

# Rig Inventory

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Reviewed 13th October 2009

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ITEM NO	DESCRIPTION	SPECIFICATION
<b>SECTION 'A': HOISTING EQUIPMENT</b>		
	Make and Type	Ingersoll Rand 750-900 Series Model 2346
	Rated Capacity w/size DP	10,300 Feet Of 4 1/2 " Drill Pipe
	Drive	2 each Caterpillar 3408 Engines Rated At 450 HP each Additional 3408 Engine as spare
	Auxiliary Brake – Make, Model, Type	Parmac V-80 Hydromatic Brake
	Maximum Input HP	900 HP
	Maximum line pull 8 lines	350,000 Lbs.
	Drum Dia x Length	23 1/8" x 44"
	Catheads	Ingersoll Rand Hydraulic Catworks W/ Break Out & Make Up Cylinder
	Hoisting Capacity in Low/with number lines	350,000 with 8 lines
	Hoisting Speeds	Five Forward , One Reverse
	Crown Block Safety Device	Posistop PS-108 Safety System & Koomey Crown "O" Matic Toggle Type
<b>A2 - Mast</b>		
	Make and Type	International 117 Telescoping, Hydraulic Raised & Extended Mast
	Raising System	Two 3 Stage Double Acting Rams
	Extending System	Two 1 Stage Single Acting Rams
	Dimensions	100' with 17' floor Height.
	Leg Spread	8' 6"
	Mast Tilt	2 1/2°
	Wind Rating With Full Setback	69 MPH { 60 Kts }
	Maximum Rated Static Hook Load	350,000 Lbs.
	Hook Load Rating with numbers of lines	350,000 Lbs, 8 lines
	Adjustable Stabbing Board	No
	Crown Block – Type	International
	Crown Block Sheaves number – Size	4 each 30"
	Fast Line & Deadline Sheave – Size	1 each 30" & 1 each 36"
	Rated capacity	350,000 Lbs
	Mast Racking Capacity, with size DP	4 1/2" OD Drill pipe 10,300 Feet
	Racking platform capacity	4 1/2" OD Drill pipe 10,300 Feet
	Bumper Blocks under crown	Yes
	Casing stabbing board	International - Standing Board
<b>A3 - Mast Substructure</b>		
	Make and Type	International T-Type Telescoping With Derrick Base & Rig Base
	Height under Rotary Beams	14 feet clearance to rotary support beams
	Nominal Height & width	Three foot rotary beams
	Max. Set-back Load, (lbs)	200,000 pound set back capacity
	Simultaneous setback, hook load capacity	550,000 Lbs.
	Matting Boards	Yes
<b>A4 - Traveling Assembly</b>		
	Block, Type and Rating	BJ-Skytop/Brewster Combination 150 Ton
	Block Sheave Number, Size	4 x 30" Sheaves Grooved For 1-1/8" Line
	Hook, Type and Rating	BJ Unimatic 6150 150 ton
	Elevator Links, Size and Rating	1 x set 3 1/2"x 109"-350 Ton
		1 x set 4 1/2" x 144"500 Ton
<b>A5 - Drilling Line</b>		
	Make & Type	Union Wire Rope, EEIPS
	Nominal Diameter	1-1/8", 6 x 19
	Length	4,000'
	Spare Reel	Yes
	Equipped with spooling system,	No
	Drilling line drum power driven	No

ITEM NO	DESCRIPTION	SPECIFICATION
<b>SECTION 'B': ROTARY EQUIPMENT</b>		
<b>B1 - Swivel</b>		
	Manufacturer	Continental. Emsco
	Model	LB 300
	Load Rating	300 ton.
	Working pressure	4,000 Psi
	Gooseneck & wash pipe minimum ID	ID 3"
	Pin connection	6 5/8" REG., LH
	Kelly Cock	Yes
	Quick Change Packing Assembly	Yes
	Kelly Spinner Make / Type	International A6-C Air Operated When Top Drive Not In Use
	Rotary Hose Length / Rating	55' x 7,500 Psi Working Pressure
<b>B2 - Kelly</b>		
	Type	Grant Prideco Hex.
	Size OD & ID	1 ea: OD 5-1/4" ID 2 3/4" Hex Kelly
	Upper & Lower connection	Box 6 5/8" LH Reg x 4 "IF NC 46 Pin
	Length	35 Feet
<b>B3 - Rotary Table &amp; Equipment</b>		
	Make and Type	Continental Emsco Model 17-1/2" (T-1750-44)
	Max. Opening	17-1/2" (Split master bushing)
	Drive	Propeller Shaft Via Full Air Rotary Clutch
	Maximum Output	220 RPM
	Master Bushings	17 1/2" Split
	Static Load Rating/ Rated capacity	350 Lbs
	Bowl Inserts for Casing	13 3/8", 9 5/8"
	Output power	900 Hp
	Rotating Load	350 Lbs
	Master Casing Bushing	Dencon UC Solid Casing Bushings For 13 3/8" CSG W/ 2531 Bowl For 9 5/8" CSG
<b>SECTION 'C': PUMPING AND HIGH PRESSURE DISCHARGE SYSTEM</b>		
<b>C1 - Mud Pumps</b>		
	Type	2 only Gardner Denver PZ - 8 Triplex
	Pump Drive By Caterpillar 398	2 only Caterpillar D-398 Engines
	Maximum Input Horse Power per Pump	750 H.P.
	Pulsation Dampeners (1 unit per pump)	Continental PD-55
	Reset Relief valves (1 unit per pump)	Retsco 5000psi lever resettable
	Super charging Pumps (1 unit per pump)	Mechanical Belt Driven W/- 6"x 5"x14" Mission Magnum Pump
	Suction Strainer	Yes
	Discharge strainer	Yes
	Discharge/Suction Line (ID x ID)	4" & 10"
	Working flow rate, GPM (Liner 6 1/2")	448 GPM @ 130 Stk/Min W/- 6 1/2" Liners @ 100% Volumetric Efficiency.
	Continuous rating of each motor HP	750 HP each
	Pump stroke counter type	Totco
	Maximum pressure rating	5,000 Psi. With 4" Liners
	Pump SPM	130 SPM @ 100% (Maximum)
<b>C2 - High Pressure Mud Line</b>		
	Discharge Line	4 1/2"
	Working Pressure	5000 psi
	Standpipe manifold	4 1/2" With 4" 5,000 Psi Valves
	Kill line outlet	2" Gate Valve
	Rotary Hose	1 Plus 1 Spare
	Type	Gates Or Equivalent
	ID x Length	3 1/2" x 55'; 7.500 Psi.

