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Rig 16 Inventory Summary

(Updated 08-16-08; Note - Inventory Subject to Change)

Drawworks	Cabot 750 Double Drum Drawworks, 750 HP, Lebus grooved for 1 1/8" line, Air Operated Drillers Control Console, R&H 22" Double Hydromatic Brake, Crown-O-Matic
Mast	Cabot Model 112-300, 112'H 4-Leg Telescoping Double Mast 300,000 Lbs. Static Hook Load, Hydraulically Raised, 7 Sheave Crown Block, Crown Safety Platform, Ladder, Guylines
Carrier	All Above Mounted on Franks 4-axle Trailer, w/ 2 Engine Compound (2) Tru-Flo 1000 Air Compressors, (1) 175 Gal. Hydraulic Reservoir, (1) 100 Gal. Air Receiver Tank, (1) 200 Gal. Air Receiver Tank, (4) Leveling Jacks, (2)– 200 gal. Fuel Tanks,(1) Braden Hydraulic Winch 12,000 lbs Capacity, (1) Hydraulic Motor Driven Quincy 390 Air Compressor, Folding walkways, Stairs, Safety Rails, 295/75R22.5 Rear Tires
	# 1 Engine - Caterpillar 3406 TA, Allison Transmission
	# 2 Engine - Caterpillar 3406 TA, Allison Transmission
Substructure	11'W x 15'H x 40'L Telescoping Substructure 12'H Clear Height Ground to Rotary Beams, w/ Rotary Beams, V-Door Ramp, Stairs, Safety Rails, (2) 12,000Lbs. BOP Lifting Hoists w/ Trolley Beams, 10'W x 4"H x 46'L Mud Boat, 8'W x 40'L Derrick Sub w/ Stairs
Rotary Table	RT 175 17 1/2" Rotary Table, w/ Split Master Bushings
Blocks/Hook	YG 135, 150 Ton Block/Hook Combination
Swivel	SLT 170, 180 Ton
Kelly	4 1/4" x 38' Hex Kelly
Kelly Drive Bushings	4KRVS 4 1/4" Hex, Square Drive Kelly Bushing
Kelly Spinner	Oil Works 1500 Kelly Spinner
Elevator Bails	2 1/4" x 108"L 250 Ton

Power Swivel	Venture Tech, 150 Ton, 12,000 Ft/Lb. Torque @ 5,000 Psi.
Power Swivel Unit	Venture Tech, p/b Caterpillar C-9 Diesel Engine, Sauser Danfoss Pump
Accumulator	Guangzhou Dongsu Machinery 5 Station, 295 Gal. Tank, (12) 11 Gal. Accumulator Bottles, Mounted on Water Tank Skid, w/ 5 Station Remote Control, Mounted in Doghouse.
BOPs	Zhaoyang Xide Products 11" 5K Annular M/N FH28-35
	Zhaoyang Xide Products 11" 5K Double Ram, w/ (4) 3 1/16" x 5K Flanged Side Outlets, w/ (1set) Blind Rams, (1set) 4" Pipe Rams
	11" x 5K x 24"H Drilling Spool w/ (2) 4 1/16" 5K Side Outlets
Choke	Cameron 3 1/8" x 5K, w/ (1) 5 way Block, (8) 3 1/8" x 5K Gate Valves, (1) 2 1/16" x 5K Gate Valve, (2) 3 1/8" x 5K Adjustable Chokes, (1) Buffer Chamber, Mounted on skid with Degasser.
Degasser	30"Dia x 12'L Mounted with choke on 8'W x 20'L Skid
Choke Line	(1) 4 1/16" x 5K Gate Valve, (1) 4 1/16" x 5K HCR Valve
Kill Line:	(2) 2 1/16" x 5K Gate Valve, (1) 2 1/16" x 5K Check Valve
Mud Pump #1	National 8-P-80 Triplex Pump, 800 HP., Continental Emsco K20-5000 Pulsation Dampener, Oteco 3" x 5,000 psi Shear Relief Valve, National Oilwell Type D 0-5,000 PSI Pressure Gauge, Bridges Equipment Chain Drive Assembly, Master skidded w/ Caterpillar D398 Diesel Engine, Air Start, MCM 5" x 6" Centrifugal Charging Pump, MCM 1 1/2" x 2" Centrifugal Liner Wash Pump
Mud Pump #2	National 8-P-80 Triplex Pump, 800 HP., Hydril K20-5000 Pulsation Dampener, Oteco 3" x 5,000 psi Shear Relief Valve, Type D 0-6,000 PSI Pressure Gauge, Chain Drive Assembly, Master skidded w/ Caterpillar D398 Diesel Engine, Air Start, National Torque Converter, MCM 5" x 6" Centrifugal Charging Pump, Mission Pedestal 1 1/2" x 2" Centrifugal Liner Wash Pump
Mud System	(1) Shop Built 10'W x 6'H x 45'L, 350 Bbl. Suction Pit w/ 12'L Porch Extension, (3) Compartments, Flat Bottom, Internal Plumbing, Top Mounted Walkways, Stairs, Safety Railing
	(1) Double Life 5" x 6" x 11" Centrifugal Mixing Pump, p/b Baldor Brand 50 HP Electric Motor
	(1) Double Life 5" x 6" x 11" Centrifugal Mixing Pump, p/b Baldor Brand 50 HP Electric Motor
	(3) FSI MA10HP Model 10HP Low Profile Mud Agitators
	(1) Shop Built 10'W x 6'H x 45'L, 350 Bbl. Shaker Pit w/ 11'L Porch Extension, (3) Compartments, Flat Bottom, Internal Plumbing, Top Mounted Walkways, Stairs, Safety Railing

