

Gardner Denver 500  
GEOTHERMAL DRILLING RIG  
Capacity 9,000 Feet

DRAWWORKS

- Gardner Denver 500
- 4 Speed 750 DRD Allison Transmission, w/right angle Gear Box  
Rated @ 1000 HP.

POWER

- New 750 HP Series 60 Detroit Engine

MAST

- Lee C. Moore 126' x 12' base, 280,000# Static Hook Load,  
Category 4 - Certified January, 2012.

CROWN BLOCK

- New Lee C. Moore five (5) Sheaves

SUBSTRUCTURE

- New Dreco One Piece 12.6' W x 13.6'H X40'L
- Rotary Table Cap 280,000# set back 225,000#

ROTARY TABLE

- Gardner Denver 17 1/2"

TRAVELING BLOCK/HOOK

- McKissick 150 Ton

SWIVEL

- National P-200

## KELLY

- New 5 ¼" Hex, 5 ¼" Varco Bushing
- Upper and lower Kelly cock valves

## KELLY SPINNER

- New Kelly Spinner forward & reverse (New)

## MUD PUMP

- #1 Pump PZ-8 Triplex
- Power: 850 HP 3412E CAT Engine New
- Specs: 7"x8", 2.96 GPR @ 100%
- 0.07 BBL stk;
- Max. psi 6" liners 2717 psi
- All housed within 12'6" W x 12' 2" H x 43' L Steel Building with Lighting, Steam Heaters and Parts Storage. (See Spec Attachment)
- #2 Pump MM 550 IDECO Duplex
- Power: 3412 CAT Engine
- Specs: 7 1/4" x 15", 6.7 GPR @ 100%
- Max. psi 6" liners 1845 psi
- All housed in 12'1" W x 12' 3" H x 40' 2" L Steel Building with Lighting, Steam Heaters and Parts Storage. (See Spec Attachment)

## MUD TANK SYSTEM MI SWACO

- One (1) 550 BBL/4 Compartment Tank
- One (1) Mi Swaco Mongoose Shaker
- Model MPR 932 4 Screen 46" W x 23" H x 92" L
- Four (4) Mud Guns w/two (2) Agitators
- Two (2) 5"x 6" Gallagher Centrifugal Pumps each driven by 60 HP Motors. All housed within 12' W x 12' 2" H x 9' L Steel Building Incorporated into mud tank with lights, Steam Heat in Addition opposite end of mud tank 12' W x 12' 2" H x 4' L Storage Compartment with Shelving.

## RESERVE PIT PUMP

- Centrifugal Pump 3x4x11" imp, driven by 25 HP electric motor

## FRESH WATER TANK

- One (1) 350 BBL water tank with scissor top dog house opposite end tool room, 2 20 HP Centrifugal pumps driven by electric motor, skid mounted

## FUEL TANK

- One 10,000 gallon fuel tank with 2 Centrifugal filter system; pumps driven by electric motors, skid mounted

## GENERATOR

- Series 60 Detroit Engines 600 HP 400 KW, Marathon Generator
- Housed in 10'W x 8'11"H x 41'2"L combination building.

## BOP EQUIPMENT

## Accumulator:

- Five (5) Station 150 gallon capacity electric @ air pumps

## Choke Manifold:

- 4 1/16" 5,000 psi WP dual choke one fix, one adjustable

## Ram Preventers:

- Shaffer LWS Double Ram 11", 5,000 psi.

## Annular Preventer:

- Hydril GK 11" 3,000 psi WP

## TUBULARS:

- 9,000 - 4 1/2" OD New G105 XH

## DRILL COLLARS

- 6 1/4" XH, 8" 6 5/8" Reg

## PIPE TUBS

- Three (3) Pipe Tubs

## DRILL LINE

- 1 1/8" EIPS,

PIPE RACKS

- Two (2) Sets Pipe Racks
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HANDLING TOOLS

- Tongs
- Elevators
- Slips
- Safety Clamps

AIR COMPRESSOR

- Two (2) Quincy 370 air compressors, one electric and one mechanical

WINTERIZATION PACKAGE

- Complete wind wall enclosures
- Steam heaters

BOILER

- 125 HP Cleaver Brooks with 100 BBL holding water tank

SURVEY MACHINE

- Five Star 092 – 15,000 feet

MATTING BOARDS

- 3 - 8'X40'
- 1 - 8'X38'
- 2 - 8'X10'

AUXILLARY EQUIPMENT

- One (1) Air Hoist 4,000# new
- Two (2) Hydraulic Hoists; 4,200# each

LOADER WITH FORKLIFT

- 544 John Deere Loader

RIG MANAGERS LIVING QUARTERS/OFFICE

- One Teton 14' x 50', total electric, skid mounted

