

PREMIUM WELL DRILLING

RIG # 16 INVENTORY

DEPTH RATING

12,500' with 4 1/2" drill pipe
*depth is determined by casing design.

POWER SYSTEM

POWER

Two (2) Caterpillar D353E engines (450 HP ea)
Two (2) National C245-80 torque converters

LIGHT PLANT

Caterpillar 3406 engine w/350KW AC generator
Caterpillar 3406 engine w/300KW AC generator

HOISTING SYSTEM

DRAWWORKS

Wilson Giant (900 HP), Wilson In line Compound
1 1/8" drill line, Parkersburg R-36 hydromatic brake

MAST

LCM, 131' w/450,000 # capacity on 8 lines

SUBSTRUCTURE

14' Box on box, 12' Clearance height
Rotary capacity 450,000# plus Set back capacity 285,000#

BLOCK HOOK

Sowa 250 ton Block/Hook combination

CIRCULATING SYSTEM

PUMPS

SLD RS-F1000 Triplex (1000 HP) powered by Cat D398 (1000 HP)
GD PZ9 Triplex (1000 HP), powered by Cat 3412 (825 HP)

5 1/2" liners supplied

MIXING MUD

One Mission 6"X 8" centrifugal pump w/60 HP
electric motor

MUD PITS

Two (2) pit system, three compartment each/500 bbl each
1000 total bbls

SOLIDS EQUIPMENT

One (1) National, single screen, three section shaker
One (1) Double cone Desander
Mud hopper and mixing house

WELL CONTROL EQUIPMENT

BOP's

11" X 3,000 psi Annular
11" X 3,000 psi Double BOP

CONTROL

Koomey Type 80, 4 -Station, 80 gal accumulator
With two (2) air pumps and one (1) electric
triplex pump

CHOKE MANIFOLD

3,000 psi choke manifold and kill line

ROTATING SYSTEM

SWIVEL

King 250 ton

KELLY

4 1/4" Square

ROTARY TABLE

National 17 1/2" split master bushing

DRILLING ASSEMBLY

DRILL PIPE

4 1/2" E 16.60# w/4 1/2"XH connections

DRILL COLLARS

6 1/4" with 4 1/2" XH connections
8" with 6 5/8" Reg. connections

AUXILIARY EQUIPMENT

Water Tank - One (1) 450 bbl capacity
Fuel Tank-10,000 gal capacity
Toolpusher & crew quarters
Satelite Apollo automatic driller
Halliburton electric wireline w/ .092" line
Geolograph 2 - pen drilling recorder
Ingersoll Rand Air hoist