

BASIN DRILLING, LP

RIG #105

DRAWWORKS:

Skytop Brewster N-95 rated @ 1500 hp driven by
(2) GE 752 traction motors rated @ 1000 hp, NOV
Baylor 6032 auxiliary brake

POWER:

(4) Caterpillar 399-B engines w/ Kato 1030 kw
synchronous generators

SCR SYSTEM:

International Electric Company Systems 2000 hp
(4) generator bays, (4) SCR bays and GE evolution
9000 MCC

MAST:

Drillmec Cantilever 152' rated @ 1MM# Static
Hook Load (12 lines)

SUBSTRUCTURE:

Drillmec box-on-box 25' rated @ 1MM# Casing and
600k# Setback capacity

WALKING SYSTEM:

OWI Stealthwalker multidirectional rig walking
system.

PUMPS:

(2) Oilwell LPT17 triplex rated @ 1700 hp / 7500
psi, each driven by (2) GE 752 traction motors rated
@ 1000 hp

MUD PITS:

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

SOLIDS EQUIPMENT:

(3) Derrick Hyperpool shale shakers
(5) Mud Agitators
(1) 10" 2 cone Desander
(1) 5" 10 cone Desilter
(1) Atmospheric Degasser
(1) 4' x 20' Mud Gas Separator

AIR COMPRESSORS:

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

BOP'S:

13 7/8" 5M Shaffer Spherical Annular
13 7/8" 10M Cameron Type U double
13 7/8" 10M Cameron Type U single

BOP Handler:

Ingersoll Rand 40 ton handling system

ACCUMULATOR:

CPC 8 Station

CHOKE MANIFOLD:

Cameron 10M choke manifold

TOP DRIVE:

CANRIG 1250AC-681 (500 ton)
-1150 hp AC Electric Drive
-7500 psi integrated swivel
-Max Drilling Torque = 51,400 ft-lb
-Max Breakout Torque = 95,000 ft-lb
-Maximum Speed = 265 rpm
-Rockit & Revit compatible

TRAVELING BLOCK:

500 ton becket

PIPE HANDLING:

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

DRILL PIPE:

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

DRILL COLLARS:

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

AUXILIARY EQUIPMENT:

PASON EDR (base system)
Fuel Tank – 9,500 gallon capacity
(2) water tanks – 750 bbl capacity
(2) air hoists (10k# capacity each)
Electronic survey unit w/ 15,000' wire line machine
Rig Manger and Crew Quarters
Top Drive Supervisor