ITEM NO	DESCRIPTION	SPECIFICATION
	Standpipe (s)	Included
	All unions	Integral - Non-thread type
<b>SECTION 'D': LOW PRESSURE MUD SYSTEM</b>		
<b>D1 - Mud Mixing</b>		
	Hoppers	2 each
	Location	Mud Dock Above Mixing Pumps
	Mud Weight Capacity	18.0 ppg
	Covered Area	Yes
	Mixing facilities	Yes
	Mixing pumps make & number	Two Each 6"x 5" x 14" Mission Magnum
	Drive	Two Each Sterling 75 HP / 356T Frame
<b>D2 - Active Mud Tanks</b>		
	Tank 1 (size & capacity)	32.5 Barrel Sand Trap
	Tank 2 (size & capacity)	85 Barrel Desander Tank
	Tank 3 (size & capacity)	85 Barrel Desilter Tank
	Tank 4 ( Size & Capacity)	120 Barrel Settling Tank
	Tank 5 ( Size & Capacity)	140 Barrel Suction Tank
	Tank 6 ( Size & Capacity)	140 Barrel Premix Tank
	Tank 7 or Pill Tank ( Size & Capacity)	67 Barrel Pill Tank
	Mud Agitators (No. & H.P)	4 ea Brandt Toshiba 10 HP / 256T Frame
	Weather protection over the mud pits	Roofing fitted
	Mud flumen and flow channels	Yes
<b>D3 - Trip Tank</b>		
	Capacity	28 Barrels
	Level Indicator	Martin Decker Mud Sketeer MFCX3A
	Location	Rig Floor at Driller's console
	Fill System:	1 each 3"x 2"x 12" Centrifugal Pump With On-Off Switch At Drillers Console
	Drive	1 each 20 HP Reliance Or Equivalent
	Trip Tank Alarm	Yes Martin Decker Mud Sketeer
	Manual Gauge	Yes
<b>D4 - Shale Shakers</b>		
	Number	N/A
	Make and Type	
	Average flow rate (GPM)	
	Electric motor type & number	
<b>D5 - Desander</b>		
	Make and Type	Derrick
	Number & Size Cones	3 x 10"
	Pump & Electric Motor	6" x 5" x 11" Mission Magnum w/ Reliance 75 HP
<b>D6 - Desilter</b>		
	Make and Type	Derrick
	Number & Size Cones	20 x 4"
	Pump & Electric Motor	6" x 5" x 11" Mission Magnum w/ Reliance 75 HP
<b>D7 - Degasser</b>		
	Make	Swaco
	Type	Vacuum
	Capacity	Max 1000 gpm
	Electric Motor	US Electrical 7.5 HP Type L
	Pump & Electric motor	6" x 5" x 14" Mission Magnum. 75 HP
<b>SECTION 'E': PRIME MOVERS / TRANSMISSION / ELECTRIC GENERATOR</b>		
<b>E1 - Diesel Engines</b>		
	Number	2 units
	Manufacturer	Caterpillar
	Model	3412
	Continuous Output (HP) at RPM	755 HP 563 KW at 1800 rpm

