

RIG No. 5 INVENTORY OF EQUIPMENT

- DRAWWORKS:** GARDNER-DENVER MODEL DW-500 DRAWWORKS. MAIN DRUM GROOVED FOR 1-1/8" DRILL LINE AND POWERED BY TWO (2) CATERPILLAR MODEL C-15 INDUSTRIAL ENGINES.
- AUXILIARY BRAKE:** PARMAC TYPE V-80 HYDROMATIC BRAKE.
- MAST:** SUPERIOR DERRICK SERVICES 136'-0" CLEAR HEIGHT, 18'-6" BASE, 600,000 lb. GNC, 428,000 lb. STATIC HOOK LOAD MAST WITH CROWN CLUSTER CONSISTING OF SIX (6) 42" Dia. SHEAVES AND ONE (1) 55" Dia. FASTLINE SHEAVE, ALL GROOVED FOR 1-1/8" WIRE LINE.
- SUBSTRUCTURE:** 15 FOOT. BOX-ON-BOX CONVENTIONAL SUBSTRUCTURE. WITH 450,000 lb ROTARY CAPACITY, 300,000 lb SET BACK CAPACITY AND 750,000 lb SIMULTANEOUS ROTARY AND SETBACK LOAD.
- TRAVELING EQUIPMENT:** IDECO MODEL UTB-265, 265 TON UNITIZED HOOK/ BLOCK COMBINATION. COMPLETE WITH FIVE (5) 36" Dia. SHEAVES.
- KING OIL TOOLS MODEL 25MB-14, 300 TON CAPACITY SWIVEL
- OWI MODEL 1500 KELLY SPINNER.
- ROTARY TABLE:** GARDNER-DENVER MODEL RT22-1/2" ROTARY TABLE CHAIN DRIVEN OFF THE DRAWWORKS ROTARY COUNTERSHAFT AND COMPLETE WITH VARCO "MSPC" SOLID BODY PIN DRIVE MASTER BUSHING AND TYPE "20-HDP" PIN DRIVE KELLEY BUSHING FOR A 5-1/4" API HEXAGONAL KELLY.
- WELL CONTROL EQUIPMENT:** ONE (1) SHAFFER TYPE "LWS" 11", 5,000 PSI DOUBLE RAM TYPE BOP.
ONE (1) TYPE "GK" 11", 5,000 PSI ANNULAR PREVENTER BOP.
ONE (1) 5 STATION KOOMEY TYPE 80 BOP CONTROL UNIT COMPLETE WITH REMOTE CONTROL PANEL.
ONE (1) 2" x 4", 5,000 PSI WP CHOKE MANIFOLD. ONE (1) 36" OD ATMOSPHERIC DEGASSER. UNITIZED ON A SINGLE OILFIELD TYPE SKID
- MUD PUMPS:** TWO (2) HONG HAU MODEL F-1000 TRIPLEX MUD PUMPS. POWERED BY A CATERPILLAR MODEL D399TA DIESEL ENGINES. SUCTIONS CHARGED BY A 6" x 5", SERIES 178 CENTRIFUGAL PUMPS AND A EMSCO STYLE DISCHARGE PULSATION DAMPENERS.
- MUD SYSTEM:** TWO (2) TANK MUD SYSTEM OF APPROXIMATELY 773 BBL TOTAL CAPACITY.
- SHAKER TANK OF APPROXIMATELY 405 BBLS WITH TWO (2) 6" x 5" SERIES 250 CENTRIFUGAL PUMPS POWERED BY A 50 HP AC ELECTRIC MOTOR. ONE (1) DERRICK 12 CONE DESILTER, ONE (1) DERRICK 2 CONE DESANDER, ONE (1) DERRICK VACU-FLO 500 DEGASSER, ONE (1) DERRICK MODEL DE-AG-7.5H, 7.5 HP HORIZONTAL MUD AGITATOR. TWO (2) DERRICK MODEL FC313 LINEAR MOTION SHALE SHAKERS
- SUCTION TANK OF APPROXIMATELY 368 BBLS WITH TWO (2) 6" x 5" SERIES 250 CENTRIFUGAL PUMPS POWERED BY A 50 HP AC ELECTRIC MOTOR. FOUR (4) DERRICK MODEL DE-AG-7.5H, 7.5 HP HORIZONTAL MUD AGITATORS. O'DRILL 6" MUD MIXING HOPPER COMPLETE WITH VENTURI.
- WATER TANK:** ONE (1) 470 bbl CAPACITY WATER TANK COMPLETE WITH TWO (2) 3" x 2" SERIES 250 CENTRIFUGAL WATER PUMPS POWERED BY 20 HP AC ELECTRIC MOTORS.
- ELECTRICAL SYSTEM:** TWO (2) 320 Kw GENERATORS POWERED BY TWO (2) CATERPILLAR MODEL C-15 DIESEL ENGINES. COMPLETE WITH SWITCHGEAR AND TRANSFORMERS.

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AUXILIARY EQUIPMENT:

ONE (1) NOV WILDCAT AUTOMATIC DRILLING SYSTEM
ONE (1) 4-PEN DRILLING RECORDER
ONE (1) RETRIEVER WIRELINE MEASURING UNIT COMPLETE WITH 15,000 Ft. OF 0.092" WIRE LINE.
TWO (2) INGERSOLL RAND MODEL FA2.5A-20XK1 AIR HOISTS COMPLETE WITH 5/8" WIRE LINE.
ONE (1) AIR POWERED CHAIN DRIVEN DRILL LINE SPOOLER.

COMPRESSED AIR SYSTEM:

ONE (1) QUINCEY MODEL "QSB-40" AIR COOLED ROTARY SCREW PACKAGED AIR COMPRESSOR UNIT DELIVERING 165 CFM AT 125 PSI AND POWERED BY A 40 HP AC ELECTRIC MOTOR AND COMPLETE WITH MODULATION CONTROLS. COMPLETE WITH A 200 Ga. AIR RECEIVER.

ONE (1) QUINCEY MODEL "QR390-20" UNITIZED BASE MOUNTED AIR COMPRESSOR DELIVERING 70 CFM AT 125 PSI AND POWERED BY A 20 HP AC ELECTRIC MOTOR.

ONE (1) 500 Ga. AIR RECEIVER MOUNTED IN THE SUBSTRUCTURE.

ONE (1) AIRTEK MODEL "ECP165" REFRIGERATED AIR DRYER.

ONE (1) AIRTEK MODEL "ECP80" REFRIGERATED AIR DRYER MOUNTED IN THE SUBSTRUCTURE.

RIG SITE STRUCTURES:

ONE (1) DRILL FLOOR HOUSE AT DRILLER'S POSITION
ONE (1) CREW CHANGE / TOOL HOUSE
ONE (1) TOOLPUSHER QUARTERS/OFFICE UNIT
ONE (1) CREW QUARTERS UNIT

DRILL STRING:

4-1/2" OD, 16.60 lb/ft, RANGE II, GRADE G-105 DRILL PIPE.
± 8" OD x 30 Ft. LONG SPIRAL DRILL COLLARS
± 6-1/4" OD x 30 Ft. LONG SLICK DRILL COLLARS.
4-1/4" SQUARE KELLY
UPPER KELLY VALVE
LOWER KELLY VALVE
BIT AND CROSS OVER SUBS FOR CONTRACTOR'S DRILL STRING

HANDLING TOOLS:

250 TON HANDLING TOOLS FOR CONTRACTOR'S DRILL PIPE AND DRILL COLLARS.