



Rig #19 Specifications

<u>Drilling Range:</u>	25,500 with 5" Drill pipe.
<u>Drawworks:</u>	American Block 1500 Drawworks With (1) – Joliet 1,500 HP AC Drive Motor.
<u>Mast:</u>	NOV 142' High Free Standing, Rated at 750,000# Static Hook Capacity.
<u>Substructure:</u>	NOV Slingshot 28' High With 750,000# Casing and 500,000# Setback With an NOV Steel Toe 1200 Walking system.
<u>Mud Pump #1:</u>	F-1600 Triplex, 7"x 12", 1,600 HP, With 7,500# Manifold Rating, Driven by (1)-1,500 HP AC Drive Motor, Charged by (1)-5x6 Centrifugal Pump.
<u>Mud Pump #2:</u>	F-1600 Triplex, 7"x 12", 1,600 HP, With 7,500# Manifold Rating, Driven by (1)-1,500 HP AC Drive Motor, Charged by (1)-5x6 Centrifugal Pump.
<u>Mud Pump #3:</u>	F-1600 Triplex, 7"x 12", 1,600 HP, With 7,500# Manifold Rating, Driven by (1)-1,500 HP AC Drive Motor, Charged by (1)-5x6 Centrifugal Pump.
<u>Rotary Table:</u>	NOV 37 1/2" Hydraulic drive.
<u>Automatic Catwalk</u>	NOV PC-5-47 PipeCat.
<u>Floorhand</u>	NOV ST-100 Hydraulic Iron Roughneck.
<u>Traveling Assembly:</u>	NOV 6 Sheave 500 ton.
<u>Top Drive</u>	NOV TDS-11SA 500 Ton Rated w/7,500 psi mud path.
<u>Generators:</u>	(4)-Caterpillar 3512 DITA Series "B" (1,476 BHP Each) Diesel Engines Driving (4)-Kato 1,400 KW Generators.
<u>A.C. /VFD House:</u>	IDE 4X5 VFD Power System with Auto Drill, WOB, Rate of Penetration and Pressure Control, Crown and Floor Block position, Bridge and Overpull Protection With a Drillers Cabin.
<u>Mud System:</u>	(2)-Pit System, 1,000 Total Barrels, With Trip, Shaker, Volume, Mud Cleaning, Suction and Pill Mixing Compartments, (4) Mud Agitators, Submerged Guns, (2)-5x6 Centrifugal Pumps and (3) Mi Swaco Mongoose Pro Flow Line Cleaners and (1) 220 Barrel Pre-Mix
<u>B.O.P.E.:</u>	13-5/8" 5,000# Annular, 13-5/8" 10,000# Double Ram and Single Ram, 10,000# Choke Manifold. 240 Gallon Accumulator With a Poor Boy Gas Buster and (1)-NOV BOP Transporter.
<u>Water / Fuel Storage:</u>	900 BBLs /17,600 Gallons
<u>Auxiliary Equipment:</u>	Wireline Unit (.092"), (2)-Air compressors, Lower Doghouses, Toolpusher Trailer.