ITEM NO	DESCRIPTION	SPECIFICATION
	Noise Reduction	Sound Proof Shack
<b>E2 - Generators</b>		
	Number	2
	Manufacturer	Caterpillar
	Model	SR-4
	Output (KW)	396 KW
<b>E3 - AC Distribution System</b>		
	Manufacturer	Square-D
	Type	HCW 5080-8
	Rating	800 AMP
	Input/Output	480 Input / 120, 240 and 480 Output
	<b><u>AC Distribution System</u></b>	
	Manufacturer	Square-D
	Type	HCN 3254-4
	Rating	400 AMP
	Input/Output	208 Input / 120 And 240 Output
<b>E4 - Main Breaker</b>		
	Manufacturer	Square-D
	Type	HMA495S8
	Rating	800 Amps - 480 Volts
<b>E5 - Transformer system</b>		
	Quantity	One
	Type	Delta - Star, 150 KVA { 480/208/120 Volt }
<b>E6 - Emergency Shut Down</b>		
		Yes for all Prime Engines. Rig Saver Or Barber Shut Off Valves for Caterpillar Engines.
<b>E7 - Emergency Lighting</b>		
	Location	Generator Room, Koomey Shack, & Doghouse
<b>SECTION 'F' : AUXILIARIES EQUIPMENT</b>		
<b>F1 - Cutting &amp; Welding Equipment</b>		
	Number Cutting Equipment Sets	1 each
	Number Portable Welding Machines	2 each
	Make and Type	Miller Big Blue Model 400 300 Amp & Lincoln Electric Shield-Arc-SAE-400
<b>F2 - Air Compressors/Dryer &amp; Receivers</b>		
	Number	1 (New Installed in NZ 2008)
	Description	Main Compressor
	Make and Type	Gardner Denver EBP99J Screw Compressor
	Power Supply & Pressure	480 Volts / 120 psi
	Powered by Electric motor HP	100 Hp
	Output Max	475 CFM
	Number	1
	Description	Backup/Reserve Compressor
	Make and Type	Gardner Denver EBERGH Screw Compressor
	Power Supply & Pressure	480 Volts / 120 psi
	Powered by Electric motor HP	30 Hp
	Output Max	125 CFM
	Number	1 (New Installed in NZ 2008)
	Description	Air dryer
	Make and Type	Gardner Denver DGH 450
	Number	4
	Description	Rig Air Receivers
	Location	Compressor Shack, Air Receiver Skid & Sub base
<b>F3 - Hydraulic Power Unit</b>		

ITEM NO	DESCRIPTION	SPECIFICATION
	Number	1
	Tank Capacity	4.1 BBL
	Drive	One Each US Electrical 60Hp 364 T Frame
<b>F4 - Wire line Unit (Winch)</b>		
	Make & Type	Matthey
	Wire Size	1.83mm
	Length	10,000 feet
	Power	Hydraulic Power Unit As Above
<b>F5 - Hose</b>		
	Number	1
	Type	Global or Equivalent
	Size	2" x 30'
	Working Pressure	5000psi
	Fittings	Fig. 1502 Integral Unions
<b>F6 - Doghouse</b>		
	Number	1
	Size	28' x 8'
	Location	Rig Floor
<b>F7 - Mud Sample house</b>		
	Number	1
	Size	5' x 10'
	Location	Mud Tanks(Located over Active Tanks)
<b>F8 - Workshop Mechanic</b>		
	Number	1
	Size	8' x 40' Converted 40-Ft Sea Container.
<b>F9 - Workshop Electrician</b>		
	Number	1
	Size	8' x 20' Converted 20-Ft Sea Container.
<b>F10 - Kooamey Walks</b>		
	Number	2
<b>SECTION 'G': BLOWOUT PREVENTION AND WELL CONTROL EQUIP.</b>		
<b>G1 - Annular Type Preventers</b>		
	Size	21 1/4"
	Make and Type	Shaffer Spherical BOP
	Pressure Rating	2,000 psi
	Size	13-5/8"
	Make and Type	Shaffer LW Spherical BOP
	Pressure Rating	5,000 psi
	Bottom Connection	13-5/8" x 5,000 Psi Hub
	Top Connection	13-5/8 x 5,000 psi Studded
<b>G2 - Ram Type Preventers</b>		
		Recertified November 2008
		2 units Single Ram
	Size	13 5/8"
	Pressure Rating	5,000 Psi
	Make and Type	Shaffer LWS Single
	Top Connection	13 5/8" 5,000 Psi Hub
	Bottom Connection	13 5/8" 5,000 Psi Hub
	Outlet size, locations and connections	2 each 4-1/16" 5,000 Psi
	Connection on each side of rams bodies	Blanked off
<b>G3 - Ram Blocks</b>		
		All ram blocks recertified Nov 2008
	9 5/8" Rams	1 Set
	7" Rams	1 Set
	5" Rams	1 Set
	4 1/2" Rams	1 Set
	3 1/2" Rams	1 Set
	2 7/8" Rams	1 Set

