

RIG 10 SPECIFICATIONS



HOISTING & ROTATING EQUIPMENT	
Drawworks	National 1320UE rated @ 2,000 HP driven by (2) GE 752 DC traction Motors rated @ 1,000hp
Auxiliary Brake	Baylor Elmagco Model 7838
Catworks	National Make-up & Break-out Catheads
Rotary Table	National C-275, 27-1/2", Independent Drive
Top Drive	Varco TDS-9S (400 Ton) rated @ 700hp powered by Omron VFD
Traveling Block	Oil Works A-500, 500 Ton Block
Swivel	National P-500, 500 Ton
Pipe Handling	OPI Pipe Spinner Hawkjaw Jr. Hydraulic Torque Wrench/Pipe Spinner – Optional

MAST & SUBSTRUCTURE	
Mast Design	Lee C. Moore
Height	142'
Capacity	1.00MM Static Hook Load (12 Lines)
Substructure Design	Lee C. Moore Cantilever Style
Floor Height	25'
Rotary Clearance	21'
Capacities	800k Casing / 500k Setback

TRANSPORT	
Estimated Loads	42 (less tubulars)

POWER PACKAGE	
Engines	(3) Cat 3512C rated @ 1,476 bhp
Generators	(3) Kato 6P6-3300 rated @ 1,365 kW / 0.7 pf / 1,950 kVA
SCR System	Ross Hill, Model 1650 w/(4) Generator bays, (4) SCR bays & GE 770 Line Motor Control Center

MUD SYSTEM	
Mud Pumps	(2) National 10P-130 Triplex rated @ 1,300hp, each driven by (2) GE 752 tractions motors each rated @ 1,000hp
Charging Pumps	6x5 @ 75hp / 1200 rpm
Shale Tank	500 bbl., three compartment w/ (2) 10hp agitators
Intermediate Tank	610 bbl. three-compartment w/(3) 10 HP agitators
Suction Tank	500 bbl. w/(3) 10hp mud agitators
Mud Trip Tank	142 bbl. one-compartment W / (2) 4x3, 20hp pumps
Shale Shaker	(2) Brandt King Cobra liner-motion
Degasser	NOV Atmospheric , DG-ATM Series
Degasser Pump	10 HP Pump
Desander	Brandt 2-Cone, 12"
Desander Pump	6x5, 75hp / 1200 rpm
Desilter	Brandt 16-Cone, 4"
Desilter Pump	6x5, 75hp / 1200rpm
Mud Mixing Pumps	(2) 6x5, 100hp / 1200 rpm
Mud House	Mud House with mud hopper

WELL CONTROL EQUIPMENT	
Annular	Cameron Type D, 13-5/8", 5,000 PSI
Single Ram	Cameron Type U, 13-5/8", 10,000 PSI
Double Ram	Cameron Type U, 13-5/8", 10,000 PSI
Drilling Spool	13-5/8", 10,000 PSI w/(2) 4-1/16" Flanged Side Outlets
Accumulator	National Model BD 7-Station / 200 gallons
Choke Manifold	Cameron 4-1/16" 10,000 PSI

TUBULARS	
Drill Pipe	16,500' 5", 19.50#, S-135 w/TK-34 IPC & Hard Banding
Drill Collars	(11) 8" Slick (17) 6-3/4" Slick

STORAGE CAPACITIES	
Drilling Water	450 bbl. w/(2) 4x3, 30hp Pumps 575 bbl.
Fuel - Diesel	21,0000 gallons w/ (2) 1" 3hp Pumps