OILFIELD RESEARCH LABORATORIES
536 NORTH HIGHLAND - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

September 24, 1981

Kilby Oil
c/o Mark Kilby
705 South Pratt
Yates Center, Kansas 66783

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Shepard Lease, Well No. 3, located in Section 32, T-23S, R-16E, in Woodson County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on September 18, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Yates Center, Kansas

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LOG

Name Kilby Oil Lease Shepard Well No. 3

Depth Interval, Feet	Description
	SQUIRREL SAND
1121.0 - 1123.0	Brownish black slightly carbonaceous sandstone with fine micaceous partings.
1123.0 - 1123.7	Brownish black slightly carbonaceous shaly sandstone with fine micaceous partings.
1123.7 - 1125.3	Grayish brown very shaly sandstone with fine micaceous partings.
1125.3 - 1125.9	Brown and gray laminated sandstone and shale.
1125.9 - 1126.9	Brownish black slightly carbonaceous sandstone with fine micaceous partings.
1126.9 - 1127.4	Gray and brown laminated shale and sandstone.
1127.4 - 1127.8	Brownish black slightly carbonaceous sandstone.
1127.8 - 1129.1	Brownish black slightly carbonaceous shaly sandstone with fine micaceous and shale partings.
1129.1 - 1129.8	Brownish black slightly carbonaceous sandstone with fine micaceous partings.
1129.8 - 1132.0	Grayish brown very shaly sandstone with fine micaceous partings.
1132.0 - 1134.7	Brownish black slightly carbonaceous shaly sandstone.
1134.7 - 1136.6	Grayish black carbonaceous shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Kilby Oil Lease Shepard Well No. 3

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	1121.5	21.5	52	25	77	867	58.
2	1122.6	20.1	57	30	87	889	26.
3	1123.6	15.1	47	50	97	551	0.52
4	1124.5	13.3	41	52	93	423	Imp.
5	1125.4	15.1	30	58	88	351	4.2
6	1126.4	20.7	51	30	81	819	89.
7	1127.5	20.5	64	27	91	1018	29.
8	1128.5	19.3	62	27	89	928	7.2
9	1129.5	21.3	50	26	76	826	115.
10	1130.5	12.5	37	57	94	359	Imp.
11	1131.5	15.2	48	47	95	566	1.1
12	1132.5	16.7	39	54	93	505	8.3
13	1133.4	15.9	36	57	93	444	Imp.
14	1134.5	14.2	57	32	89	628	Imp.
15	1135.5	14.2	62	32	94	683	Imp.
16	1136.4	15.8	57	34	91	699	Imp.