H.9.3 Marine VHF Radio</p> <p>Quantity: no. Make/model: Power: watt Channels: Location:</p> <p>Quantity: no. Make/model: Power: watt Channels: Location:</p> <p>Quantity: no. Make/model: Power: watt Channels: Location:</p>		<p>5 Standard / Horizon Eclipse 1w / 25w 79 Channels Control House, Co. Man Office, RM Office, Port Crane, Stbd Crane, Both Lifeboats</p>
<p>H.9.4 Aircraft Radio Beacon Transmitter (NDB)</p> <p>Quantity: no. Make/model: Power: watts</p>		None Provided
<p>H.9.5 Aeronautical VHF Transceiver</p> <p>Quantity: no. Make/model: Power: watts Frequency range (low/high): mhz/mhz (Synthesized/crystal): Location(s):</p> <p>Quantity: no. Make/model: Power: watts Frequency range (low/high): mhz/mhz (Synthesized/crystal): Location(s):</p> <p>Quantity: no. Make/model: Power: watts</p>		<p>1 Ea. Icom/ PS80</p> <p>Radio Room</p>

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Make/type: Quantity: no. Capacity: bbl/day Weight: st Water requirement at 100 psi: bbl/min		
I.2 BURNER BOOMS Make/type: Quantity: no. Length: ft Horizontal: yes/no Maximum wind speed: knots Walkway and handrails: yes/no Burner platform size: ft x ft Burner mounting rotatable: yes/no		None Provided
I.3 PIPING ON BURNER BOOMS		N/A
I.3.1 Oil Line ID: in Working pressure: psi Connection type at burner end: H2S: yes/no Pressure gauge connection at barge end: in		N/A
I.3.2 Gas Line ID: in Working pressure: psi Extended beyond burner by: ft Connection type at burner end: H2S: yes/no Pressure gauge connection at barge end: in		N/A
I.3.3 Water Line ID: in Working Pressure: psi Connection type at burner end: Pressure gauge connection at barge end: in		N/A
I.3.4 Air Line ID: in Working Pressure: psi Connection type at burner end: type Pressure gauge connection at barge end: in		N/A
I.3.5 Pilot Gas line ID: in Working Pressure: psi		N/A

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Connection type at burner end: type Pressure gauge connection at barge end: in		
I.4 SPRINKLER SYSTEM		
System in place: yes/no Pump source:		Yes
I.5 FIXED PIPING FOR WELL TESTING		
I.5.1 Drill Floor to Separator Area		NA
Type (screwed/welded, both): Quantity: no. Size ID: in Working pressure: psi Connection on drill floor: type Connection at separator: type Number of valves/lines: no. Size of valves: in H2S: yes/no		
I.5.2 Separator Area to Burner Booms		NA
Service (oil/gas): Type (screwed/welded, both): Quantity: no. Size ID: in Working pressure: psi Connection at separator: type Connection at boom: type Number of valves/lines: no. Size of valves: in H2S: yes/no Valves installed near separator area for switching gas to either burner: yes/no		Yes Both 1 3 in 5K 3 1/8" Valve Flange 2-1/16" 6 3 1/8" Valve Yes Yes
Service (oil/gas): Type (screwed/welded, both): Quantity: no. Size ID: in Working pressure: psi Connection at separator: type Connection at boom: type Number of valves/lines: no. Size of valves: in H2S: yes/no Valves installed near separator area for switching gas to either burner: yes/no		
I.5.3 Water Lines to Burner Booms		
Type (screwed/welded/both): Quantity: no. Size ID: in Working pressure: psi Number of valves required: no.		Screwed 1 3 in 150 2

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Size of valves: in Pump source: Rated line capacity at 300 psi: bbl/hr		3 in Deepwell/ Fire Main 1260 bbl/ Mib
I.5.4 Air System to Burner Booms		
Type (screwed/welded/both): Quantity: no. Size ID: in Working pressure: psi Non-return valves fitted: yes/no Air source:		Screwed 1 3 in 150 No Compressor
I.5.5 Oil Storage Tank To Offload		
Type (screwed / welded / both): Quantity: no. Size ID: in Working pressure: psi Connection at separator area: type		N/A
I.5.6 Separator to Vent Stack of Rig		
Type (screwed/welded, both): Quantity: no. Size ID: in Working pressure: psi Connection type at separator area: type		N/A
I.6 AUXILIARY POWER AVAILABILITY		
I.6.1 For Field Laboratory		
Quantity: no. Volts: volts Frequency: hz Breaker: amp		N/A
I.6.2 For Crude Transfer Pump		
Quantity: no. Volts: v Frequency: hz Breaker: amp		N/A
I.6.3 For Electric Heaters		
Quantity: no. Volts: v Frequency: hz Breaker: amp		N/A
J. WORK OVER TOOLS		
K. ACCOMMODATION		
K.1 OFFICES		
		None

