

Norwest Engineering Ltd.

Swabbing Data Sheet

Well Name and Location:

RANGER NOTA CREEK P. 17

Date:

MARCH 7/98

No.	Time	Fluid Level (m)	Swab Depth (m)	Fluid Swabbed (m3)	Cum. Fluid Swabbed (m3)	Remarks
1	8.00	200	280	.3	3	
2	9.30	160	280	.2	.5	
3	11.30	200	280	.1	.6	
4	12.30	200	280	.1	.7	
5	1.45	200	280	.1	.8	
6	2.30	180	280	.1	.9	
7	3.15	240	280	.1	1.0	
8	4.00	180	280	.1	1.1	
9	4.30	200	280	.1	1.2	
10	5.00	200	280	.1	1.3	
11	6.00	200	280	.1	1.4	
12	6.30	200	280	.1	1.5	
13		MARCH 8 1998				NO SHOW OF SALT WATER
14	8.20	150	280	.2	1.2	SALINITY (0.7)
15	9.50	190	280	.1	3	
16	9.30	200	280	.1	4	
17	10.00	200	280	.1	5	
18	10.30	200	280	.1	6	
19						
20						2.1

TOTAL FLUID SWABBED: _____ m3

TIME: _____ Hours: _____

Rate: _____ m3/hr

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Norwest Engineering Ltd.

Swabbing Data Sheet

Well Name and Location:

RANGER NOTA CREEK C-17

Date:

MARCH 5 1998

Nc.	Time	Fluid Level (m)	Swab Depth (m)	Fluid Swabbed (m3)	Cum. Fluid Swabbed (m3)	Remarks
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	Flow.					5 m ³
1	9.00	0	280 m	.2	.2	
2	9.20	250	280	0		
3	9.45	250	280	0		
4	10.30	250	280	0		
5	11.00	250	280	0		
6	11.30	250	280	0		
7	5.00	200	3.00	.2	.4	Total .4
8		ACIDIZE FLOW ACID EXPANSION - 5 m ³				
9		MARCH 6 1998				
10	8.30	50	280	.2	.5	
11	8.55	200	280	.2	.7	
12	9.15	200	280	.2	.8	
13	10.05	200	280	.1	.89	
14	11.05	150	280	.2	1.1	
15	12.05	120	280	.3	1.3	
16	1.05	200	280	.1	1.4	
17	2.05	130	280	.2	1.6	
18	3.05	150	280	.2	1.8	
19	4.30	160	280	.2	2.0	
20	5.30	150	280	.2	2.2	Total Recovery w/Flow 2.8 m ³

TOTAL FLUID SWABBED:

2.8 m³

CHECKED ON TUBING

TIME: 2 Days Hours:

March 7/98

Rate: _____ m³/hr

FLOWED .5

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