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Rig 12 Inventory Summary

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

Drawworks	One (1) OIME SL-5 drawworks 700 HP, Parmac 343 Hydromatic brake, drum grooved for 1 1/8" drilling line, Crown-o-matic
Catworks	One (1) OIME C-7, 400 HP, with torque tube with one each model 37AH make up cathead and one model 24AH break out cathead
Mast	One (1) Parco 550-K cantilever mast, 131' tall mast with mast stand, Tong counter weights, Ladder, Derrick climber, Geronimo Static hook load with 10 lines – 550,000 lbs maximum wind 85 MPH, with 4 inch 5,000 psi standpipe & standpipe manifold
Substructure	One (1) substructure Parco split level, 550,000 lb hook load with maximum pipe setback capacity 400,000 (simultaneous) 18' height above ground with 15' clear height under the rotary table
Rotary Table	One (1) Pyramid-Hacker 27-1/2" rotary table rated at 275 tons, disk back brake system with split rotary table bushings
Engines	Three (3) Caterpillar 3408B engines 375 HP each with Allison CT6061 transmissions on compound
Mud Pumps	Two (2) 1000HP triplex mud pumps independently driven by Caterpillar D-399 engines
Travelling Block	One (1) Ideco model shorty, 260 ton traveling block, 5-36" sheaves and 1-1/8" line
Hook	One (1) ideco, model shorty, 260 ton
Elevator Links	One (1) set elevator links, 2-3/4" x 114" x 300 tons
Swivel	One (1) Ideco swivel, model TL-300, capacity 300 tons
Drill Line	One (1) 5000' of 1-1/8" drilling line with
Deadline Anchor	One (1) National type D deadline anchor with Martin Decker type E-80 load cell
Air Hoists	Two (2) Ingersoll Rand K5UL air hoists with 5/8" wire line
Crown Block Assembly	One (1) OIME 5-36" sheaves and 1-52" fast line sheave grooved for 1 1/8" drilling line
Toolpusher's Trailer	One (1) Rig Manager trailer with two each bedrooms, two bathrooms, kitchen, laundry room

