



DRILLING RIG #4 DESCRIPTION AND SPECIFICATIONS

CLASSIFICATION: National Oilwell Varco 6C

DRILLING DEPTH CAPACITY: 8,500'

RIG EQUIPMENT

Power System

One (1) Detroit Series 60 diesel engine.

DRILLING EQUIPMENT

Drawworks

Mechanical NOV Model 2042 with one (1) hydromatic brake mounted on NOV back-in carrier.

Drill Line

1 1/8" EIPS .

Derrick

112' mast rated to 300,000 lb. Capacity.

Substructure crossbase & mudboat

NOV unitized portable structure with 350,000lb. gross nominal capacity; 10' x 14' x 40'.

Mud Pumps

One (1) Gardner Denver PZ-8 Triplex mud pump powered by Caterpillar D-398 diesel engine

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Rotary

One (1) Gardner Denver 17 1/2" with split master bushings.

Crown Block

NOV 6C with four (4) sheaves

Traveling Block

Spetra; 150 Ton Capacity; 4-24" sheaves grooved for 1 1/8" wireline.

Hook

Spetra; 150 Ton Capacity; spring loaded duplex hook.

Swivel

King Oil; 15MB 150 Ton Capacity.

DRILL STRING

Drill Pipe

8,500' 4" OD, 14.40#, Grade S135, With FH connections.

Drill Collars

10 - 6" OD x 30' zipped for elevators.

Kelly

One (1) 4-1/4" x 34' Baash Ross TRU Bore square kelly.

BLOWOUT PREVENTERS AND WELL CONTROL EQUIPMENT

B.O.P. System

Ram Preventers

One (1) Shaffer LWS double ram, 11" 5,000 psi WP.

Annular Preventer

One (1) Shaffer annular 11" 3,000psi WP

B.O.P. Choke and Kill Line System

Choke Manifold

One (1) 5,000 psi WP.

MUD FACILITIES AND EQUIPMENT

Mud Mixing Pump

Two (2) 270 bbl mud tanks =540 bbl capacity powered by 3 John Deere Engines and 3 centrifugals with shaker, agitators and desander

Shale Shaker System

One (1) Model Linear shaker (2 screen).

AUXILIARY EQUIPMENT

One (1) 40KW Generator.

Vapor proof lighting system.

Kelly Float, 4 Drill Pipe Floats, 1 Mud Boat Float & 1 Mack

Winch Pole Truck., 2-300bbl water tanks

*Including all appurtenances and appliances for the operation thereof.