

Black Diamond Drilling Co.
Rt 2
Colony, Kansas 66015

30-27-22E

Date 9-1-84

Albert Elmer # K-1

Crawford County 30-27-22E

3465' N
2549' W of SE corner

262



Soil & Clay	0-20
Shale	20-54
Lime	54-68
Shale	68-140
Lime	140-187
Shale	187-243
Lime	243-261
Black Shale	261-269
Lime	269-275
ck Shale	275-277
Shale	277-579
Sand	579-596
Shale	596-640
TD	640

Set 21 ft of 7" Surface

Pipe, Cement on top

Core Run 579-599

Ran 633 ft of 4 1/2" Pipe

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State Geological Survey
WICHITA BRANCH

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Advanced Recovery Services Co. Lease Albert Elmer Well No. K-1

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	580.4	11.7	36	61	97	327	2.0	0.8	0.8	262	1.60
2	581.5	21.1	10	80	90	164	141.	1.2	2.0	197	169.00
3	582.5	15.2	27	71	98	318	18.	1.0	3.0	318	18.00
4	583.5	22.8	14	73	87	248	192.	1.0	4.0	248	192.00
5	584.5	18.8	23	60	83	236	56.	1.0	5.0	236	56.00
6	585.6	21.7	44	37	81	741	158.	1.0	6.0	741	158.00
7	586.6	21.2	51	33	84	839	203.	1.0	7.0	839	203.00
8	587.4	19.3	37	31	68	554	65.	1.0	8.0	554	65.00
9	588.6	15.6	59	39	98	714	14.	1.0	9.0	714	14.00
10	589.5	20.6	57	24	81	911	71.	1.0	10.0	911	71.00
11	590.6	20.0	59	27	86	915	97.	1.0	11.0	915	97.00
12	591.6	20.7	59	26	85	948	188.	1.0	12.0	948	188.00
13	592.4	21.9	57	22	79	968	236.	1.0	13.0	968	236.00
14	593.6	17.4	59	27	86	796	22.	1.0	14.0	796	22.00
15	594.4	18.4	64	23	87	914	0.63	1.0	15.0	914	0.63
16	595.5	17.6	25	50	75	341	0.30	1.0	16.0	341	0.30
17	596.7	15.3	45	41	86	534	0.20	1.0	17.0	534	0.20
18	597.5	15.4	57	31	88	681	0.37	1.0	18.0	681	0.37

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30-27-22E

465' N

2549' W of SE corner

30-27-22E

OCT 19 1984

Oilfield Research Laboratories

SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Advanced Recovery Services Co.

Lease Albert Elmer

Well No. K-1

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
580.0 - 585.0	5.0	87.3	436.60
585.0 - 593.0	8.0	129.0	1032.00
593.0 - 598.0	5.0	4.2	23.50
580.0 - 598.0	18.0	82.9	1492.10

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Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
580.0 - 585.0	5.0	18.3	21.0	69.8	252	1,261
585.0 - 593.0	8.0	20.1	52.9	29.9	824	6,590
593.0 - 598.0	5.0	16.8	50.0	34.4	653	3,266
580.0 - 598.0	18.0	18.7	43.2	42.2	618	11,117

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3465 FSL
5549 FEL
30-275-22E
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Dr. R. C. State Geological Survey
WICHITA BRANCH

30-27-22E