



OILFIELD RESEARCH LABORATORIES

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

August 19, 1982

Liberty Hill Oil Corporation
4155 East Jewell Avenue
Suite 1001
Denver, Colorado 80222

Gentlemen:

Attached hereto are the results of tests run on the rotary core samples taken from the Laraway Lease, Well No. 17, located in Chautauqua County, Kansas.

The core samples were sealed in plastic bags by a representative of the client and were submitted to our laboratory on August 18, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/rmc

5 c to Denver, Colorado

Sec. 16, T-34S, R-11E

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Company Liberty Hill Oil Corporation Lease Laraway Well No. 17

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>PERU SANDSTONE</u>
1297.0 - 1300.0	Light grayish brown shaly slightly calcareous sandstone with very fine shale partings.
1300.0 - 1301.0	Light grayish brown slightly shaly slightly calcareous sandstone.
1301.0 - 1304.0	Light brown slightly calcareous sandstone.
1304.0 - 1305.0	Light grayish brown slightly shaly slightly calcareous sandstone.
1305.0 - 1306.0	Light brown slightly calcareous sandstone.
1306.0 - 1307.0	Light grayish brown slightly shaly slightly calcareous sandstone.
1307.0 - 1308.0	Grayish brown very shaly slightly calcareous sandstone.
1308.0 - 1309.0	Light grayish brown shaly slightly calcareous sandstone with scattered shale partings.
1309.0 - 1311.0	Light brown slightly calcareous sandstone.
1311.0 - 1312.0	Light grayish brown shaly slightly calcareous sandstone.
1312.0 - 1316.0	Light brown slightly calcareous sandstone.
1316.0 - 1317.0	Light grayish brown shaly slightly calcareous sandstone with fine shale partings.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Liberty Hill Oil Corp. Lease Laraway Well No. 17

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	1297.5	16.0	8	78	86	99	2.3
2	1298.5	15.2	18	75	93	212	1.2
3	1299.5	15.4	18	67	85	215	1.0
4	1300.5	17.1	21	57	78	279	8.7
5	1301.5	16.7	20	57	77	259	18.
6	1302.5	16.2	15	60	75	189	11.
7	1303.5	16.6	18	56	74	232	12.
8	1304.5	15.7	6	57	63	73	8.5
9	1305.5	17.5	15	56	71	204	18.
10	1306.5	17.0	15	56	71	198	7.1
11	1307.5	15.1	35	56	91	410	0.69
12	1308.5	16.0	21	54	75	261	4.3
13	1309.5	17.3	28	50	78	376	14.
14	1310.5	17.5	31	41	78	421	24.
15	1311.5	15.9	23	61	84	284	5.3
16	1312.5	16.1	16	62	78	200	11.
17	1313.5	16.5	15	63	78	192	22.
18	1314.5	15.8	23	54	77	282	10.
19	1315.5	14.7	16	68	84	183	11.
20	1316.5	15.0	7	72	79	82	4.5