

**GENERAL INVENTORY**  
**TECHNICOIL CORPORATION – RIG NO. 2120**

EFFECTIVE DATE: **March, 2011**

**GENERAL SPECIFICATIONS**

Depth Rating	1800	2 7/8 coiled tubing
	<hr/>	with
	1500 m	<hr/> 3 1/2" coiled tubing
KB to ground	<hr/> 4.25 m	
Bottom of table beam to ground	<hr/> 4.00 m	
Approximate Loads - Rig	<hr/> 9 Summer and 10 Winter	

**EQUIPMENT**

1.	DRAWWORKS	Make	Foremost	Input	600 hp
		Auxiliary Brake Make	<hr/> Single Disc c/w Dual Calipers		
2.	RIG POWER & DISTRIBUTION	Description	<hr/> Detroit Diesel Series 60		
		Max. Continuous Power	<hr/> 600 hp @ 2100 RPM		
		Maximum Power	<hr/> 660 hp		
3.	MAST	Make	<hr/> Foremost	Height	<hr/> 25.86 m (85')
		Maximum Hook Load	<hr/> 62,280 (140,000#)	daN w/	<hr/> 4 lines
		Certified?	<hr/> Yes API-F4-8C	Date	<hr/> June 2005
4.	SUBSTRUCTURE	Dimensions - Length	<hr/> 23.78 m (78')	Floor	<hr/> 4.6 m x 3.6 m
		- Width	<hr/> 3.8 m (12'6")		
		- Height	<hr/> 5.03 m (16'6")		
5.	CROWN BLOCK	Make	<hr/> Foremost		
		Maximum Load	<hr/> 62,280 daN (140,000#)	w/	<hr/> 4 lines
		Certified?	<hr/> yes	Date	<hr/> June 2005
6.	TRAVELLING BLOCK / SWITCH / HOOK	Make	<hr/> Double Sheave – Integral w/ Top Drive (75T)		
		Maximum Load	<hr/> 62,280 daN (140,000#) w/ 4 lines		
		Certified?	<hr/> yes	Date	<hr/> June 2005
7.	DRILLING LINE	Size	<hr/> 25.4 mm (1")		
8.	ROTARY TABLE	Opening Size	<hr/> 40.64 cm (16")		
		Maximum Load	<hr/> 62,280 daN (140,000#)		

9.	MUD SYSTEM	Shale Shaker – (Qty 2)	MI Swaco Linear Motion Mongoose PT
		Mud Tank	Active Volume 57 m <sup>3</sup>
		Trip Tank	4.15 m <sup>3</sup>
		Shaker Tank	21.59 m <sup>3</sup>
		Settling Tank	17.50 m <sup>3</sup>
		Suction Tank	17.50 m <sup>3</sup>
		Pill Tank	5.39 m <sup>3</sup>
		Centrifugal Pumps	3 Halco Supreme 2500 50 HP each
10.	MUD PUMP	Make	JBI JF-1000
		Powered By	Detroit Series 12v/2000 850 HP
		Maximum SPM	150 (intermittent) 130 continuous
		Maximum Output	2.08 m <sup>3</sup> / minute (intermittent) 1.81 m <sup>3</sup> continuous with 6” liner
	2 <sup>nd</sup> MUD PUMP	Make	JBI JF-800
		Powered By	Detroit Series 60/700 HP
		Maximum SPM	150 (intermittent) 130 continuous
		Maximum Output	1.67m <sup>3</sup> / minute (intermittent) 1.44 m <sup>3</sup> continuous with 6” liner
11.	LIGHT PLANT (main)	Make	Detroit Diesel Model Series 60
		Maximum Power	350 KW (475 hp @ 1800 RPM) (490 hp maximum)
	LIGHT PLANT (backup)	Make	John Deere Model 6059T
		Maximum Power	142KW (190HP @ 1800 RPM)
12.	INJECTOR	Make	Stewart & Stevenson Model M1100S
		Maximum Capacity	48,930 daN (110,000#)
		Snubbing Capacity	26,690 daN (60,000#)
		Maximum Speed	30.5 m/ min. (100’ / min.)
		Max. Tubing Size	89 mm (3 ½”)
13.	TOP DRIVE	Make	Foremost Model 240 Hydraulic
		Maximum RPM	220 Max. Torque 20,000 ft. lbs.
		Maximum Load	62,280 dan (140,000#)
14.	COMPRESSOR	Make	Sullair Compressors
		Output	405 scf @ 250 psi
		Powered By:	200 HP Electric

15.	DEGASSER	Make	Poorboy		
		Size	762 mm (30")		
		Inlet	101 mm (4")		
		Outlet	203 mm (8")		
16.	BLOW-OUT PREVENTERS	Make	Townsend 90 Annular	Townsend P.R	Townsend BR Nace Trim
		Size	228 mm	228 mm	228 mm
		Max. Pres.	21,000KPa	21,000KPa	21,000 KPa
		Certified	January 7 2011	January 7 2011	January 7 2011
17.	MANIFOLD	Make	Tartan – Nace Trim		
		Size	79 mm		
		Max. Pres.	21,000KPa		
		Certified	February 28/07 - IN SERVICE January 15 2008		
18.	WATER TANK	Capacity	50 m <sup>3</sup>		
19.	FUEL TANKS	Capacity	9,800 l.		