

Basin Drilling, LP

RIG #101

DRAWWORKS:

National 110 UE (1500HP) powered by (2) GE 752 traction motors, NOV Baylor 6032 auxiliary brake

POWER:

(4) Caterpillar 399-B engines w/ KATO 1030 KW AC synchronous generators

SCR SYSTEM:

Gulf Coast International (Ross Hill) model 1400 4 X 4 (1500HP) SCR house w/ GE evolution 9000 MCC

MAST:

Pyramid cantilever 142' w/ 1,000,000# static hookload on 12 lines

SUBSTRUCTURE:

Pyramid 30' box-on-box substructure 1,000,000# rotary table supporting capacity w/ 600,000# set back load capacity

WALKING SYSTEM:

OWI Stealthwalker multidirectional rig walking system.

PUMPS:

(2) HHF-1600 (1600HP) triplex pumps powered by (2) GE 752 traction motors w/ 7500 psi fluid ends.

MUD PITS:

(2) tank system -1000 bbl w/ 70 bbl slug pit

SOLIDS EQUIPMENT:

(3) Derrick Super-G linear shale shakers
(1) Derrick 2-cone desander
(1) Derrick 16-cone desilter
(5) mud agitators
(1) Derrick vacuum degasser
(1) 4' x 20' mud gas separator

AIR COMPRESSORS:

(1) Curtis RS50D (50HP)
(1) Quincy Q-5120E (25HP)
(1) Quincy diesel cold start unit

BOP'S:

13 3/8" x 5,000 psi Hydril GK Annular
13 3/8" x 10,000 psi SHAFER Type LWS double

ACCUMULATOR:

Koomey 8 station accumulator

CHOKE MANIFOLD:

Cameron 10,000 psi choke manifold

TOP DRIVE:

Tesco 350 Ton AC EXI (600 HP)
-Variable Frequency Drive (VFD)
-Integrated swivel
-Back torque track and bushing
-All critical pipe-handling features
-Integrated mud saver/safety valve & thread saver
-Max Drilling Torque = 30,000 ft-lb
-Max Makeup/Breakout Torque = 45,000 ft-lb
-Maximum Speed = 220 RPM

BLOCK HOOK:

500 ton becket

ROTARY TABLE:

National (27 1/2")

PIPE HANDLING:

Bloom + Voss FloorHand FH-80
NOV PipeCat laydown system

DRILL PIPE:

5" 19.50# S-135 NC-50 drill pipe

DRILL COLLARS:

8" round drill collars
6 1/2" round & spiral drill collars

AUXILIARY EQUIPMENT:

NOV MD-TOTCO EDR (base system)
Fuel Tank – 10,500 gallon capacity
Water Tank – 500 bbl capacity
Rig Manager and Crew Quarters
(2) air hoists (10,000# load capacity each)
Electronic survey unit w/ 15,000' wireline machine
Top drive Supervisor