

RIG #6E

1. 28 loads to move rig
2. Fuel consumption – 2350 L/day
3. 2 – QSK 23 L Cummins Driving 2 – 1.2 meg Marathon Generators and 1 – Series 60 Generator
4. 185” clear height
5. 319 joints drill pipe
6. 24 – 162 mm 5H connectors
7. Depth Rating – 4000 m (with 4 ½” pipe, setting 7” casing)

RIG #6E EQUIPMENT LIST

Item	Description
DEPTH RATING	- 4000 metres
DRAWWORKS	- Dresco 750 UE with Electric Baylor Brake and 42" water-cooled double calliper brakes in conjunction with standard Dresco 750 UE Brakes
a) POWER	- GE Model 752 1000 horsepower DC traction motor with cooling motor
b) TRANSMISSION	- 2-speed transmission
c) RATED PULLING CAPACITY	- 10 lines - Low 181.2mT (399,080 lbs) - High 85.77mT (188,910 lbs)
MUD PUMPS	- (2) 1000 HP DC traction motors with cooling motors - #1 Steelcraft 1100 HP Triplex (National P-130 Clone) - #2 Steelcraft 1100 HP Triplex (National P-130 Clone)
SUBSTRUCTURE	- Dresco 18' slingshot substructure complete with rotary beams - V door ramp, safety rails. Hydraulic power unit powered by 40 HP electric motor Rotary table support – 300,000# Pipe set back capacity – 200,000#
MAST	- Dresco 131'h x 15'w Cantilever Mast 321,000# (10 lines) 300,000# (8 lines) Static Hook Load, Pin-Type, Crown Block w/(5) 36" Sheaves, 42" Fast line Sheave, 1 1/8" Line, 4 1/2" Standpipe, Crown Safety Platform, Racking Board, Tong Counterweights, Deadline Anchor, Ladder, Derrick Climber, Boom, Mast Stand, Standpipe Manifold
ROTATING EQUIPMENT	- Oilwell A20 1/2" rotary table with split master bushings - Oilwell PC225 225-Ton Swivel - 5 1/4" x 40' L Hex Kelly - Varco HP Kelly Drive Bushing, Square Drive
TRAVELLING BLOCKS	- CONTINENTAL EMSCO RA36-S 250 Ton Block/Hook Combination with (5) 36" Sheaves, 1 1/8" Line, Unitized with WEB WILSON 250 Ton Hydra Hook
FUEL TANK	- 37.3 cubic metres – 37,300 litres or 8,200 gallons

Item	Description
WATER TANK	<ul style="list-style-type: none"> - 47.7 cubic metres – 300 bbls capacity c/w two Mission 2” x 3” centrifugal water pumps
POWERSOURCE	<ul style="list-style-type: none"> - 2 – QSK 23 L Cummins Driving 2 – 1.2 meg Marathon Generators - 1 – 60 Series Detroit powering a Stamford 600 V generator for cold start or extra power
SCR UNIT	<ul style="list-style-type: none"> - Siemens Model 6RA70 - SCR Drives – Simoreg
MUD TANK	<ul style="list-style-type: none"> - Tow tank mud system, total capacity 155 m3 (140.7 m3 working capacity) Suction Tank – One three-compartment 73.5 m3 capacity with 4.8 m3 pill tank and mixing room Shaker Tank – 67.0 m3 five compartment including 7.9 m3 trip tank and solids control room - Mud tanks are equipped with all necessary plumbing, subsurface mud guns, easy cleanout gates, walks, handrails and mud mix hopper – bean style - Four Brandt mud agitators - 2/Swaco Linear Shale Shaker - Three mission 5 x 6 centrifugal pumps driven by 60 HP electric motors, each pump can run, mixer desilter, subsurface guns and hole fill - 2 – 2 x 3 centrifugal pumps at 20 HP - Poorboy degasser 4” inlet, 8” outlet
BLOWOUT EQUIPMENT	<ul style="list-style-type: none"> - Koomey 6 station accumulator with 12 – 11 gallon separator type accumulator bottles with 6 station remote control, triplex hydraulic pump driven by 10 HP electric motor, 3 nitrogen bottles hooked on line - One 279.4 (11”) SHAFCO Annular bag preventer, 34,500 kpa w.p. –5,000 psi - One HYDRIL Type “V” 279.4 (11”) double gate BOP with 4 ½” pipe rams and blind rams - One HYDRIL Type “V” 279.4 (11”) single gate BOP with 4 ½” pipe rams - One 254 x 254 mm Spool with two 76mm outlets NACE 5,000 psi - Quality flanged HCR gate valve 3 ½” 34,500 kpa or 5,000 psi WKM 3 ½” 5,000# manual gate valve - KILL LINE: 2 – 2 1/16” 5,000# WKM gate valves 1 – 2 1/16” 5,000# Crown check valve

Item	Description
CHOKE MANIFOLD	<ul style="list-style-type: none"> - Consists of (8) Gulfco Industries 3 1/16" 70,000 kpa or 10,000 psi gate valves, (6) WKM 3 1/16" 70,000 kpa or 10,000 psi gate valves, 2 Lynn 2 1/16" 70,000 kpa or 10,000 psi gate valves – No chokes - All H₂S certified
BOILER	<ul style="list-style-type: none"> - CLEAVER BROOKS Model CB-200-100 packaged boiler 150 psi maximum pressure skid mounted in a self contained insulated building c/w water storage and fuel storage compartments.
DRILL STRING	<ul style="list-style-type: none"> - 405 Joints 4 1/2" XH Grade E 1660# Range 2
DRILL COLLARS	<ul style="list-style-type: none"> - 24 – 162 mm 5H90 - 2 – 228 mm (9") O.D. x 76 mm (3") x 9 meter average with 7" H-90 connection
DOGHOUSE	<ul style="list-style-type: none"> - Sub mounted c/w landing, dog house, change house, 2 electric heaters, 16 lockers, bench with storage, knowledge box - Bell Automatic Driller - PASON electronic drilling recorder - MAYCO 6 station electric accumulator control - TOTCO single survey 8 degree
AUXILLARY EQUIPMENT	<ul style="list-style-type: none"> - 2 Pullmaster PL8 Hydraulic winches - INTERNATIONAL air driven Kelly spinner (reversible) SPINNER HAWK 4 1/2" - 6" air driven pipe spinner. - Electric over Hydraulic wireline unit c/w 3,000 m of .092 wire 5'w x 52'1 Single Section Catwalk w/ Steel Deck.
AIR COMPRESSORS	<ul style="list-style-type: none"> - (2) Gardner-Denver EJBRGA Rotary Air Compressors, each powered by Baldor 30 HP Electric Motors with Air Receiver Tank
<p>STEELCRAFT 1100</p>	

Triplex Mud Pump

Date1997
 Input HP1100
 S.P.M.110
 Stroke12" or 305 mm
 Serial No3.97.001
 Model Equivalent to National 10 P-130

LINER SIZE	4 ½"	5"	5 ½"	6"	6 ¼"	6 ½"
L.P.M.	1060	1274	1541	1835	1990	2153
G.P.M.	280	336	407	484	526	568
K.P.A	34,500	34,500	32,050	26,910	24,805	22,942
P.S.I.	5000	5000	4645	3900	3595	3325

AT RATED SPEED AND H.P.

MOUSEHOLE/RAT HOLE MEASUREMENTS