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
K.1.1 Company Representative's Office		
Quantity: no.		One
Number of combination office/ State rooms in above: no.		None
Complete with desk, filing cabinets(s) and other necessary furniture: yes/no		One / Adjacent to office. 2 beds With lockers and private shower
Quantity with unrestricted view to drill floor: no.		Yes
		0
K.1.2 Contractor's Representative's Office		
Quantity: no.		One
Quantity with unrestricted view to drill floor: no.		One
K.1.3 Control Room		
Quantity: no.		One – Same as Radio Room
K.1.4 Radio Room		
Quantity: no.		One
K.1.5 Helicopter Ready Room		
Quantity: no.		One – Radio Room used
K.1.6 Hospital Room		
Number of beds/bunks: no.		2
Dangerous drugs locker: yes/no		Yes
K.2 LIVING QUARTERS		
K.2.1 Accommodations		
Total Beds: no.		94
No. of beds per room type (1,2,3, etc): no.		2
Number of rooms: no.		3 (Counting Medic)
Toilets (private/shared/communal):		Private
Showers (private/shared/communal):		Private
No. of beds per room type (1,2,3, etc): no.		8
Number of rooms: no.		1
Toilets (private/shared/communal):		Communal
Showers (private/shared/communal):		Communal
No. of beds per room type (1,2,3, etc): no.		4
Number of rooms: no.		18
Toilets (private/shared/communal):		Communal
Showers (private/shared/communal):		Communal

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION / SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
No. of beds per room type (1,2,3, etc): no.		4
Number of rooms: no.		2
Toilets (private/shared/communal):		Private
Showers (private/shared/communal):		Private
No. of beds per room type (1,2,3, etc): no.		N/A
Number of rooms: no.		
Toilets (private/shared/communal):		
Showers (private/shared/communal):		
No. of beds per room type (1,2,3, etc): no.		N/A
Number of rooms: no.		
Toilets (private/shared/communal):		
Showers (private/shared/communal):		
No. of beds per room type (1,2,3, etc): no.		N/A
Number of rooms: no.		
Toilets (private/shared/communal):		
Showers (private/shared/communal):		
K.2.2 Galley		
Quantity: no.		2 – (1) Located Port and (1) located Starboard side
K.2.3 Mess Seating Capacity		
Main mess: no.		20 SEATS
Aux. mess: no.		20 SEATS
K.2.4 Meeting Rooms		
Quantity: no.		1 – Located Main Deck Quarters level Port Side (TV Room)
K.2.5 Recreation Rooms		
Quantity: no.		1
Recreation facilities		
TV: no.		1
VCR: no.		1
Pool Table: no.		0
Ping Pong Table: no.		0
Computer: no.		0
Workout/weight room: no.		Same as off galley
Other: no.		0
K.2.6 Other Rooms		
Change rooms: no.		1
Prayer Room: no.		0
Cinema: no.		0
Other: no.		0

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
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):		Contractor
Rubber aprons (contractor/everyone/not supplied):		Contractor
Rubber gloves - elbow length (contractor/everyone not/supplied):		Contractor
Full Face visors (contractor/everyone/not supplied):		Contractor
Eye shields (contractor/everyone/not supplied):		Contractor
Dust masks (contractor/everyone/not supplied):		Contractor
Explosion proof hand torches (contractor/everyone/not supplied):		Contractor
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.		5
Make/model:		
Location(s):		Rig Floor, Sack Room, Watermaker Room, Shaker Deck, Pump Room
Quantity - portable: no.		1
Make/model:		Haws-Portable
Location(s):		Main Deck Port Side
L.1.2.2 Safety Showers		
Quantity: no.		5
Make/model:		
Location(s):		Rig Floor, Sack Room, Watermaker Room, Shaker Deck, Pump Room
L.1.3 Derrick Safety Equipment		
Derrick escape chutes (rem chute): no.		None
Make/type:		
Geronimo line: yes/no		Yes
Make/type:		
Derrick safety belts: no.		2
Make/type:		DBI SALA, Monkey/Derrick
L.1.4 Derrick Climbing Assistant		
Make/type:		DBI SALA, Fall Arrester