ITEM NO	DESCRIPTION	SPECIFICATION
	Blind Rams	1 Set
	Variable Bore Rams (Size)	1 Set 2 7/8" – 5 1/2" No Ram Rubbers
<b>G4 - Mud Cross</b>		
	Number	1 (New 2006)
	Size	21 1/4"
	Pressure Rating	2,000 Psi
	Height	54"
	Bottom Connection	Flanged
	Top Connection	Flanged
	Outlets, Size, Rating	2 x 10" ANSI 900; R53- 2,000 Psi Flange
	Number	1 (New July 08)
	Size	13 5/8"
	Pressure Rating	5,000 Psi
	Height	18"
	Bottom Connection	13 5/8" Hub
	Top Connection	13 5/8" Hub
	Outlets, Size, Rating	1 ea 3 1/8" 5,000 Psi Flange 1 ea 2 1/16" 5,000 Psi Flange
<b>G5 - Spacer Spools</b>		
	Number	1 (Re certified July 08)
	Size	13 5/8"
	Pressure Rating	5,000 Psi
	Height	23 7/8"
	Bottom Connection	13 5/8" Hub
	Top Connection	13 5/8" Hub
	Number	1 (Re certified July 08)
	Size	13 5/8"
	Pressure Rating	5,000 Psi
	Height	24"
	Bottom Connection	13 5/8" Hub
	Top Connection	13 5/8" Hub
	Number	1
	Size	13 5/8"
	Pressure Rating	5,000 Psi
	Height	24"
	Bottom Connection	13 5/8" Hub
	Top Connection	13 5/8" Hub
<b>G6 - Adapter Spools</b>		
	Number	1
	Size	13 5/8"
	Pressure Rating	5,000 Psi
	Height	16"
	Bottom Connection	13 5/8" Flange
	Top Connection	13 5/8" Hub
	Outlets, Size	Nil
	Number	1
	Size	13 5/8"
	Pressure Rating	5,000 Psi
	Height	14"
	Bottom Connection	13 5/8" Flange
	Top Connection	13 5/8" Hub
	Outlets, Size	Nil

ITEM NO	DESCRIPTION	SPECIFICATION
	Number	1
	Size	13 5/8"
	Pressure Rating	5,000 Psi
	Height	14"
	Bottom Connection	13 5/8" Flange
	Top Connection	13 5/8" Hub
	Outlets, Size	Nil
	Number	1
	Size	13 5/8" x 11"
	Pressure Rating	5,000 Psi
	Height	12"
	Bottom Connection	11" Flange
	Top Connection	13 5/8" Hub
	Outlets, Size	Nil
	Number	1
	Size	13 5/8" x 7 1/16"
	Pressure Rating	5,000 Psi
	Height	13 1/2"
	Bottom Connection	7 1/16" Flange
	Top Connection	13 5/8" Hub
	Outlets, Size	Nil
<b>G7 - Double Studded Adaptors</b>		
	Number	1
	Bottom Connection	13 5/8", 5,000 Psi
	Top Connection	11", 5000 psi
	Height	5 1/2"
	Pressure rating	5000 psi
	Number	1
	Bottom Connection	13 5/8", 3,000 Psi
	Top Connection	13 5/8", 5,000 Psi
	Height	4"
	Pressure rating	3,000 Psi
	Number	1
	Bottom Connection	11", 3,000 Psi
	Top Connection	13 5/8", 5,000 Psi
	Height	4"
	Pressure Rating	3,000 Psi
<b>G8 - Risers / Bell Nipples</b>		
	Size	21 1/4"
	Pressure Rating	Open top
	Bottom Connections	21-1/4 Flanged
	Outlets, size	2" for fill up line & 12" For Flow Line
	Size	13 5/8"
	Pressure Rating	Open top
	Bottom Connections	13 5/8" Flanged
	Outlets, size	2" For Fill Up Line & 12" For Flow Line
<b>G9 - Diverter Valve</b>		
	Number	1
	Size & Type	10" Grove Series B5
	Pressure Rating	2,000 Psi
	Hydraulic / Air Actuated	Hydraulic
<b>G10 - 13 5/8" Mud Cross Kill Line Valves</b>		



ITEM NO	DESCRIPTION	SPECIFICATION
	Number	2 (new July 08)
	Size	2 1/16"
	Pressure Rating	5000 psi
<b>G11 - 13 5/8" Mud Cross Kill Line Check Valve</b>		
	Number	1 (new July 08)
	Size	2 1/16"
	Pressure Rating	5000 psi
<b>G12 - 13 5/8" Mud Cross HCR Valve</b>		
	Number	1 (new July 08)
	Size	3 1/8"
	Pressure Rating	5000 psi
<b>G13 - 13 5/8" Mud Cross Manual Valve</b>		
	Number	1 (new July 08)
	Size	3 1/8"
	Pressure Rating	5000 psi
<b>G14 - Diverter Line</b>		
	Type Of Pipe	Schedule 80 x 150' Long
	OD x ID	10" x 9"
	Connection	Flanged
<b>G15 - Pressure Unit/Accumulator Control Unit</b>		
	Make and Type	Koomey
	Capacity, Accumulator Pressure	220 Gallons / 3,000 psi
	No. of Accumulator Bottles & Size	22 x 11 Gallon
	Oil Capacity	220 Gallons
	No. of Station	7 Station - 5 Function Bop Closing Unit
	Remote Controls – locations	Rig Floor
	No. of Stations	7 Station -5 Function Bop Closing Unit
	Total bottles capacity	220 Gallon
	Bottle working pressure	3000 Psi.
	Reservoir Capacity	279 Gallons
	No. of Electric Pumps	1
	No. of Air Pumps	2
<b>G16 - Koomey Triplex pump W/- Elect motor</b>		
	Quantity	1
	Make & model	Koomey, A48-30, 3/4"x 2 1/4"
	Driven by	20 HP Electric Motor
	Flow rate	6.85 GPM, 3000 Psi.
<b>G17 - Koomey Air pumps</b>		
	Quantity	3
	Make & Model	Koomey, 88550
	Flow rate	3.75 Gpm, 2750 Psi.
<b>G18 - BOP Wrench</b>		
	Make and Type	Required Hammer Wrenches
<b>G19 - Choke Manifold</b>		
	Pressure Rating	5,000 psi
	Adjustable Choke, Make, Type	Cameron 2" Adjustable
	Remote Controlled Chokes	1 ea Swaco 2 9/16" 10,000 Psi Super Choke Recertified July 08
	Power Choke Remote Control panel/ Location	Rig floor
	Gate Valves with Flanges	12 In Total
		2 Ea 3 1/8" 5,000psi
		2 Ea 3 1/8" 3,000psi
		8 Ea 2 1/16" 5,000psi
	Buffer size and Pressure Rating	7" x 3,000 Psi
	Quantity of adjustable chokes	1 x Cameron Adjustable
	Power choke remote control Panel	Swaco Super Choke, Rig floor
	Hydraulic actuated choke valve	Swaco 2 9/16" Super Choke, 10,000 Psi.

