



Rig No. 10

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