



Rig #18 Specifications

<u>Drilling Range:</u>	23,000' With 5" Drill Pipe.
<u>Drawworks:</u>	American Block 1500 Drawworks Powered by (1) – Joliet 1,500 HP AC Drive Motor.
<u>Mast:</u>	IDE 142' Free Standing Vertically Telescoping Mast Rated at 750,000# Static Hook Load With 10 Lines.
<u>Substructure:</u>	IDE 26' High Slingshot Substructure With 750,000# Casing & 450,000# Setback With an IDE Walking system.
<u>Mud Pump #1:</u>	American K-1600 Triplex, 10"x 6-3/4", 1,500 HP, With 7,500# Manifold Rating, Driven by (1)-1500 HP Joliet HTM1500 AC Drive Motor, Charged by (1)-5x6 Centrifugal Pump.
<u>Mud Pump #2:</u>	American K-1600 Triplex, 10"x 6-3/4", 1,500 HP, With 7,500# Manifold Rating, Driven by (1)-1500 HP Joliet HTM1500 AC Drive Motor, Charged by (1)-5x6 Centrifugal Pump.
<u>Mud Pump #3:</u>	American K-1600 Triplex, 10"x 6-3/4", 1,500 HP, With 7,500# Manifold Rating, Driven by (1)-1500 HP Joliet HTM1500 AC Drive Motor, Charged by (1)-5x6 Centrifugal Pump.
<u>Rotary Table:</u>	American Block 37-1/2".
<u>Automatic Catwalk</u>	Canrig Powercat Model 3000 Automatic Catwalk System.
<u>Floorhand</u>	Blohm + Voss Oil Tools Floorhand Wrench & Spinner Combination.
<u>Traveling Assembly:</u>	American Block, 400 Ton.
<u>Top Drive:</u>	Canrig Model 1250 AC-681-500 Ton Top Drive Drilling System.
<u>Generators:</u>	(4)-MTU,12V-4000 (1,482 HP Each) Diesel Engines, driving (4)-Hyundai 1,100 KW Generators.
<u>AC/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>B.O.P.E.</u>	TFI 13-5/8", 5,000# Annular, Cameron 13-5/8", 10,000# Double Ram, Cameron 13-5/8", 10,000# Single Ram, 300 Gallon Accumulator and 10,000# Choke Manifold With a Poor Boy Gas Buster, (1)-BOP Transporter.
<u>Mud System:</u>	(2)-Pit System, 1,000 Barrels, with Shaker, Volume, Mud Cleaning, Suction and Pill Mixing Compartments, (5)-Mud Agitators, (2)- 5X6 Centrifugal Pumps, (3)-Brandt Cobra Flow Line Cleaners and (1)-220 Barrel Pre-Mix.
<u>Water/Fuel Storage:</u>	500 BBLs./12,750 Gallons.
<u>Auxiliary Equipment:</u>	(2)-Hydraulic Winches, Crew Change, Toolpusher Trailer.