



RIG 421

1500 m/4,920 ft

Savanna Drilling

Total loads: 8 (coil and BHA only)
 Total loads winter: 9 (coil and BHA only)

The number of rig loads may vary depending on road bans, various county restrictions and non-standard rig inventory

COIL TUBING UNIT

Single 70' mast (7/8" drill line)
 Static hook load: 100,000 lbs/44 500 daN (6 lines)
 Trailer mounted substructure on 16 wheel trailer
 FDS 50T top drive with grabber box (6600 ft/lbs of torque)
 Cummins QSM 11 floor motor 350HP
 FDS 80K injector (2 7/8" or 3 1/2" tubing capability depending on rig)
 Storage reel capacity: (2 7/8"=1350 m and 3 1/2"=1200 m)
 Rotary table with 13 7/8" opening, 1600 ft/lbs torque, 44 550 daN

DOGHOUSE

Water tank volume: 1,400 ft³/40 m³/252 bbl
 Control panel for all rig functions
 Tool house and oil storage

CATWALK

Remote controlled hydraulic functions level catwalk, racks and lifts V-door
 Remote controlled hydraulic functions move pipe up and down V-door and across catwalk
 Built in pipe tub can hold 492 ft/150 m of tubulars

COMBINATION BUILDING

275 kW generator (480 v/208 v)
 2,400 gal/9000 L diesel fuel tank
 350 psi air compressor (purging coil)
 Change shack
 80 gal, 5 station, 8 bottle accumulator with PLC remote

MUD TANKS

Swaco Mongoose shaker
 3 x 2 manifold 3000 psi
 Mix pump, mixing guns in all tanks, poor boy degasser
 Trip tank volume: 134 ft³/3.8 m³/24 bbl
 Suction tank volume: 403 ft³/11.4 m³/72 bbl
 Settling tank volume: 403 ft³/11.4 m³/72 bbl
 Shaker tank volume: 532 ft³/14.8 m³/93 bbl
 Total active volume: 1,462 ft³/41.4 m³/260 bbl

MUD PUMP

F-800 triplex mud pump with 9" stroke
 3000 psi piping system with 3" discharge
 Detroit Diesel engine: Series 2000 or Series 60
 150 psi air compressor, tool board and parts cabinet

FLARE TANK

283 ft³/8 m³/50 bbl tank
 Storage on front and back of trailer
 164 ft/50 m each of 3" flare line and 6" degasser line

WINTERIZATION

80 hp boiler
 1,900 gal/7000 L diesel fuel tank
 Steam lines and pre-fabs for rig

TUBULARS

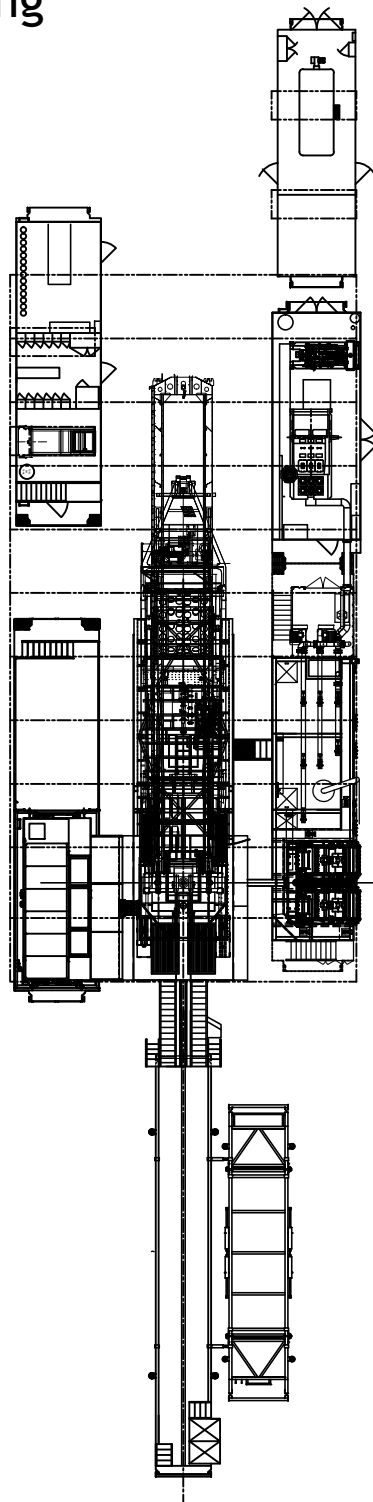
Each rig typically carries 8 x 4 3/4" drill collars and 15 x 3 1/2" drill pipe
 Rigs can carry up to 3,900 ft/1200 m of range II 3 1/2" drill pipe in hydraulic pipe tubs or on pipe racks
 Specific rig inventory available upon request

RIG MANAGER SHACK

42' shack with parts storage and crew bathroom

WELL CONTROL

3000 psi class 3 BOP
 Size of BOP depends on specific rig inventory



AFE # _____

△	02/16/11	UPDATED TITLEBLOCK	CAA		
REV#	DATE	DESCRIPTION	REV'D BY	CHK'D BY	AUTH'D BY

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SCALE:	TITLE: Rig Layout (1500m/4920ft)				
1/8" = 1'-0"	DRAWN BY: NLW	CHK'D BY:	DATE: 02/09/09		AUTH'D BY:
TITLEBLOCK:	CLIENT: DRILLING	RIG: 421	REV # 1		
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