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
<p>L.1.5 Fresh Air Blowers (Bug Blowers)</p> <p>Quantity: no.</p> <p>Make/type:</p> <p>Located at:</p>		<p>4</p> <p>Brandt</p> <p>Drill Floor-2, Engine Room 2</p>
<p>L.2 GAS/FIRE/SMOKE DETECTION</p> <p>L.2.1 H2S Monitoring System</p> <p>Make/type:</p> <p>Sampling points at:</p> <p> Bell nipple: yes/no</p> <p> Drill floor: yes/no</p> <p> Shale shaker: yes/no</p> <p> Mud tanks: yes/no</p> <p> Ventilation system into living quarters: yes/no</p> <p> Other:</p> <p>Alarms at:</p> <p> Driller's console (audible/visual/both):</p> <p> Engine room (audible/visual/both):</p> <p> Mud room (audible/visual/both):</p> <p> Living quarters each level (audible/visual/both):</p> <p> Central area each structural level (audible/visual/both):</p> <p> Other:</p> <p> Tied to general alarm: yes/no</p> <p>Central control panel: yes/no</p> <p> Located at:</p> <p>Local alarm (audible/visual/both):</p> <p>L.2.2 Combustible Gas Monitoring System</p> <p>Make/type:</p> <p>Sampling points at:</p> <p> Bell nipple: yes/no</p> <p> Drill floor: yes/no</p> <p> Shale shaker: yes/no</p> <p> Mud tanks: yes/no</p> <p> Ventilation system into living quarters: yes/no</p> <p> Other:</p> <p>Alarms at:</p> <p> Driller's console (audible/visual/both):</p> <p> Engine room (audible/visual/both):</p> <p> Mud room (audible/visual/both):</p> <p> Living quarters each level (audible/visual/both):</p> <p> Central area each structural level (audible/visual/both):</p> <p> Other:</p> <p> Tied to general alarm: yes/no</p> <p>Central control panel: yes/no</p> <p> Located at:</p> <p>Local alarm (audible/visual/both):</p> <p>L.2.3 H2S Detectors (Portable)</p> <p>Quantity: no.</p>		<p>Pem-Tech</p> <p>Seven Locations</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>Aft Quarters</p> <p>Both</p> <p>Visible</p> <p>Both</p> <p>Both</p> <p>Both</p> <p>No</p> <p>Yes</p> <p>Rig Mgr.'s Office</p> <p>Both</p> <p>Pem-Tech</p> <p>Seven Locations</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>Aft Quarters</p> <p>Both</p> <p>Visible</p> <p>Both</p> <p>Both</p> <p>Both</p> <p>No</p> <p>Yes</p> <p>Rig Mgr.'s Office</p> <p>Both</p> <p>4</p>

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Make/type: Quantity: no. Make/type: Stain types for H2S: measuring range: from 1 to 20 percent: % from 5 to 60 percent: %		BW Technologies-Gas Alert Max 3-4
L.2.4 Explosimeters Quantity: no. Make/type:		Same as Above
L.2.5 CO2 Gas Detectors (portable) Quantity: no. Make/type: Stain tubes for CO2: measuring range from 1 to 20 percent: % from 5 to 60 percent: %		Same as Above
L.2.6 O2 Meter (portable) Quantity: no. Make/type:		Same as Above
L.2.7 Fire/Smoke Detectors in Accommodation Make/type: Fire detection: yes/no Smoke detection: yes/no Central control panel: yes/no Location: Alarms: no. Pull boxes: no. Mud room (audible/visual/both): Living quarters each level (audible/visual/both) Central area structural level: (audible/visual/both): Other: Tied to general alarm: yes/no Central control panel: Located at: Local alarm (audible/visual/both):		Notifier Yes Yes Yes Rig Manager's Office Both Both Both No Rig Manager's Office Both
L.3 FIRE FIGHTING EQUIPMENT		
L.3.1 Fire Pumps Quantity: no. Make/model: Type: Output (each): gals/min Location: Quantity: no. Make/model:		2 Mission Magnum Centrifugal Mud Pump Room

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
<p>L.4.3 Cascade Stations</p> <p>Quantity: no.</p> <p>Make/type:</p> <p>Manifold locations/outlets at location:</p> <p>Manifold locations/outlets at location:</p> <p>Manifold locations/outlets at location:</p> <p>Manifold locations/outlets at location:</p> <p>Manifold locations/outlets at location:</p> <p>Manifold locations/outlets at location:</p>		N/A
<p>L.4.4 Breathing Air Recharge Compressor</p> <p>Quantity: no.</p> <p>Make/type:</p> <p>Compressed air storage capacity: ft³</p> <p>Working pressure: psi</p> <p>Located at:</p> <p>Located at:</p> <p>Quantity: no.</p> <p>Make/type:</p> <p>Compressed air storage capacity: ft³</p> <p>Working pressure: psi</p> <p>Located at:</p> <p>Located at:</p>		N/A
<p>L.4.5 Compressed Air Breathing Apparatus Trolley Unit</p> <p>Make:</p> <p>Type (demand/positive pressure):</p> <p>Air line length: ft</p> <p>Compressed air storage capacity: ft³</p> <p>Working pressure: psi</p> <p>Including:</p> <p>Face Mask: yes/no</p> <p>Demand valve: yes/no</p> <p>Microphone: yes/no</p> <p>Safety harness: yes/no</p> <p>Safety line (incorporating telephone line): yes/no</p>		N/A
<p>L.4.6 Breathing Air Purity Test Equipment</p> <p>Quantity: no.</p> <p>Make/type:</p>		4 BW Technologies, Gas Alert Max
<p>L.5 EMERGENCY FIRST AID EQUIPMENT</p> <p>L.5.1 First Aid Kits</p> <p>Quantity: no.</p>		5

