



CATOOSA TEST FACILITY **918-356-4600**
PO BOX 159, 360513 E 5500 RD., JENNINGS, OK 74038

Rig M-37
Programmable AC Electric 1000 HP SmartRig

DRAWWORKS: SJ Petroleum Machinery Co. JC40DB AC Electric Drawworks with an input rating of 1000 HP and 550,000 lbs hoisting capacity with 10 lines driven by two (2) 800 HP AC motors. AC motors provide regenerative braking and the caliper disc brakes provide parking and emergency stop.

POWER GENERATION: Three (3) Caterpillar 3512C engines rated a 1,476 horsepower, each driving one (1) Kato 1365 KW generator, for a total of 4,428 HP. ABB ACS 800 MultiDrive System.

MAST: Loadmaster / SJ Petro BE550 142 ft telescoping mast. Maximum rated Static hook load of 550,000 lbs on ten lines.

SUBSTRUCTURE: Loadmaster / SJ Petro hydraulically raised substructure with 22 ft floor Height and 17.5 ft clear height under the rotary beams. Maximum rate Casing load of 550,000 lbs simultaneous with 300,000 setback load.

MUD PUMPS: Two (2) HHF-1600 triplex mud pumps rated at 1600 HP. Each powered by one (1) 1500 HP AC Motor.

SOLIDS CONTROL: Two (2) MI Swaco Mongoose shale shakers.
One (1) Vortex Orbital 3000 quad screen shaker.
Two (2) MI Swaco 518 HV Centrifuges.

WATER STORAGE: One (1) 500 bbl water tank.

FUEL STORAGE: One (1) 10,000 gallon double wall diesel tank

TRAVELING BLOCK: Traveling block rated at 275 tons.

TOP DRIVE/SWIVEL: Canrig 6027 AC, 275 ton Top Drive system powered by a single 600 HP AC motor. Continuous torque rating of 30,000 ft-lbs at 105 rpm.

ROTARY TABLE: SJ Petroleum Machinery 27-1/2" rotary table driven by a hydraulic motor.

ACCUMULATOR: Consolidated pressure control seven (7) station, E-series style, API 16D BOP controls system with 16 x 11 gallon accumulator bottles.

BLOWOUT PREVENTERS: Annular: Hydril GK 13-5/8", 5,000 psi
Choke Manifold: 4-1/16" x 3-1/16" 10,000 psi

ADDITIONAL EQUIPMENT: Varco ST-80 Iron Roughneck
CCTV/Intercom System
20 Ton BOP Handling System
Canrig Automated Catwalk
Rotating Mousehole