

EARLOUGHIER ENGINEERING

RESULTS OF PERMEABILITY TESTS

COMPANY Kewanee Oil Company

WELL Daniels No. 109

Sample No.	Depth Feet	Permeability Millidarcys	FEET OF SAND		Capacity Ft. X Md.	Sample No.	Depth Feet	Permeability Millidarcys	FEET OF SAND		Capacity Ft. X Md.
			Ft.	Cum. Ft.					Ft.	Cum. Ft.	
1	600.5	0.7	0.7	0.7	0.5	34	620.6	4.9	0.4	12.3	2.0
2	601.2	Imp.	0.1*			35	621.2	2.8	0.5	12.8	1.4
3	601.9	1.2	1.0	1.7	1.2	36	621.7	7.1	0.6	13.4	4.3
4	602.4	Imp.	1.1*			37	622.1	13.	0.8	14.2	10.
5	603.5	5.2	0.4	2.1	2.1	38	623.0	7.9	0.7	14.9	5.3
6	603.9	37.	0.6	2.7	22.	39	623.7	12.	0.3	15.2	3.6
7	604.5	33.	0.7	3.4	23.	40	624.0	20.	0.3	15.5	6.0
8	605.2	Cracked				41	624.4	31.	0.2	15.7	6.2
9	605.6	27.	0.7	4.1	19.	42	625.8	3.2	0.5	16.2	1.6
10	606.2	25.	0.2	4.3	5.0	43	626.2	4.2	0.4	16.6	1.7
11	606.6	16.	0.2	4.5	3.2	44	626.9	1.2	1.1	17.7	1.3
12	607.3	11.	1.0	5.5	11.	45	627.6	0.4	0.4*		
13	608.3	1.7	0.4*			46	628.5	0.5	0.8	18.5	0.4
14	608.7	12.	0.3	5.8	3.6	47	629.2	1.4	0.6	19.1	0.8
15	609.1	29.	0.3	6.1	8.7	48	630.0	0.6	1.1*		
16	609.9	19.	0.9	7.0	17.	49	630.7	30.	0.4	19.5	12.
17	610.4	5.2	0.2*			50	631.0	57.	0.6	20.1	34.
18	611.0	18.	0.2	7.2	3.6	50A	631.5	53.	0.4	20.5	21.
19	611.4	33.	0.4	7.6	13.	51	631.7	1.1	0.3	20.8	0.3
20	611.9	9.8	0.1	7.7	1.0	52	632.1	5.3	0.7	21.5	3.7
21	612.3	5.6	0.3	8.0	1.7	53	633.2	31.	0.7	22.2	22.
22	612.8	0.6	0.7	8.7	0.4	54	633.8	21.	0.4	22.6	3.4
23	614.6	3.7	0.2	8.9	0.7	55	634.1	9.0	0.4	23.0	3.6
24	614.9	1.4	0.3	9.2	0.4	56	634.7	-0-	1.0*		
25	615.6	1.9	0.3	9.5	0.6	57	635.4	-0-	0.8*		
26	615.9	0.7	0.3	9.8	0.2	58	636.2	0.5	0.5*		
27	616.4	14.	0.4	10.2	5.6	59	636.9	0.1	0.6*		
28	617.0	0.7	0.5*			60	637.4	0.6	0.5*		1.1
29	618.1	2.9	0.6	10.8	1.7	61	637.9	0.5	0.6*		1.3
30	618.6	2.7	0.5	11.3	1.4	62	639.3	0.4	0.4*		1.2
31	619.2	2.9	0.5*			63	639.8	7.2	0.4*		2.9
32	619.8	1.1	0.5*								
33	620.2	2.7	0.6	11.9	1.6						

* Not included in cumulative feet of sand.

SUMMARY

DEPTH FEET		FEET OF SAND	AVERAGE PERMEABILITY	CAPACITY FT. X MD.
FROM	TO			
600.5	613.3	8.7	16.	136.
614.5	634.2	14.3	11.	162.
600.5	634.2	23.0	13.	298.