



**Rig #117
Inventory**

Drawworks:

- 2012 SK1000 mechanical drawworks rated at 1000 HP
- (2) Caterpillar C-15 engines, EPA Tier 3 certified
- Allison 5960 Transmission

Mast:

- Service King telescoping mast, 118' x 9' wide
- Maximum hook line with 8 lines - 350,000 lbs; 10 lines - 450,000 lbs
- API 4-F certification on plate leg
- Crown blocks include 5' x 36' sheaves grooved for 1-1/8" line and (1) 36" fast line sheave

Substructure:

- New 21' high x 36' long x 10' wide with clear height under the rotary beams of 18'
- Rated maximum rotary load of 500,000 and maximum setback of 500,000

Mud Pumps:

- (2) Gardener Denver PZ-9 triplex rated 1050HP
- (2) Caterpillar C-27 engines, EPA Interm Tier 2 certified, trailer mounted
- 6" x 8" x 14" charge pumps rated 3000 PSI

Mud System:

- (1) 240 bbl, 3 compartment mud tank
- (1) 5'x 6'x 11' 50 HP mix centrifugal
- (1) 5'x 6'x 11' 50HP desilter pump with 12 cones
- (2) Fluid system single deck , 4 panel shakers
- (1) Mud cleaner with (8) desilter cones
- (1) 400 BBL capacity 6' x 10' x40' with (1) 6" x 8" centrifugal pump powered by 75HP electric motor

Rotary Table:

- Newly rebuilt Oilwell, 30-21 A, 27-1/2" rotary table
- 800,000 lbs rotary load

Generators:

- (2) New Caterpillar 350KW C-15, EPA Tier 3 Certified, trailer mounted

Traveling Blocks:

- (2) Sentry 250 ton hook/block combination
- Rated 250 tons API with (4) 36" sheaves grooved with 1-1/8" wireline

Drilling Line:

- (1) 1-1/8" x 5000' EIPS 6x19 IWRC

Swivel:

- (1) Sentry, 250 ton
- 6-5/8 reg left hand pin

Kelly Bushings:

- (1) 5-1/4" x 40' hex complete with square drive bushings
- 6-5/8 reg LH ox and 4-1/2" XH pin

Dog House & Tool House:

- (1) 10' x 20' complete with knowledge box, storage, and benches
- (1) 8' x 20' trailer mounted tool house

Instrumentation:

- (1) Totco 500,000 lbs weight indicator
- (1) Totoc drill pipe torque gauge

Tubulars:

- 10,000' premium 4-12", 16.60 lbs, grade S135 drill pipe
- (8) 6-1/4" x 31 DC with 4-1/2" x hole connections
- (8) 8" DC w 6-5/8" regular connections

Fuel Storage:

- (1) 5,000 gal fuel tank

Auxiliary Equipment:

- New survey machine with 20,000' of .108 line
- Pipe wrangler
- 20,000 lbs multifunction loader (forklift, front-loader, and Jib-boom)

Options:

Top Head:

- API VentureTech top head, 250 tons
- 100 RPM dynamic load rating, 158 tons
- Maximum torque 35,000 ft-lbs
- Maximum circulation pressure, 5,000 PSI
- Standard steam connection 4-1/2" I.F. RH
- Gooseneck vertical access plug 3" NPT

HPU:

- (1) C-18 Caterpillar engine
- Hydraulic flow rate 265 gpm
- Maximum hydraulic pressure, 110 gallons
- HPU skid 20' x 8'

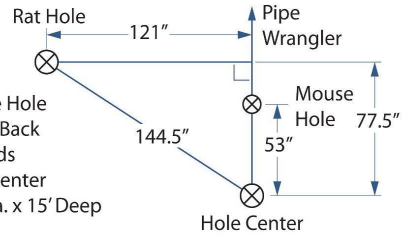


BARBOUR WELL, INC.

GEOHERMAL, OIL & GAS DRILLING

Rat Hole
Angle Back
Towards
Hole Center
6°
20" Dia. x 25' Deep

Mouse Hole
Angle Back
Towards
Hole Center
2°
20" Dia. x 15' Deep



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Edge of Sump

