

## Rig No. 8 - Inventory of Equipment



**DRAWWORKS:** CROWN ENERGY TECHNOLOGY MODEL CE 750 SD 750 HP, GROOVED FOR 1 1/8" DRILLLINE, POWERED BY 2 DETROIT SERIES 60 MOUNTED ON A 4 AXLE TRAILER.

**AUXILIARY BRAKE:** EATON MODEL WCB4-424 ASSIST BRAKE

**MAST:** CROWN ENERGY TECHNOLOGY 118 FT. 400,000 LB GUYED TELESCOPING MAST WITH FIXED BASE.

**SUBSTRUCTURE:** DSI 17'5"H, SCOPING SUBSTRUCTURE, 300,000# SET BACK CAPACITY, ROTARY BEAMS, STAIRS, SAFETY RAILING, ELEVATED ROTARY DRIVE

**TOP DRIVE:** TESCO 250 HMI TOP DRIVE AND POWER UNIT, RATED 450 HP, 250 TON.

**MUD PUMPS:** TWO (2) GARDNER DENVER PZ-11 TRIPLEX PUMPS, 1600HP, EACH POWERED BY 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

**WELL CONTROL:** CONTROL FLOW LWS 11" 5M DOUBLE RAM, HYDRILL GK 11" 5M 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:** CIW TYPE 5M CHOKE MANIFOLD WITH 2 ADJUSTABLE CHOKES

**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, O'DRILL/MCM 15 HP MUD AGITATOR, (2) 5"x 6" SERIES 250 CENTRIFUGAL PUMPS POWERED BY A 75HP AC ELECTRIC MOTOR, COVERED ROOF

SUCTION TANK OF APPROXIMATELY 400 BBLs W/(2) 6" X 8" SERIES 250 CENTRIFUGAL PUMPS POWERED BY 60HP AC ELECTRIC MOTOR, (4) SWACO 15 HP MUD AGITATORS, COVERED ROOF

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

**POWER CATWALK:** RAHCO HYDRAULIC, HANDLES DOUBLE JOINTS OF DRILL PIPE

**GENERATOR/UTILITY HOUSE:** TWO (2) CATERPILLAR 400 KW AC GENERATORS, POWERED BY 475HP CAT C-15 DIESEL ENGINES W/ ELECTRIC START, AIR COMPRESSORS AND MCC PANEL

**BLOCK/HOOK:** AMERICAN BLOCK 250 TON UNITIZED BLOCK/HOOK COMBINATION W/(5) 36" SHEAVES FOR 1 1/8" DRILL LINE

**ROTARY TABLE:** RJ PETRO RT 20-1/2" ROTARY TABLE

**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, HYDRAULIC DRILL PIPE SPINNER

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

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