



1.5. Project Wellbore Diagram (as drilled)

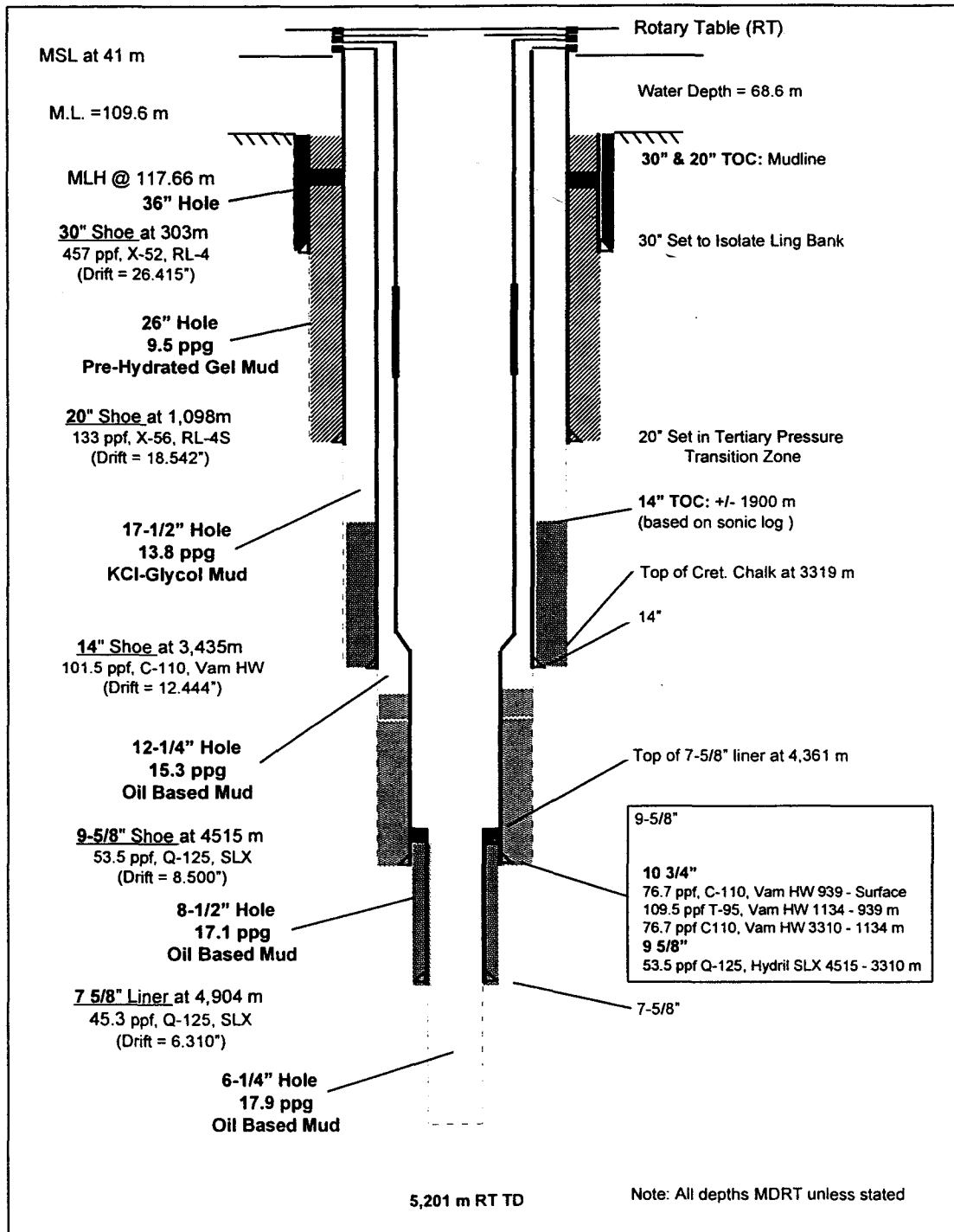


Table 4-7 FMT Data Summary, 6-1/4" Hole

**1/3-8 WIRELINE FMT SUMMARY**

Logging run : 4D

Date : 12th May 1997

Hole size : 6 1/4"

