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

November 25, 1981

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 Spur Ranch "A" Lease, Well No. 8, located in the Southeast ¼, of Section 8, T-34S, R-11E, in Chautauqua County, Kansas.

The core samples were sampled by a representative of the client and submitted to our laboratory on November 21, 1981. It is assumed that each sample represents one foot of core.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/mkf

5 c to Denver, Co.

OILFIELD RESEARCH LABORATORIES

LOG

Name Liberty Hill Oil Co. Lease Spur Ranch "A" Well No. 8

Depth Interval, Feet	Description
	PERU SAND
1387.0 - 1389.0	Grayish light brown sandstone.
1389.0 - 1391.0	Grayish light brown slightly shaly sandstone.
1391.0 - 1406.0	Grayish light brown sandstone.
1406.0 - 1407.0	Grayish light brown slightly shaly sandstone.
1407.0 - 1409.0	Grayish light brown sandstone.
1409.0 - 1413.0	Grayish light brown slightly shaly sandstone.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Liberty Hill Oil Co. **Lease** Spur Ranch "A" **Well No.** 8

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
			PERU	SAND			
1	1387.5	16.8	22	59	81	287	26.
2	1388.5	16.3	23	57	80	291	31.
3	1390.5	15.3	35	55	90	415	9.4
4	1391.5	15.5	21	64	85	253	68.
5	1392.5	16.5	23	54	77	294	39.
6	1393.5	14.6	28	58	86	317	17.
7	1394.5	13.8	34	50	84	364	22.
8	1395.5	15.0	28	55	83	326	13.
9	1396.5	16.6	21	57	78	270	13.
10	1397.5	15.6	29	53	82	351	21.
11	1398.5	15.6	24	58	82	291	21.
12	1399.5	14.9	22	59	81	254	16.
13	1400.5	15.3	19	61	80	226	13.
14	1401.5	15.9	28	51	79	345	28.
15	1402.5	16.3	27	49	76	341	31.
16	1403.5	14.7	23	64	87	262	17.
17	1404.5	14.9	47	51	98	543	27.
18	1405.5	13.6	13	61	74	137	17.
19	1406.5	12.0	14	73	87	130	6.0
20	1407.5	15.0	13	69	82	151	13.
21	1408.5	14.4	20	57	77	223	14.
22	1409.5	8.2	37	57	94	235	8.7
23	1410.5	14.5	35	48	83	394	5.4
24	1411.5	13.7	24	69	93	255	5.4
25	1412.5	16.5	22	62	84	282	6.9