Mud Conditioning Equipment	Mud pits – 720 total barrels 1-270 bbl suction pit with four compartments, three Brandt 10HP mud agitators, one mixing mud hopper and one 50 HP 5 x 6 Halco 2500 supreme centrifugal pump.
	1-200 bbl shale pit with four compartments, 1-Brandt 10HP mud agitator and 3 each per tank 3" mud guns with 1 ¼" nozzles
	1-250 bbl storage pit with two HP mud mixers powered by one 5 x 6 centrifugal pump
	One (1) Derrick mud cleaner FLC 3 panel with 20-4" desilter cones powered by 50HP MCM 5 x 6 Centrifugal pump
	One (1) Harrisburg desander with 1-12" desilter cone, powered by 50HP MCM 5 x 6 centrifugal pump
	Two (2) Derrick flow line cleaners
	One (1) mud bucket with 5 and 3-1/2" inserts, discharge hose to the flow line
	One (1) mud line, manifold: 4" 5000 psi mud line with 6-4" 5000 psi Demco gate valves and 3-4" 5M# vibrator hoses
	One (1) rotary hose, 3 ½" ID with 4" unions, 5000 PSI WP, length 60'
BOP Equipment	One (1) Hydril annular BOP, 13 5/8" , 2000 psi stud top and 13 5/8" flanged bottom 3000 psi
	One (1) Washington rotating head series 1300, 13 5/8" bottom flange 3000-5000 psi, 150 psi WP
	One (1) Cameron double BOP, 13-5/8" 5000 psi, type U, flanged top and bottom with 4-3-1/16" 5000 psi outlets and standard 11" cylinders
	One (1) Cameron hydraulic actuated gate valve, operated, 4-1/16" 5000 psi
	One (1) Cameron gate valve, manually operated, 4-1/16" 5000 psi
	One (1) Cameron gate valve, manually operated, 2-1/16" 5000 psi
	One (1) choke line, armored fire resistant API flexible hose 3" 10,000 psi, 3" ID, API 4 1/16" flanged both ends, 44' 8" long
	One (1) Kill line, steel flex hose, 5000 psi, 2" ID, API fig 1002 hammer unions
	One (1) choke manifold with 2 each 4 1/16" 5000 CIW Type FC manually operated gate valves, 5 each 3 1/16" 5000 psi CIW Type F manually operated gate valves, 1 each 5000 psi 4" Oteco manual operated valve 2 each 5000 psi 2 1/16" Cameron manually operated gate valve, 1-4 way tee block, 2 each 2 1/16" 5000 psi manual operated hydraulic choke, 8-5/8" OD header pipe, 2-3-1/8" 5000 psi flanges and 1-4-1/8" 5000 psi flange
	One (1) Air remote control unit mounted inside top dog house with access to control valves from the rig floor
	One (1) lot colflex BOP hoses, One (1) Degasser
Air Compressors	One (1) Quincy piston compressor, model 390LVD-A, with 20 HP electric motor and 300 gallon receiver tank
	Two (2) air dryer, Airtek desiccant type, model TW55 T(4103-09K, (arctic class)
Handling Equipment	One (1) set Woolley type B tongs, with jaws for 3-1/2" to 10-3/4", 11-3/4" and 13-3/8"
	One (1) Oil works Kelly spinner with RH & LH air drive motors, 6-5/8" regular Box & Pin
Drill Collars	TBD
Drill Pipe	TBD
Miscellaneous Equipment	One (1) 550 bbl water tanks, two (2) each 3 x 4 centrifugal pumps with 25HP AC electric motors
	One (1) 285 bbl fuel tank, 2 each 3.5HP 1 x 1 ½ centrifugal pump, 2 each Roper transfer pumps and Winslow duel sock fuel filter system
	One (1) utility house with accumulator unit, (1) each Koomey model 80, 5 station, 12-

	20 gallon bottle (10gallon useable fluid), powered by Koomey triplex pump powered by 10HP electric motor and two air driven pumps
	Two (2) Armstrong generators, each generator 300 KW, 480 volts, each powered by an Ideco engine, one AC transformer main rig power KVA 45, one AC Transformer KVA 45 on separate skid, both air cooled and diesel fuel day tank
	One (1) Westinghouse control panel, dual generator system with nine (9) breakers
	One (1) Quincy piston compressor, model QR390 with 20HP electric motor and 400 gallon receiver tank
	One (1) Totco drilling recorder to indicate drilling depth and record rate of penetration, weight of drilling assembly, pump pressure
	One (1) drillers instrumentation box with Martin Decker weight indicator, type clipper, Atlas pump pressure gauge, tong line pull gauge, rotary torque gauge
	One (1) drillers instrumentation console with control valves for M/B tongs, mud pumps, transmission shifters, rotary table and drawworks hoisting clutch
	One (1) lot utility suitcase, with Koomey lines, water lines, steam line, air line and electric cables inside
	One (1) Mathey wireline unit with 15,000' of .092 wire line, 15HP electric motor
	Two (2) Flapper type float valves (6" & 8")
	One (1) bottom change house with 19 each lockers, benches and insulated with one (2) electric heater and parts room (10' x 40')
	One (1) top dog house with drillers knowledge box, tool box, electrical outlets, satellite automatic driller type Apollo and 1 each electric heter (10' x 30')
	One (1) set rig mats, 8' x 12' x 6'
	One (1) lot of rig lights and wiring
	One (1) each of drill collar clamp for 9-1/2" and 6-3/4" drill collars
	Four (4) pipe racks, 28' length x 43" high
Other Equipment Available by Negotiation	Tesco 250 ton HMIS Top Drive complete with rails and full set of controls. Powered by portable Tesco power unit with Detroit 60 series engine