Open hole interval : 4902.5 - 5199.5 m MD BRT

Kelly Bushing ( m amsl ) : 41

Permanent Datum ( m amsl ) : 0

Geologists : John Hopkins / Alan Williams

*\*formation pressures referenced to sea level*

No.	Depth m	TVD BRT m	Pre.Hyd psi	Post.Hyd psi	Formation psi	TVD SS m	Post Hyd ppge	Formation ppge*	Perm. md	Remarks ( elapsed test time )	Temp. deg C
1	5005.7	5004.3	14830.3	14835.3		4963.3	17.38		0.6	Tight ( 30 mins )	166.0
2	5006.3	5004.9	14834.9	14836.5	14844.3	4963.9	17.38	17.53	1.2	Low perm., at first suspect seal fail?	168.0
3	5006.7	5005.3	14835.1	14846.1	14837.8	4964.3	17.39	17.52	1.1	Low perm., " " " " "	168.1
4	5009.5	5008.1	14843.6	14849.9		4967.1	17.38		0.9	Tight ( 6 min )	168.2
5	5023.5	5022.1	14882.5	14885.4	14885.2	4981.1	17.37	17.52	1.0	Low perm., " " " " "	168.6
6	5025.2	5023.8	14889.0	14890.8	14941.8	4982.8	17.38	17.58	1.0	Low perm, stable above hydrostatic	169.0
7	5028.2	5026.8	14897.3	14902.0		4985.8	17.38		0.9	Tight ( 5 min )	169.4
8	5042.5	5041.1	14936.0	14943.1		5000.1	17.37		0.8	Tight ( 7 min )	169.7
9	5054.0	5052.6	14969.3	14969.6	15043.9	5011.6	17.37	17.60	0.8	Low perm	170.2
10	5112.0	5110.6	15136.7	15143.0		5069.6	17.37		0.9	Tight ( 6 min )	171.5
11	5123.5	5122.1	15170.2	15178.6		5081.1	17.37		0.7	Tight ( 7 min )	172.6
12	5127.0	5125.6	15182.0	15186.7		5084.6	17.37		0.8	Tight ( 3 min )	172.9
13	5137.3	5135.9	15212.1	15218.9		5094.9	17.37		0.9	Tight ( 4 min )	173.1
14	5147.7	5146.3	15242.7	15249.6		5105.3	17.37		0.6	Tight ( 4 min )	173.4
15	5159.5	5158.1	15276.9	15284.9		5117.1	17.37		0.9	Tight ( 7 min )	173.9
16	5172.9	5171.5	15317.8	15323.6		5130.5	17.37		0.7	Tight ( 6 min )	174.3
17	5023.5	5022.1	14882.0	14889.0		4981.1	17.38		0.8	Tight, re-tie in GR	172.0
18	5023.5	5022.1	14871.7	14875.4	14921.9	4981.1	17.36	17.56	1.0	Low perm	170.9
19	5006.3	5004.9	14822.0	14821.0	14843.0	4963.9	17.36	17.53	0.8	Low perm, opened sample chambers	170.0
										Recovered from 10 litre chamber, 200cc muddy water, pH 6.5, Cl- 190000 ppm. PVT 4 litre chamber sealed for shipment to Schlumberger Petroleum Laboratory.	



### **6.3. GEOCHEMISTRY OF FLUID SAMPLES COLLECTED FROM WELL KICK**

During the drilling of well 1/3-8 a kick was taken at 4529m. When the well was brought under control by circulating out the influx, samples of what appeared to be condensate contaminated mud were collected at the rig and sent to Geolab Nor for analysis. A summary of the analyses performed and results were as follows:

One mud sample was taken and analysed by EOM GC to verify the difference to the separated fluid from the 'kick sample' (Figures 6.3.1 and 6.3.2). The separated sample was analysed by whole oil GC, separated by MPLC, quantitative saturated GC, aromatic GC, GC-IRMS of the saturated fraction and GC-MS of the saturated fraction (quantitative) and aromatic fraction. API was also determined. The objective was to establish if the liquid was a condensate (or oil) and if possible to determine maturity and source.