



OILFIELD RESEARCH LABORATORIES

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

December 22, 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. 5, 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 15, 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. 5

SECOND SQUIRREL SANDSTONE

<u>Depth Interval, Feet</u>	<u>Description</u>
688.0 - 689.5	Sandstone, brown.
689.5 - 689.7	Sandstone, grayish brown, shaly, calcareous.
689.7 - 690.1	Limestone, light gray.
690.1 - 691.8	Sandstone, brown with widely scattered shale partings.
691.8 - 696.6	Sandstone, brown.
696.6 - 697.2	Sandstone and limestone, brown and light gray, alternate layers.
697.2 - 697.5	Limestone, light gray.
697.5 - 697.7	Sandstone, brown.
697.7 - 698.3	Sandstone, brown with scattered shale, mica, and carbonaceous partings.
698.3 - 701.0	Sandstone, brown with widely scattered shale and mica partings.
701.0 - 702.3	Sandstone, brown.
702.3 - 703.3	Sandstone, brown with widely scattered shale, mica, and carbonaceous partings.
703.3 - 704.4	Sandstone, brown.
704.4 - 705.6	Sandstone, dark brown with widely scattered shale, mica, and carbonaceous partings.
705.6 - 708.0	Sandstone, dark brown.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Kansas Oil Properties, Inc. Lease Shephard II Well No. 5

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Stock Tank Barrels per Acre Foot	Permeability, Millidarcys
			Oil	Water	Total		
1	688.5	25.5	43	27	70	1375	68.
2	689.6	12.9	48	46	94	515	0.14
3	690.5	26.6	37	31	68	1356	62.
4	691.5	26.6	40	28	68	1415	115.
5	692.5	24.5	51	34	85	1195	114.
6	693.5	26.6	53	28	81	1415	153.
7	694.5	28.6	48	24	72	1606	85.
8	695.6	28.6	43	26	69	1564	108.
9	696.5	27.4	41	29	70	1437	107.
10	697.6	26.1	25	36	61	1234	133.
11	698.5	27.4	33	32	65	1377	93.
12	699.5	23.4	41	23	64	1331	62.
13	700.5	25.9	46	25	71	1435	143.
14	701.5	24.5	50	32	82	1231	98.
15	702.5	27.7	42	27	69	1494	107.
16	703.5	26.0	41	32	73	1306	43.
17	704.5	27.7	45	25	70	1535	102.
18	705.5	25.0	35	31	66	1275	78.
19	706.5	27.8	44	25	69	1541	90.
20	707.5	24.6	48	28	76	1309	*

Note: *Permeability sample unobtainable.