

3000 HP Land Rig

RIG INVENTORY AND SPECIFICATIONS

1. MAST AND SUBSTRUCTURE

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
Mast	Pyramid 152' cantilever, 152' clear height x 30' base at floor. API static hook load of 1,600,000 lbs w/ 14 lines strung.	1
Substructure	Pyramid box-on-box, with a 30' floor height and 24' clear height under the rotary beams. Substructure is designed for a 1,600,000 lb casing load simultaneous with a setback load of 800,000 lbs.	1
Tuggers	IR Force 5 manrider	1
	Model number FA2A-GMR-MMK1, 2500#	
	IR Force 5 air winch	1
	Model number FA2-5A-LXK1, 5000#	
	IR Force 5 manrider	1
	Model number FA5AMR-LMK1G, 6250#	

2. DRAWWORKS AND ACCESSORIES

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
Drawworks	Gardner-Denver 3000E, with an input rating of 3000 horsepower driven by 3 GE 752 1000HP electric motors. Drum is lebus grooved for a 1-5/8" drilling line.	1
Catheads	Foster	2
Auxiliary Braking System	Baylor 7838 Elmagco brake	1

3. ROTARY AND TRAVELING EQUIPMENT

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
Traveling Block/Hook	National 650 ton hook/block combination	1

Swivel	National P-650, rated at 650 tons	1
Rotary Table	Gardner Denver 37 ½", driven independently by 2-speed transmission and GE 752 1000 horsepower DC motor.	1

4. RIG POWER AND MOVING SYSTEM

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
Engines	Caterpillar D-3512B engines rated at 1476 HP @ 1200 rpm each	4
Generators	1050 KW generators with an IPS Model 2200, Shunt 5 Bay SCR system	4

5. MUD SYSTEM

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
Main Mud Pumps	National 12-P-160 triplex rated at 1600 horsepower, each driven by two GE 752 1000 horsepower motors.	3
Mix Pump	5" x 6" centrifugal driven by one 60 horsepower motor.	1
Shale Shaker	Model 48, Derrick Flow Line Cleaners linear motion shale shakers	3

Desilter	12-4" cone, 800 gpm capacity desilter	1
Desander/Mud Cleaner	2-12" cone, 1000 gpm capacity desander	1
Agitators	7.5 HP mud agitators.	4
Pits	1635-barrel system with a 65-barrel slugging compartment in the suction tank. Mud system is equipped with clean out gates.	3 tanks
Tanks	Water storage, 527 bbls	2
	Fuel tank, 16,000 gal.	1

6. HANDLING TOOLS

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
Iron Roughneck	Varco IR 2000	1

7. BOP EQUIPMENT

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
Accumulator	Shaffer, 230 gallon, seven station, with an electric powered triplex pump, two air operated pumps, regulating valves and seven station remote control.	1

8. INSTRUMENTATION

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
Automatic Driller	Bear	1
Drilling recorder	Totco 4 pen	1

9. RIG AIR

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
Air compressor	Quincy model number QSI235, 150# WP	2
Air Dryer	Sullair SAR-630	1

10. AUXILIARIES

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
Boiler	York-Shipley, Inc. Model number SPHV-150-N2, 150# WP	2