BASIN DRILLING, LP
RIG #103

DRAWWORKS:
Gardner Denver 1500-E (2000HP)
(2) GE 752 Standard-Torque drilling DC drilling motors, NOV Baylor 7838 auxiliary brake

POWER:
(4) Caterpillar 399-B engines (1200HP each) with Kato 1030 KW AC synchronous generators

SCR SYSTEM:
International Electric Company Systems (IPS) 4x4 (2000HP) SCR house w/ GE evolution 9000 MCC

MAST:
Superior Derricks 142' w/ 1,000,000# capacity on 12 lines

SUBSTRUCTURE:
26' Superior box-on-box substructure
1,000,000# rotary table supporting capacity
800,000# pipe setback load capacity

WALKING SYSTEM:
OWI Stealthwalker multidirectional rig walking system.

BLOCK HOOK:
National G-650 650 ton w/ becket

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

MUD PITS
(3) tank system – 1600 bbl w/ 70 bbl slug pit

SOLIDS EQUIPMENT:
(3) Derrick Hyperpool shale shakers
(1) Derrick 2-cone desander
(1) Derrick 16-cone desilter
(7) mud agitators
(1) Derrick vacuum degasser
(1) 4' x 20' mud gas separator

BOP'S:
13 ⅝ " x 5,000 psi Hydril GL Annular
13 ⅝ " x 10,000 psi Cameron Type U double
13 ⅝ " x 10,000 psi Cameron Type U single

ACCUMULATOR:
CPC 10 station accumulator

CHOKE MANIFOLD:
10,000 psi 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

ROTARY TABLE:
National (49 ½") w/ (37 ½") insert bushings

PIPE HANDLING:
NOV ST-80 Iron Roughneck
NOV PipeCat laydown system

DRILL PIPE:
5" 19.50# S-135 NC-50 drill pipe

DRILL COLLARS:
8" Round Drill Collars
6 ½" Spiral Drill Collars

AUXILIARY EQUIPMENT:
PASON EDR (base system)
Fuel Tank – 10,500 gallon capacity
Water Tank – 500 bbl capacity
Rig Manager and Crew Quarters
(2) air hoists (10,000# capacity each)
Electronic survey unit w/ 15,000' wireline machine
Drill pipe spinner
Top drive Supervisor