ITEM NO	DESCRIPTION	SPECIFICATION
<b>G20 - Mud /Gas Separator Poor-Boy Type</b>		
	Make, Type and Size	Poorboy 48"
	Inlet Size & Connection	10" reduced to 4"
	Outlet Size and Connection	8" Mud Seal Line And 10" Flanged Vent Line
<b>G21 - Well Control Valves</b>		
	Number	1
	Make, type and size	Hydril Kelly Guard 4-1/4" x 10 000 Psi, NC-46
	Number	1
	Make, type and size	Hydril Kelly Guard 3-1/2"IF x 10 000 Psi
<b>G22 - Float Gray IBOP Valves (Stab Type Valve)</b>		
	Number	1
	Make	Gray
	Connection Size	4 1/2" XH - NC-46
<b>G23 - Float Valve</b>		
	For 7 5/8 Reg. Connections	2 ea Baker 5F-6R
	For 6 5/8 Reg. Connections	2 ea Baker 5F-6R
	For 4 1/2 Reg. Connections	2 ea Baker 4R
	For 3 1/2 Reg. Connections	2 ea Baker 2F-3R
<b>G24 - Circulating / Side Entry Subs.</b>		
	Type	Drilco Or Equivalent
	Number	1
	Top Connection	4 1/2" XH - NC-46
	Bottom Connection	4 1/2" XH - NC-46
	Side Entry connection	2" Fig. 1502
	Type	Drilco Or Equivalent
	Number	1
	Top Connection	3 1/2" - NC-38
	Bottom Connection	3 1/2" - NC-38
	Side Entry connection	2" Fig. 1502
<b>G25 - BOP Handling Device</b>		
	Make and type	Wire Rope Slings
	Lift capacity	Traveling Block
<b>SECTION 'H': DRILLING RIG FLOOR EQUIPMENT</b>		
<b>H1 - Standard - String Elevators</b>		
	Type, Capacity, Number	
	For 4 1/2" Drill Pipe	1 Set WTM 250 ton
	For 4 1/2" Drill Pipe	1 Set WTM 225 ton
	For 8" Drill Collar	Contractor Utilizes Lift Subs
	For 6 1/2" Drill Collar	Contractor Utilizes Lift Subs
	For 4 3/4" Drill Collar	Contractor Utilizes Lift Subs
	For 13-3/8" Casing	1 Set Varco 150 ton
<b>H2 - Single Joint Elevators</b>		
	For 13 3/8" Casing, Make, Type & No.	1 each Web-Wilson
	For 7" Casing, Make, Type & No.	1 each Web-Wilson
<b>H3 - Standard Manual Slips</b>		
	Type, Capacity, Number	
	For 3 1/2" Drill Pipe	1 Set Varco SDML 4 1/2 " Body
	For 8" Drill Collar	1 Set Varco-L
	For 6 1/2" Drill Collar	1 Set Varco-R
	For 4 3/4" Drill Collar	1 Set Varco-S
	For 13-3/8" Casing	1 Set Varco CMS-XL
<b>H4 - Drill Pipe &amp; Casing Tongs</b>		
	For 4 1/2" Drill Pipe	2 sets of Varco HT-55
	For 3 1/2" Drill Pipe	
	For 8" Drill Collar	
	For 6 1/2" Drill Collar	