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
L.5.2 Burn Kits		
Quantity: no.		2
L.5.3 Resuscitators		
Quantity: no.		4
Charged (spare) oxygen cylinders: no.		4
L.5.4 Stretchers		
Quantity: no.		3
Type:		Basket Stretcher
Located at:		Main Deck, Rig Floor, 01 Level Quarters
Quantity: no.		
Type:		
Located at:		
Quantity: no.		
Type:		
Located at:		
L.6 HELIDECK RESCUE EQUIPMENT		
Aircraft Axe: yes/no		Yes
Large fireman's rescue axe: yes/no		Yes
Crowbar: yes/no		Yes
Heavy duty hacksaw: yes/no		No
Spare blades: yes/no		No
Grapple hook: yes/no		Yes
Length of wire rope attached: ft		50 ft.
Quick release knife: yes/no		Yes
Bolt croppers: yes/no		Yes
Fireman's outfit: yes/no		Yes
CO2 Lance: yes/no		Yes
Other:		
Other:		
L.7 EMERGENCY WARNING ALARMS		
Approved system to give warning of different emergencies: yes/no		Yes
Activated from drill floor: yes/no		Yes
L.8 SURVIVAL EQUIPMENT		
L.8.1 Lifeboats		Yes
Make/type:		Beihai, Model – BH-9 Totally Enclosed
Quantity: no.		2
Capacity: person/craft		65
Locations (frwd/aft/port/stbd):		Port, Starboard
Fire protection: yes/no		Yes
Radio/EPIRB (see section H.9):		Yes

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Make/type: Quantity: no. Capacity: person/craft Locations (frwd/aft/port/stbd): Fire protection: yes/no Radio/EPIRB (see section H.9):		
Make/type: Quantity: no. Capacity: person/craft Locations (frwd/aft/port/stbd): Fire protection: yes/no Radio/EPIRB (see section H.9):		
L.8.2 Liferafts		
Make/type: Quantity: no. Capacity: person/craft Davit launched: yes/no Locations (fwd/aft/port/stbd):		ISSI 4 25 Yes (2) Port, (2) Starboard
Make/type: Quantity: no. Capacity: person/craft Davit launched: yes/no Locations (fwd/aft/port/stbd):		
L.8.3 Fast Rescue Boat		N/A
Make/type: Engine power: hp		
L.8.4 Personal Floatation Devices		
Make/type: Quantity: no.		Safety Guard/ Type 1 160
L.8.5 Survival Suits		N/A
Make/type: Quantity: no.		
Make/type: Quantity: no.		
L.8.6 Life Ring Buoys		
Make/type: Quantity total: no. with lights: no. with smoke: no. with EPIRB: no.		Billy Pugh, with line. 11 4 2 0
L.8.7 Work Vests		Yes

RIG AND EQUIPMENT SPECIFICATIONS

ADDITIONAL INFORMATION SPECIFICATION / DESCRIPTIONS	Requirement	Tenderer Specifications Offered
Quantity: no.		40 ea
L.8.8 Escape Ladders/Nets		Yes
Make/type:		Throw over ladders
Quantity: no.		2
Make/type:		
Quantity: no.		
Make/type:		
Quantity: no.		
M. POLLUTION PREVENTION EQUIPMENT		
M.1. SEWAGE TREATMENT		Yes
Make/model:		Severent Trent/ DeNora
System type:		Omnipure 15MXMP Type II / Marine sanitation Book Cell / Electro Chemical Reaction
M.2 GARBAGE COMPACTION		None
Make/model:		
System type:		
M.3 GARBAGE DISPOSAL/GRINDER		Yes
Make/model:		2 Gulf Gulp on main deck
System type:		2 Red goats in galleys
M.4 INCINERATOR		
Make/model:		N/A
System type:		
M.5 OILY WATER SEPARATOR		
Quantity: no.		1
Make/model:		
System type:		Gravity
Nominal throughput: gpm		

RIG AND EQUIPMENT SPECIFICATIONS