



OILFIELD RESEARCH LABORATORIES

P. O. BOX 647 - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

December 17, 1986

Kansas Oil Properties, Inc.
R. 3, Box 189A
Baldwin City, KS 66006

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Shephard II Lease, Well No. 10, located in Section 13, T14S, R20E, Douglas County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on December 13, 1986.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Alan M. Dunning
Alan M. Dunning

AMD:bl

5 c to Baldwin City, KS

LOG

Company Kansas Oil Properties, Inc. Lease Shephard II Well No. 10

SECOND SQUIRREL SANDSTONE

<u>Depth Interval, Feet</u>	<u>Description</u>
712.0 - 714.0	Sandstone, brown.
714.0 - 722.3	Sandstone, light brown.
722.3 - 729.0	Sandstone, brown with very widely scattered shale and mica partings.
729.0 - 730.0	Sandstone, brown, shaly with scattered shale, mica and carbonaceous partings.
730.0 - 733.0	Sandstone, brown.
733.0 - 734.0	Sandstone, brown with widely scattered carbonaceous partings.
734.0 - 735.0	Sandstone, brown.
735.0 - 736.9	Sandstone, brown with scattered shale, mica and carbonaceous partings.
736.9 - 742.0	Sandstone, brown.
742.0 - 743.0	Sandstone, grayish brown.
743.0 - 745.7	Sandstone, grayish black, slightly carbonaceous.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Kansas Oil Properties, Inc. Lease Shephard II Well No. 10

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Stock Tank Barrels per Acre Foot	Permeability, Millidarcys
			Oil	Water	Total		
1	712.5	26.9	41	26	67	1471	115.
2	713.5	25.7	32	35	67	1234	80.
3	714.5	26.3	26	41	67	1146	111.
4	715.5	25.6	29	37	66	1192	84.
5	716.5	25.3	26	43	69	1119	76.
6	717.6	26.1	25	45	70	1061	96.
7	718.5	26.6	21	50	71	983	104.
8	719.5	23.3	26	51	77	844	56.
9	720.5	26.1	22	51	73	945	90.
10	721.5	25.4	21	55	76	845	43.
11	722.5	24.1	39	34	73	1175	45.
12	723.5	25.3	35	35	70	1215	59.
13	724.5	26.7	39	31	70	1361	33.
14	725.5	26.2	33	36	69	1239	55.
15	726.4	26.0	35	33	68	1287	55.
16	727.5	28.7	32	33	65	1421	48.
17	728.5	28.4	31	32	63	1427	81.
18	729.5	16.2	48	42	90	694	4.4
19	730.5	25.5	34	30	64	1319	38.
20	731.5	27.5	39	30	69	1422	76.
21	732.4	24.9	40	30	70	1288	51.
22	733.5	26.4	39	29	68	1385	76.
23	734.5	26.2	41	27	68	1413	64.
24	735.4	24.0	46	30	76	1241	43.
25	736.4	25.4	46	27	73	1370	68.
26	737.5	25.5	41	29	70	1338	44.
27	738.5	25.6	42	31	73	1305	48.
28	739.5	27.2	43	30	73	1407	62.
29	740.5	26.8	42	29	71	1406	41.
30	741.5	24.3	45	29	74	1275	35.
31	742.6	25.3	55	29	84	1327	35.
32	743.5	27.7	64	15	79	1740	99.
33	744.5	27.7	60	16	76	1719	40.
34	745.4	28.5	63	16	79	1769	43.