



DESCRIPTION OF LAND WORKOVER RIG NATIONAL-3

No.	Equipment	Description, Make, Type and Characteristic			
VEHICLE					
1	CARRIER	Armco-National 4224 - DD			
2	ENGINE	Catterpillar C-9 350 HP			
3	TRANSMISSION	CAT CX31-P600			
4	DIMENSIONS & WEIGHT	length=17.5 m	width= 2.70 m	height= 4.20 m	weight=38,65 t
RIG		Year of manufacture/upgrade : 1985. / General overhaul 2003.			
1	MAST	National 96/150, total height 29.3 m; max capacity 102,15 t			
2	TUBING RACKING BOARD	capacity; tubing 2 7/8"= 3000 m, tubing 2 3/8"= 3500 m			
3	TUBING POWER TONGS	Oil country TBG power tong 4500 tbg range 2-3/8" - 4-1/2" max torq - 8500 lbs/ft			
4	TUBING ELEVATOR	NOV: 1,9" - 4-1/2" EU, NU, IF			
5	MANUAL TONGS	N/A			
6	SUCKER ROD RACKING BOARD	N/A			
7	ROD ELEVATORS	"INA"-Croatia, for sucker rod size 5/8" - 1"			
8	ROD TONGS	"Hillman Kelly", type 500 C, for sucker rod size 5/8" - 1"			
9	SUCKER ROD BOP&SUCKER ROD STRIPPER	"Hydril", type GKS , size 2 1/2", pressure 3.000 psi-a			
10	WORKING PLATFORM	length= 3.58 m x width=2.07 m and adjustable height 1.06 - 2,70 m			
11	SUBSTRUCTURE	N/A			
12	CROWN BLOCK	"ARMCO"- National, w/API capacity 102,15 t			
13	TRAVELLING BLOCK & HOOK	McKissick 659-2,4 ; capacity 100 t			
14	SERVICE WINCH	Koenig, HV-12 w/capacity 2,6 t			
15	DRAWWORKS ASSEMBLY	Drilling line 1" and sandline 9/16"			
16	LINKS	Varco, size 1 3/4" x 96" w/capacity 100 t - for each one pcs.			
17	ELEVATORS	YES			
18	AIR OPERATED POWER SLIPS	"Cavins", type TC-101 HD, for tubing 1,9" - 4 1/2", capacity 125 t			
19	SWIVEL	N/A			
20	POWER SWIVEL	N/A			
21	RAM TYPE PREVENTER	"Shaffer", type double LWS, size 7 1/16", max pressure 5.000 psi-a, double			
22	RAMS	"Shaffer", type LWS, 7 1/16", 2 3/8", 2 7/8", 3 1/2" and blind rams			
23	ANNULAR TYPE PREVENTER	"Hydril", type GK, 7 1/16", max pressure 5.000 psi-a			
24	BOP CONTROL UNIT	CAD1200581AP1 Number of bottles: 12 Fluid tank capacity: 221 gallons triplx pump 2 x air pumps, 460 V			
25	REMOTE CONTROL PANEL	N/A			
26	WELL SERVICE PUMP	Pump triplex "GARDNER DENVER", model TEEBFB 4" x 5", Q - 0,60 m3/min 5K manifold pressure			
27	WELL PUMP ENGINE	CATERPILLAR 3056E			
28	PRESSURE LINE	Halliburton size 2", 5.000 psi			
29	ADJUSTABLE CHOKE	N/A			
30	WEIGHT INDICATOR	Atlas Clipper, Rated 70,000 kPa			
31	AC POWER GENERATOR	"OLYMPIAN", GEP 150, power 135 kVA			
32	AC POWER ENGINE	PERKINS ENGINES COMPANY 1006E-6T			
33	RESERVOIRS SYSTEM	5 x 20 m3 tanks (total reservoirs volume100 m3)			
34	RIG CAMP	w/air condition & water supply & only hoist crew			
35	RIG PERSONNEL	Toolpusher, Driller, Assistant Driller, Derrickman, Roughneck			