ITEM NO	DESCRIPTION	SPECIFICATION
	For 4 3/4" Drill Collar	complete with jaws to suit
	For 13-3/8" Casing	
	For 9-5/8" Casing	
	For 7" Casing	
<b>H5 - Drill Pipe Spinning Tong</b>		
	Make and Type	Varco SSW-40
	Size Range	3-1/2" - 9"
	Power Supply	Air Operated.
<b>H6 - Power Casing &amp; Tubing Tongs</b>		
	Make and Model	Eckel 13-3/8"
	Speed High Gear	95 RPM
	Torque High Gear	4,400 FT/LBS
	Torque Low Gear	22,000 FT/LBS
	Speed Low Gear	16 RPM
	Jaw Sizes	7", 9 5/8", 13 3/8"
	Hydraulic Power Supply	Electric 75 Hp
	Make and Model	Weatherford Lamb
<b>H7 - Dog Collars/Safety Clamp</b>		
	Number	1
	Make and Type	Varco
	Size and Range	4 3/4"-9 1/2"
<b>H8 - Bit Breakers</b>		
	To Break 17 1/2" Tri-cone bit	1 each
	To Break 12 1/4" Tri-cone bit	1 each
	To Break 8 1/2" Tri-cone bit	1 each
<b>H9 - Winches</b>		
	Number	1
	Make and Type.	Beebe Bros, Model- FA2-16MR
	Wire line Size	5/8"
	Capacity	3,180 Lbs OEM
	Location	Drillers Side Rig Floor
	Manual brake	Yes
	Automatic brakes	No
	Power Supply	Air
	Number	1
	Make and Type.	Braden Model PD12CL-59034-02
	Wire line Size	1/2"
	Capacity	5,000 Lbs OEM
	Location	Drillers Side Carrier
	Manual brake	No
	Automatic brakes	Yes
	Power Supply	Hydraulic
<b>H10 - Mud Saver Box</b>		
	Make and Type	Oteco
	Size Range	4 1/2" & 3 1/2" Inserts
<b>H11 - Casing Fill-Up Line</b>		
	Fill Up Line O.D.	2"
	Location	Rig Floor
	Controls	Charge pump on - off switch at drillers console
<b>H12 - Well Fill-Up Line</b>		
	Make and Type of Line	Steel / Hose
	O.D.	2"
	Location	Trip tank to drilling nipple
	Controls	on - off switch at drillers console
<b>SECTION 'I' : DRILL STRING</b>		
<b>I1 - 4 1/2" Drill Pipe</b>		

ITEM NO	DESCRIPTION	SPECIFICATION
	Number, Total length	268 jts (8,000 ft approx)
	Size and Grade	168 joints 4 1/2", E -75
	Size and Grade	100 joints 4 1/2", S-135
	Weight	16.6 Lbs/ft.
	Range	2 (Approx 31.47 ft length)
	Tool Joint O.D.	6-1/4"
	Pin I.D.	3"
	Connection	NC-46
	Tapered shoulder tool joints, Degree	18° IEU Upset
	Internal Plastic Coating	Yes
	Type of hard facing on tool joints	Smooth X
	Thread Protectors	API Plastic
	Hardbanding	Yes As Above Smooth X
<b>I2 - Drill Pipe Pup-Joints, Dia 4 1/2"</b>		
	Length	5 foot
	Number	1
	Size and Grade	4 1/2", G-105
	Weight	16.6 Lbs/ft.
	Tool Joint O.D.	6 1/4"
	Pin I.D.	3"
	Connection	NC-46
	Internal Plastic Coating	No
	Thread Protectors	Steel pressed
	Hard banding	N/A
	Length	15 foot
	Number	1
	Size and Grade	4 1/2", G-105
	Weight	16.6 Lbs/ft.
	Tool Joint O.D.	6 1/4"
	Pin I.D.	3"
	Connection	NC-46
	Internal Plastic Coating	No
	Thread Protectors	Steel pressed
	Hard banding	N/A
<b>I3 - Heavy Weight Drill Pipe</b>		
	Number	32 Jts. (New Oct 2008)
	Size and Grade	4 1/2" HWDP
	Weight	41 Lbs/ft.
	Range/ Length	30' ft. each
	Tool Joint O.D.	6 1/4"
	Pin I.D.	2 3/4"
	Connection	NC46
	Internal Plastic Coating	Yes
	Thread Protectors	Steel pressed
	Hard banding	Smooth X
<b>I4 - Drill Collars, 8"</b>		
	Number/ Jts.	5 Jts. (New Oct 2008)
	O.D.	8"
	I.D.	2-13/16"
	Length	31' ft. (each)
	Connection	6-5/8" regular
	Spiral Grooved (number)	Yes - 20
	Lift Shoulder	No
	Thread Protector	Steel pressed
	Slip Recess	Yes
	Hard banding	Grade 4145M

