



BASIC DESCRIPTION OF LAND WORKOVER RIG CARDWELL-8

No.	Equipment	Description, Make, Type and Characteristic			
VEHICLE					
1	CARRIER	"CARDWELL" - type KB 150/ 180			
2	ENGINE	"General Motors" , type 8 V - 71, power 235 KW (320 HP)			
3	TRANSMISSION	"ALISON" - type CLT 754			
4	DIMENSIONS & WEIGHT	length=18,00 m	width= 2,65 m	height= 4,25	weight = 36,5 t
RIG		Year of manufacture/upgrade : 1973. / 2016 General overhaul			
1	MAST	"CARDWELL", type 180-96, total height 29.3 m; max capacity 102 t -repair			
2	TUBING RACKING BOARD	adjustable w/capacity 4,000 m 2 7/8" tubing, 3.500 m DP 2 7/8"			
3	TUBING POWER TONGS	"Hillman Kelly", type 3700/4600, for tubing OD 1,9"- 3 1/2"			
4	TUBING ELEVATOR	"Varco +BJ", type TA, for tubing 2 3/8"EU/NU, 2 7/8" EU/NU & 3 1/2" EU/NU, capacity 100t			
5	MANUAL TONGS	"Varco", type HT 14, for tubing to 3 1/2"			
6	SUCKER ROD RACKING BOARD	w/capacity 2,400 m of 1 1/8" sucker rods			
7	ROD ELEVATORS	INA -Croatia for 5/8" - 1"			
8	ROD TONGS	"Hillman Kelly", type 500-C, for sucker rod 5/8"-1"			
9	SUCKER ROD BOP&SUCKER ROD STRIPPER	Adjustable			
10	WORKING PLATFORM	length= 3,40 m x width= 2,00 m and adjustable height 0.60 -2.50 m			
11	SUBSTRUCTURE	Cardwell; length = 4,64 m x width=2,08 and adjustable height 2,54 - 3,83 m			
12	UNDERCARRIGE	Rotary; length=14,0 m , width= 5,45 m (2 pcs.), height= 1,5 m; third pcs. 7,40 x 2,30 x 1,50 m			
13	SLIPWAY	Crosco; length= 14,0 m, width= 3,10 m, height= 1,5 -0,0 m (2 pcs.)			
14	CROWN BLOCK	Cardwell type w/API Rated capacity 102 t			
15	TRAVELLING BLOCK & HOOK	McKissick, type RW 663 API 8A 30 ; capacity 102 t; & Hook Web Wilson capacity 102 t			
16	SERVICE WINCH	Rapid, HV-30/10 w/capacity 3 t			
17	DRAWWORKS ASSEMBLY	Cardwell K 150 A, sandline drum Drilling line 1" and sandline 9/16"			
18	LINKS	Varco, size 1 3/4" x 96" w/capacity 100 t			
19	ELEVATORS	BJ 3 1/2" - 2 7/8" IF & 2 3/8" - 2 7/8" EU			
20	AIR OPERATED POWER SLIPS	"Cavins", type TC-101 HD, for tubing 1,9" - 3 1/2" capacity 114 t			
21	SWIVEL	N/A			
22	POWER SWIVEL	N/A			
23	RAM TYPE PREVENTER	Shaffer type LWS 7 1/16" max. pressure 3.000 PSI - double			
24	RAMS	Shaffer type LWS 7 1/16"; 2 7/8" and 3 1/2"			
25	ANNULAR TYPE PREVENTER	Hydril , type GK 7 1/16" max. pressure 3000 PSI			
26	BOP CONTROL UNIT	NL Shaffer, type D 05040 - 3 S, 10 bootles 6 Koomey, type CWA 030-11 SB			
27	COMPRESSOR	"TRUDBENIK", model NF 2010, capacity bootles 460 lit.			
28	WELL SERVICE PUMP	Gardner Denver, model TEED 4" x 5"; up to 500 m3/ min / HT 400 - 320 hp, 4" pistons 1.2 m3 / min			
29	WELL PUMP ENGINE	Caterpillar, model CAT - 3056 E			
30	PRESSURE LINE	"Halliburton" valves size 2", 2 1/2"& 3" pressure 10 000psi, height pressure lines, elbows & hoses 2", height pressure lines of tubing 2 3/8"			
31	CHOKE	Adjustable			
32	WEIGHT INDICATOR	Martin Decker, Rated 70,000 kPa			
33	AC POWER GENERATOR	Olympia, model GEP 150, max power 135 kVA			
34	AC POWER ENGINE	Perkins, model C 660			
35	RESERVOIRS SYSTEM	4 x 35 m3 Intake tanks, 6 x 20 m3 return tanks, 9 m3 trip tank			
36	RIG CAMP	w/ air -condition & water supply & toilette & other facilities separately for Hoist Supervisor			
37	RIG PERSONNEL	Rig manager, Toolpusher, Driller, Assistant Driller, Derrickman, Floorman, Rig mechanic			