



Rig No. 20

5,000 psi circulating system

Classification:

800 hp hydraulic

Generator Package:

2-Caterpillar C-15 320 KW generator sets
MCC control panel

Mast:

Telescoping mast 69' 9" fully extended
200,000 lb hoist capacity
100 fpm pullback speed
32,000 lb pulldown
200 fpm pulldown speed

Substructure:

12'5" self-elevating
30' hydraulic rotary table
Hydraulically retractable slip box

Top Drive:

Tilting top head drive
Single speed motors
Torque: 0-90 RPM @ 17,750 ft-lbs (24,066 N-m)
continuous torque
Rotation speed 0-65 RPM

Mud Pumps:

2 Gardner Denver PZ-9 pumps driven by
Caterpillar 3508's
Maximum flow rate – 1,008 GPM with 6.5'
liners

Drill Pipe:

5' od, 19.50# S-135 NC 50 Range III

Drill Collars:

As needed

Mud System:

1-300 bbl tank with mixing hopper
25 bbl slugging pit
2- Vortex linear motion orbital 3,000 shale
shakers

Control System:

Hydraulic controlled Schramm auto driller WOB,
ROP, torque function
Rotation brake for directional drilling

Load Safe Pipe Handling System:

Maximum tubular length 42'
Maximum weight capacity 5,000 lbs
Tubular diameter up to 30'
Slide travel 8'
Hydraulic pipe racks

Auxiliary Equipment:

Schramm hydraulic Iron Roughneck
Toolpusher and crew quarters
1 - 8,000 gallon diesel tank
1 - 500 bbl water tank
Pason EDR