ITEM NO	DESCRIPTION	SPECIFICATION
	Last Inspection (date)	
	Lifting Subs	Yes
<b>I5 - Drill Collars, 6 3/4"</b>		
	Number/ Jts.	21 Jts. (New Oct 08)
	O.D.	6 3/4"
	I.D.	2-13/16"
	Length	30' ft. (each)
	Connection	NC 46
	Spiral Grooved (number)	Yes
	Lift Shoulder	No
	Thread Protector	Steel pressed
	Slip Recess	Yes
	Hard banding	Tuboscope TCS 8000
	Last Inspection (date)	18th June 08
	Lifting Subs	Yes
<b>I6 - Junk Subs (Boot Basket)</b>		
	Junk Sub to fit 6-5/8" connection	1 each
	Junk Sub to fit 4 1/2" connection	1 each
	Junk Sub to fit 3 1/2" connection	1 each
<b>I7 - Bit Subs (Bored for float)</b>		
	For 7 5/8" Reg. Connections	2 each
	For 6 5/8" Reg. Connections	2 each
	For 4 1/2" Reg. Connections	2 each
<b>I8 - Kelly Saver Subs</b>		
	Number and Pin Connection	2 each NC46
<b>I9 - Cross over Subs</b>		
	Drill Pipe to Drill Collar	1 each, NC46 Box x 6 5/8" Reg Pin
	Drill Collar to Drill Collar	1 each, NC46 Box x 6 5/8" Reg Pin
	Drill Collar to Drill Collar	1 ea, 6 5/8" Box x 7 5/8 " Reg. Pin
<b>SECTION 'J' : 3 1/2" DRILL STRING</b>		
<b>J1 - Drill Collars, OD 4 3/4"</b>		
	Number/ Jts.	18 jts
	O.D.	4 3/4"
	I.D.	2 1/4"
	Length	30ft
	Connection	NC 38
	Spiral Grooved (number)	Yes
	Lift Shoulder	No
	Thread Protector	Steel pressed
	Slip Recess	Yes
	Hard banding	Tuboscope TCS 8000
	Last Inspection (date)	
<b>J2 - Bit Subs (Bored for float)</b>		
	For 3 1/2" Reg. Connections	One each
<b>J3 - Cross over Subs for Mixed String</b>		
	Drill Pipe to Drill Pipe	1 ea, NC46 Box x NC38 Pin
<b>SECTION 'K' : PARAMETERS RECORDING/INDICATING EQUIPMENT</b>		
<b>K1 - Weight Indicator</b>		
	Make and Type	Martin Decker Type 'FS'
<b>K2 - Sensor</b>		
	Type	E542
<b>K3 - Mud Pressure Gauge</b>		
	Make and Type	Totco 0-5000 psi.
<b>K4 - Digital Mud Pressure Gauge</b>		
	Make and Type	Nil
<b>K5 - Torque Indicator</b>		

ITEM NO	DESCRIPTION	SPECIFICATION
	Make and Type	Rotary Table: 1 ea Martin Decker Hydro-Mech
<b>K6 - Pump (SPM)</b>		
	Make and Type	Digital Swaco Counter
<b>K7 - Rotary (RPM)</b>		
	Make and Type	Martin Decker 0-250 RPM
<b>K8 - Wire line Anchor</b>		
	Make and Type	Hercules 118T
<b>K9 - Flow meter</b>		
	Make and Type	Martin Decker Mud Sketeer
<b>K10 - Pit Level Indicator</b>		
	Make and Type	Martin Decker Mud Sketeer
	Number of Sensors	2 ea Active & 1 ea Trip Tank
<b>K11 - Tong Torque Indicator</b>		
	Make and Type	AOI, 0-25,000 lbs/ft.
<b>K12 - Deviation Surveying Equipment</b>		
	Make and Type	Totco Go Devil, 1 1/4"OD Barrel
	Accessories	Sinker bar and tools for Go-Devil
	Range 0-7 degree.	1 ea
	Range 0 - 14 degree	1 ea
	Retrieving Tools	1ea Overshot to retrieve tool
<b>K13 - Trip tank indicator</b>		
	Make & Model	Martin Decker Mud Sketeer MFCX3A
	Manual	Yes Rig Floor
<b>K14 - Remote choke control unit Panel</b>		
	Make	Swaco Super Choke
<b>K15 - Drilling Parameter Recorder</b>		
	Make & Type	Totco Geograph with 4 pen recorder
<b>K16 - Pit Volume Analyzer</b>		
	Make & Type	Martin Decker Mud Sketeer
<b>K17 - Flow rate Analyzer</b>		
	Make & Type	Martin Decker Mud Sketeer
<b>K18 - Trip tank Analyzer</b>		
	Make & Type	Martin Decker Mud Sketeer
<b>K19 - Stand pipe pressure gauge</b>		
	Make & Type	Oteco, 0-6,000 Psi.Model 6
<b>K20 - Choke Manifold pressure gauge</b>		
	Make & Type	Choke Manifold: Martin Decker (Analog), 0-10,000 Psi.
		Swaco Panel: Totco 0-10,000 Psi
<b>K21 - Stand pipe Manifold pressure gauge</b>		
	Make & Type	Choke Manifold: Martin Decker (Analog), 0-10,000 Psi.
		Swaco Panel: Totco 0-10,000 Psi
<b>K22 - Mud Pump pressure gauges</b>		
	Make & Type	Oteco, 0-6,000 Psi.Model 6
	Connection	1502 Hammer Union
	Quantity & pressure range	3 ea, 0-6000 Psi
<b>K23 - General Instruments</b>		
	Internal /external calipers	0-12 1/2", 2 ea
	Rig tapes	0-150', 2 ea
<b>SECTION 'L' : FISHING TOOLS</b>		
ITEM NO	DESCRIPTION	SPECIFICATION
	Nil Supplied	
<b>SECTION 'M' : SAFETY EQUIPMENT</b>		
<b>M1 - Safety Equipment</b>		

