



OILFIELD RESEARCH LABORATORIES

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

August 6, 1982

Richey Oil Company
Box 876
Tyler, Texas 76710

Gentlemen:

Attached hereto are the results of tests run on the rotary cores taken from the Friedline 'A' Lease, Well No. R-1, located in Section 20, T-28S, R-17E, in Wilson County, Kansas.

The cores were sampled and sealed in plastic bags by a representative of the client and were submitted to our laboratory on August 3 & 4, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/dlb

5 c to Tyler, Texas

- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION

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LOGName Richey Oil Company Lease Friedline 'A' Well No. R-1

<u>Depth Interval, Feet</u>	<u>Description</u>
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SQUIRREL SAND

678.0 - 680.0	Gray slightly sandy shale.
680.0 - 681.7	Gray very shaly sandstone.
681.7 - 682.8	Brown sandstone.
682.8 - 689.0	Grayish brown very shaly sandstone.
689.0 - 689.4	Grayish brown shaly sandstone.
689.4 - 692.2	Grayish brown very shaly sandstone.
692.2 - 911.0	No core.

BARTLESVILLE SAND

911.0 - 912.0	Grayish brown very shaly sandstone.
912.0 - 913.3	Brown sandstone.
913.3 - 913.8	Grayish brown very shaly sandstone.
913.8 - 916.0	Dark brown sandstone.
916.0 - 917.0	Dark brown shaly sandstone.
917.0 - 918.0	Grayish brown very shaly sandstone.
918.0 - 919.0	Alternate layers gray shale and brown sandstone.
919.0 - 919.9	Grayish brown very shaly sandstone.
919.9 - 921.0	Alternate layers gray shale and brown sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Richey Oil Company Lease Friedline 'A' Well No. R-1

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbla. / A Ft.	Perm., Mill.
			Oil	Water	Total		
SQUIRREL SAND							
1	680.4	6.8	13	36	49	69	Imp.
2	681.3	6.2	11	68	79	53	Imp.
3	682.3	14.4	35	35	70	391	18.
4	683.2	13.8	17	53	70	182	0.29
5	684.4	14.0	46	36	82	500	Imp.
6	685.2	13.4	22	71	93	229	Imp.
7	686.5	9.8	13	84	97	99	0.47
8	687.5	11.6	25	70	95	225	0.39
9	688.2	14.2	15	68	83	165	Imp.
10	689.3	14.5	49	41	90	551	1.1
11	690.2	14.1	16	67	83	175	Imp.
12	691.7	15.4	39	42	81	466	0.16
BARTLESVILLE SAND							
13	911.5	9.6	16	81	97	119	Imp.
14	912.3	17.8	30	61	91	414	10.
15	913.2	19.5	45	34	79	681	40.
16	914.3	19.7	56	27	83	856	26.
17	915.2	22.7	56	28	84	986	60.
18	916.2	16.7	54	44	98	700	3.6
19	917.6	12.9	31	63	94	310	Imp.
20	918.7	15.2	20	47	67	236	1.8
21	919.5	13.0	26	68	94	262	Imp.
22	920.4	15.6	32	58	90	387	0.69