	(1) Double Life 5" x 6" x 11" Centrifugal Mud Cleaner Pump, p/b Baldor Brand 50 HP Electric Motor
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	(2) FSI MA10HP Model 10HP Low Profile Mud Agitators
	(2) FSI Series 5000 B4X-12 High G Force Linear Motion Shale Shaker
	(1) FSI Series DSR2H-10 Desander w/ (3) 10" High Volume Desander Cones
	(1) FSI Series SSR12HIL-4 Desilter w/ (12) 4" Cones
	(1) FSI Vacuum Degasser, w/ Ingersoll-Rand Vac Pump
Generator / Utility House	(2) Generator- Detroit 350 Kw AC Generator, p/b Detroit Series 60 Diesel Engine, Electric Start
	75 KVA Transformer
	(2) Air Compressor - Quincy M/N QR390, p/b 20 HP Baldor Electric Motor
	(2) Elite Series ECP80 Refrigerated Air Dryer
	(1) 120 Gal. Air Receiver
Water Tank	(1) Shop Built 10'W x 8'H x 30'L 425 Bbl. Water Tank w/ 20' Covered Porch
	(2) Double Life 3" x 4" x 13" Centrifugal Water Pump, p/b 30 HP Electric Motor
Fuel Tank	12,000 Gal. Fuel Tank w/ 8'W x 12'L Pump House, w/ O'Drill Fuel Filter & (2) Roper 2AM12 Fuel Pumps p/b Baldor 5 HP Electric Motors, 4 Compartment Lubester, Shelving
Doghouse	8'W x 20'L Dog House w/ (3) Lockers, Knowledge Box, Bench Storage, Lights, Heater,
Change / Parts House	10'W x 40'L Skid w/ 20'L Parts House w/ shelving, w/ 17'L Change House w/ (20) Lockers, Bench, Lights, Heater, Table
Instrumentation	Atlis Instrumentation Type FS, 300,000 Lb. Weight Indicator, w/ Pump Pressure Gauge and (2) Tong Line Pull Gauges, Rotary Torque Gauge
	Atlis Instrumentation Automatic Driller
	3-Pin Drilling Recorder
	(1) Five Star Wireline Retriever, w/ 15,000' of .092 wire
Handling Tools	(1 set) Type B Rotary Tongs w/ 3 1/2" - 5", 5" - 6 3/4", 6 5/8" - 9" Jaws
	(1 set) Type C Rotary Tongs w/ 3 1/2" - 5", 5 1/4" - 7" Jaws
	(1) 4" Woolley 225 Ton Drill Pipe Elevators
	(1) 4" Woolley Drill Pipe Slips
	(1) Type A 5 1/2" to 7" DC Slips
	(1) Type A 6 3/4" to 8 1/4" DC Slips
	(1) 6 1/4" DC Safety Clamp
	(1) 8" DC Safety Clamp
	(1) Oil Works 35C 7 Pipe Spinner, Air Operated

Ancillary Equipment	(1) 5'W x 18"H x 50'L Catwalk 2 Pieces
	(4 set) 18"H x 30'L Pipe Racks
	(1) 3 1/3" x 55'L Rotary Hose
	(3) MDL 800 Bug Blowers 24", 36", 48"
	(1) 8' x 20' Parts Container w/ Shelving, Lighting
	(1) Ingersoll-Rand 10,000 Lb. Man-Rider Winch
	(1) 8'W x 4'H x 20'L Junk Box
	(1) Mud Bucket
	(1) 75 KVA Camp Transformer
Drill Pipe and Drill Collars	(20) 6 1/4" Slick Drill Collars
	4" S-135- 14.40 lb 4 " full hole connection Drill Pipe
	(2) 8" Spiral Drill Collars
	(11) 6 1/4" x 36"L Lift Subs w/ 4 1/2" XH Pin
	(3) 7 3/4" x 36"L Lift Subs w/ 6 5/8" Regular Pin
	(2) MDL-DM- 143B Lower Kelley Valve 4 1/2" XH x 10K
	(1) MDL-DM- 123FH Lower Kelley Valve 4" FH x 10K
	(1) MDL-DM- 156 Lower Kelley Valve 6 5/8" XH x 10K
Air Package	(1) Atlas Copco 980/365 Rotary Screw Compressor, p/b Caterpillar W/C13ATAAC Diesel Engine, ARR.#241-3804, Skidded
	(1) Atlas Copco 980/365 Rotary Screw Compressor, p/b Caterpillar W/C13ATAAC Diesel Engines, Skidded
	(2) Atlas Copco Rotary Screw Compressor, p/b Caterpillar C13 Diesel Engine, 440 HP, Electric Start, Skidded
	Above mounted on Aztec 7'7"W x 42'L Tandem Axle Trailer, w/ 11R24.5 Tires
	(1) Ariel JGJ-2 Two Stage Booster, p/b Detroit 60 Series, 14L. 630 HP Diesel Engine, Electric Start, Skidded
Rotating Head	Washington 11" 3M Flange