

BASIN DRILLING, LP

RIG #102

DRAWWORKS:

Oilwell 760-E (1200HP) powered by (2) GE 752 traction motors, Parkersburg 56053 auxiliary brake

POWER:

(3) Caterpillar 399-B engines (1200HP each)
w/ Kato 1030 KW AC synchronous generators

SCR SYSTEM:

International Electric Company Systems (IPS)
3 X 4 (1500HP) SCR house w/ GE evolution 9000 MCC

MAST:

Superior Derricks 136' w/ 550,000# capacity on 10 lines

SUBSTRUCTURE:

Superior Derricks 20' box-on-box substructure
550,000# rotary table supporting capacity
350,000# pipe setback load capacity

BLOCK HOOK:

TFI 250 ton becket

PUMPS:

(2) JIG 1600 (1600HP each) triplex pumps
each independently powered by (2) GE 752 traction motors

MUD PITS:

(2) tank system -1000 bbl capacity w/ 60 bbl slug pit

SOLIDS EQUIPMENT:

(2) Derrick Super-G linear shale shakers
(1) 10" 2-cone desander
(1) 5" 10-cone desilter
(5) mud agitators
(1) Mud gas separator

AIR COMPRESSORS:

(1) Curtis RS50D (50HP)
(1) Quincy QGB-25 (25HP)
(1) Quincy diesel cold start unit

BOP'S:

11" x 5,000 psi Shaffer annular
11" x 5,000 psi Shaffer LWS double

ACCUMULATOR:

CPC 8 Station accumulator

CHOKE MANIFOLD:

10,000 psi choke manifold

TOP DRIVE:

Canrig 6027 AC Electric 600 HP
275 Ton AC Electric Drive
-Integrated swivel
-Pipe Handler
-Integrated backup leg
-Max Drilling Torque = 30,000 ft-lb
-Max Breakout Torque = 60,000 ft-lb
-Maximum Speed = 225 RPM

ROTARY TABLE:

TFI ZP-275 (27 ½")

PIPE HANDLING:

Bloom + Voss FloorHand FH-80
Canrig PC 3000 Automated Catwalk

DRILL PIPE:

4 ½" 16.60# G-105 drill pipe

DRILL COLLARS:

8" Round Drill Collars
6 ½" Spiral Drill Collars

AUXILIARY EQUIPMENT:

NOV MD-TOTCO EDR (base system)
Fuel Tank – 9,500 gallon capacity
Water Tank – 500 bbl capacity
Rig Manger and Crew Quarters
(2) air hoists (10,000# capacity each)
Electronic survey unit w/ 15,000' wire line machine
Drill pipe spinner
Top drive Supervisor