



RIG 311

1200 m/4,000 ft

Savanna Drilling

RIG

Warrior Single 63 ft/19 m Mast
 Static Hook Load: 120,000 lbs/48 000daN (6 lines)
 Warrior Trailer Mounted Substructure
 Warrior 60T Top Drive: 15,000 ft/lbs torque
 17-1/2" Table opening
 Iron Roughneck with 7" opening: 28,000 ft/lbs torque
 Caterpillar C13 Floor Motor (425 hp/317 kW)
 Haglunds CA100 Drawworks
 Back Saver Slip Assembly
 Mud Saver Valve on Top Drive
 Survey Winch
 Core Retrieval Winch

DOGHOUSE

Water Tank Volume: 1413 ft³/40 m³/252 bbl
 Toolhouse and Oil Storage
 Junk Room Storage

COMBINATION BUILDING

175 kW Newage Generator (480 v/208 v)
 66 Gallon 4 Station Accumulator
 Change Shack
 Fuel Tank Volume: 268 ft³/7.6 m³/48 bbl

CATWALK

Height: 9' 2"/2.8m (Ground to Top of Building)
 Tri Axle Step Deck Trailer
 Storage on Trailer Gooseneck

MUD TANKS

Derrick Super G Shaker
 3 x 2 Manifold 3000 psi
 2 Mix Pumps
 Trip Tank Volume: 189 ft³/5.35 m³/34 bbl
 Suction Tank Volume: 726 ft³/20.56 m³/129 bbl
 Settling #1 Tank Volume: 275 ft³/7.79 m³/49 bbl
 Settling #2 Tank Volume: 255 ft³/7.22 m³/45 bbl
 Shaker Tank Volume: 497 ft³/14.07 m³/88 bbl
 Total Volume: 1942 ft³/54.99 m³/346 bbl

MUD PUMP (Triplex)

Sinocan CSF 500 Triplex Mud Pump
 Caterpillar C15 Engine (600 hp/448 kW)
 150 psi Air Compressor
 Day Tank

FLARE TANK

282 ft³/8 m³/50 bbl Tank
 Storage on Front and Back of Trailer

WELL CONTROL

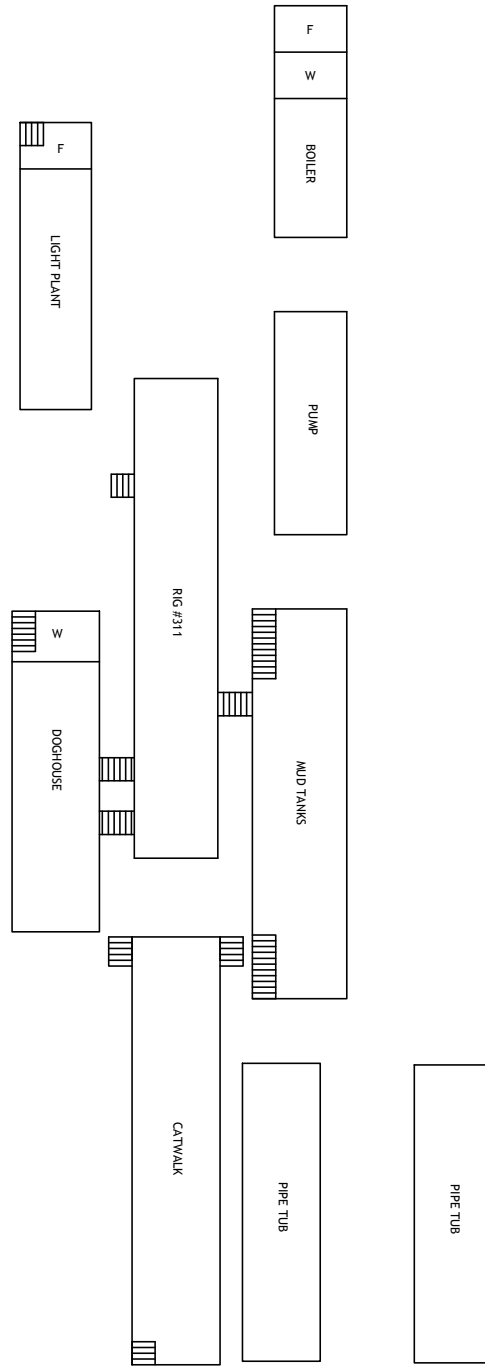
BOP's 228.6 mm (9") x 21,000 kPa (3000 psi) Class 3

WINTERIZATION

Saskatoon Boiler (60 hp)
 Fuel Tank Volume: 225 ft³/6.37 m³/40 bbl
 Water Tank Volume: 512 ft³/14.5 m³/91 bbl
 Storage on Trailer Gooseneck

TUBULARS

1000 m x 3 1/2" Range II Drill Pipe
 10 x 4 3/4" Drill Collar



AFE # _____

| REV# | DATE | DESCRIPTION | REV'D BY | CHK'D BY | AUTH'D BY |
|----------|------|--------------------|----------|----------|-----------|
| 02/14/11 | | UPDATED TITLEBLOCK | CAA | | |

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|---------------------|------------------------------------|
| SCALE: 1/8" = 1'-0" | TITLE: Rig Layout (1200 m/4000 ft) |
| DRAWN BY: EPB | CHK'D BY: |
| TITLEBLOCK: | AUTH'D BY: |
| CLIENT: DRILLING | RIG: 311 |
| DWG #: | DATE: 03/31/09 |
| | SV101L311LD |
| | REV # 1 |