

## RIG INVENTORY OF EQUIPMENT



**DRAWWORKS:** INGERSOLL-RAND (IRI) 1200 SERIES TRAILER MOUNTED RIG WITH IRI 2550 MECHANICAL DRAWWORKS WITH TWIN PARMAC V-80 HYDROMATIC BRAKES

**ENGINES:** TWO (2) CAT 3412 DITA ELECTRONIC CONTROLLED DIESEL ENGINES RATED 750 HP EACH AT 2100 RPM WITH ALLISON MODEL S6600 TRANSMISSIONS, COMPLETE WITH HYDRAULIC CONTROLS, POWERING THE 1500 HP DRAWWORKS

**MAST:** IRI 136' MAST WITH 700,000# HOOKLOAD. MAST HAS CAPABILITY TO ACCOMMODATE A 700 HP TOP DRIVE

**SUBSTRUCTURE:** IRI 22' TELESCOPING SUBSTRUCTURE RATED AT 700,000# ROATARY LOAD WITH 400,000# SIMULTANEOUS SETBACK

**TOP DRIVE:** TESCO 250 HXI 700 TOP DRIVE AND POWER UNIT, RATED 700HP, 250 TON, (2) SPEED/TORQUE RANGES, 24,000# MAX CONTINUOUS TORQUE W/MAX 100 RPM AND 12,000# MAX CONTINUOUS TORQUE W/MAX 200 RPM

**MUD PUMPS:** TWO (2) GARDNER DENVER PZ-11 TRIPLEX PUMPS, 1600HP, EACH POWERED BY 1864HP CATERPILLAR 3512C HD DIESEL ENGINES, EACH W/NATIONAL C-300 TORQUE CONVERTERS, FORGED STEEL FLUID END MODULES, QUICK CHANGE CAPS, K-20-5000 PULSATION DAMPER, OTECO 3" SHEAR RELIEF VALVE, 1 1/2" X 2" CENTRIFUGAL ROD COOLING PUMP, 5" X 6" CHARGE PUMP, 6,000 PSI PRESSURE GAUGE, CHAIN DRIVE ASSEMBLY

**OPTIONAL THIRD MUD PUMP:** ONE (1) GARDNER DENVER PZ10 TRIPLEX PUMP, 1350 HP, POWERED BY CAT D399 DIESEL ENGINE

**WELL CONTROL:** 1) CIW 13 5/8 5M DOUBLE BOP, 13 5/8 Shaffer Annular CHOKE LINE- (1) 4-1/16" HOSE, KILL LINE – (1) 2 1/16" HOSE, (1) 2 1/16" GATE VALVE, (1) CHECK VALVE

**CHOKE MANIFOLD:** CAMERON TYPE 10M, W/5-WAY CROSS, (9) 3 1/16" X 10M GATE VALVES, (1) 2 1/16" 10M PSI PRESSURE GAUGE, DSI 36" ATMOSPHERIC DEGASSER, SKID MOUNTED

**ACCUMULATOR:** KOOMEY TYPE 80 (5) FIVE-STATION CLOSING UNIT, WITH (16) 11 GALLON ACCUMULATOR BOTTLES, (1) TRIPLEX PUMP, (2) AIR PUMPS WITH 120:1 RATIO

**MUD SYSTEM:** TWO (2) TANK MUD SYSTEM OF APPROXIMATELY 800 BBLs TOTAL CAPACITY

SHAKER TANK OF APPROXIMATELY 400 BBLs, (2) VORTEX FLUID SYSTEMS ORBITAL 3000 SHALE SHAKERS, DERRICK DESANDER W/(2) 12" CONES, DERRICK DESILTER W/(12) 4" CONES, DERRICK VACUFLO 500 DEGASSER, O'DRILL/MCM 15 HP MUD AGITATOR, (2) 5" x 6" SERIES 250 CENTRIFUGAL PUMPS POWERED BY A 75HP AC ELECTRIC MOTOR,

SUCTION TANK OF APPROXIMATELY 400 BBLs W/(2) 5" x 6" SERIES 250 CENTRIFUGAL PUMPS POWERED BY 75HP AC ELECTRIC MOTOR, (4) 15 HP MUD AGITATORS, VORTEX VENTURI SHEARING HOPPER, COVERED ROOF

**TRIP TANK:** 100 BBL W/(2) 50 BBL COMPARTMENTS W/2" X 3" CENTRIFUGAL PUMP

**GENERATOR/UTILITY HOUSE:** TWO (2) CATERPILLAR 350 KW AC GENERATORS, POWERED BY 475HP CAT C-15 DIESEL ENGINES W/ ELECTRIC START, AIR COMPRESSORS AND MCC PANEL

**BLOCK/HOOK:** 360 TON, 6 SHEAVE, TRAVELING BLOCK AND ONE 350 TON HOOK. 1 1/4" DRILLING LINE

**ROTARY TABLE:** CE 27 1/2" W/HYDRAULIC MOTOR

**WATER TANK:** 470 BBL COMPLETE W/(2) 3" x 2" SERIES 250 CENTRIFUGAL WATER PUMPS POWERED BY 20 HP AC ELECTRIC MOTORS

**FUEL TANK:** 12,000 GALLON W/(2) ROPER 3 HP FUEL TRANSFER PUMPS

**DRILLERS DOGHOUSE:** DSI 10' X 20'

**AUXILIARY EQUIPMENT:** TWO (2) PC12 HYDRAULIC WINCHES, (1) IR K4U AIR HOIST, VARCO SSW 30 HYDRAULIC DRILL PIPE SPINNER

**INSTRUMENTATION:** WEIGHT INDICATOR, W/TONG LINE PULL, PUMP PRESSURE & ROTARY TORQUE GAUGES, TYPE "D" 5,000 PSI MUD PRESSURE GAUGE

**WIRELINE MACHINE:** FIVE STAR RETRIEVER W/15,000' OF .092 WIRELINE

**WELL SITE TRAILERS:** ATCO RIG MANAGER TRAILER 54' X 12'6" X 11'8", CREW CHANGE HOUSE

**TUBULARS:** DRILL PIPE AND COLLARS PER CONTRACT REQUIREMENTS