ITEM NO	DESCRIPTION	SPECIFICATION
	<b><u>Safety Belts for Work at Heights</u></b>	
	Number and Manufacturer	8ea Sala Fall arrest or Equiv
	<b><u>Eye wash stations</u></b>	
	Number	4
	Make & Model	3 each Eye saline Encon 2358.1-1990 1 each Porta Stream 32-000100
	Locations	Rig floor, Mud tanks, Hoppers
	<b><u>Emergency shower</u></b>	
	Number	3
	Locations	Mud mixing hoppers, Mud House & Rig floor
	<b><u>Derrick safety equipment</u></b>	
	Derrick escape Device	Uniscape Model - 003
	<b><u>Self Contained Breathing apparatus</u></b>	
	Number	2 Units
	Make & Type	Draeger EZ flow air pack SCBA 2.2 for 30 mins.
	<b><u>First aid Kits</u></b>	
	Make & Type	First Aid Kits.
	Locations	Dog house,
	<b><u>Burn Kits/Fire blankets</u></b>	
	Make, Type & Locations	Welder & Doghouse.
	<b><u>Stretchers</u></b>	
	Locations	Doghouse
<b>M2 - Rig Site Fire Extinguishers</b>		
	Large size Powder type	2 x 22.5kg
	Small Size Powder type	15 x 9 kg
	Diesel Portable Fire Pump	Nil
	Hi-Combat Mobil Foam Unit	Nil
	Hi-Combat PPE, QTY/ Description	Nil
	Maintenance Program for Fire Fighting Equipment	In place weekly & monthly inspections carried out.
	Fire Water Supply	Yes - Day tank
<b>M3 - Gas Protection</b>		
	Resuscitator Make and Type	Nil
	Oxygen Cylinder	Nil
	Breathing Apparatus Make and Type	Nil
	Gas Detection Kit	1 each, Draeger Multiwarn gas detector/ hand held unit
<b>M4 - First Aid Equipment</b>		
	Stretcher	Yes
	Make and Type	Ferno - Basket & Flat
	Location	Doghouse
	As Per HSE Requirements	Yes
<b>M5 - Warning Signs*</b>		
	As Per HSE Requirements	Yes
<b>M6 - Safety Equipment</b>		
	Fall Protection Devices	Lad-Safe, Life line restraint
	Type	Lad Safe
	Location	One on driller side mast
	Type	Solid mounted overhead beam with pad eye and Sala Block
	Location	Mounted on Monkey board
	Eye Wash Facilities Location	Rig floor, mud tanks, and mixing hoppers
	Hazardous Chemical Information Board	Yes
	Shower Head - Locations	Located At Mud Mixing Hoppers & Rig Floor, Mud House
<b>SECTION 'N' : MAIN RIG CAMP &amp; MINI CAMP</b>		
	<b>Nil Supplied</b>	

ITEM NO	DESCRIPTION	SPECIFICATION
<b>SECTION 'O' : TANK STORAGE AND TRANSPORT</b>		
<b>O1 - Rig Fuel Tank</b>		
	Number	1
	Capacity	148 BBL - 23,485 Liters
	Description	Cylinder Storage
	Equipped with Fuel Level Sight Gauge and Tank Marked by Inch Calibration	Yes
	Fuel Flow Meters	Yes
<b>O2 - Water Tanks</b>		
	Number	1
	Capacity	360 BBL - 57,330 Liters
	Location	Beside Mud Tanks
<b>O3 - Cranes</b>		
	Number	1
	Make and Type	P& H R-200
	Description	All Terrain
	Max Load Capacity	20 Ton
<b>O4 - Forklifts - Frontend Loaders</b>		
	Number	1
	Make and Type	Caterpillar 950E
	Description	Loader complete with forks
	Max Load Capacity	4 Ton
<b>SECTION 'P' : WATER PUMPING EQUIPMENT</b>		
<b>P1 - Pumps</b>		
	Number	1
	Type	Gardner Denver FXG-365 Duplex
	Liner Size	3 1/2 & 4"
	Power Supply	Caterpillar D3304
	Location	Water source
<b>SECTION 'Q' : COMMUNICATIONS &amp; COMPUTER EQUIPMENT</b>		
<b>Q1 - Intercom Systems</b>		
	Description	Rigsite Communication System
	Make and Type	Gaitronics Corp.
	Number of Stations	6
	Positions located	As required
	Description	Rig Floor to Monkey Board Communication System
	Make and Type	Atkinson Dynamic
	Number of Stations	2
	Positions located	Rig Floor & Monkey Board
<b>SECTION 'R' : SPARE PARTS FOR RIG &amp; EQUIPMENT</b>		
<b>R1 - Warehouse</b>		
	Number of Containers (warehouse)	2 each 8' x 20' Container
	Inclusive of Office & Rubber Room	1 each 8' x 40' Container
<b>R2 - Spare parts</b>		
	List of Spare parts (Inventory)	Available Upon Request



ITEM NO	DESCRIPTION	SPECIFICATION
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