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

December 8, 1980

Co-Kan Oil & Gas, Incorporated
115 West Main Street
Cherryvale, Kansas 67335

Gentlemen:

Enclosed herewith are the results of tests run on the rotary cores taken from the Coats Lease, Well No. 2, Montgonery County, Kansas.

The cores were sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on November 24, 1980.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/tem

5 c to Cherryvale, Kansas

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GENERAL INFORMATION & SUMMARY

Company Co-Kan Oil & Gas, Incorporated Lease Coats Well No. 2

Location -

Section 3 Twp. 32S Rge. 17E County Montgomery State Kansas

	- First Bartlesville	- Second Bartlesville
Elevation, Feet		
Name of Sand		
Top of Core	675.0	726.0
Bottom of Core	691.5	737.4
Top of Sand	675.0	726.0
Bottom of Sand	691.5	737.4
Total Feet of Permeable Sand	14.0	7.9

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
	FIRST BARTLESVILLE	
0 - 30	6.7	6.7
30 - 60	1.5	8.2
60 - 90	0.8	9.0
90 & Above	5.0	14.0
	SECOND BARTLESVILLE	
0 - 1	4.8	4.8
4 & Above	3.1	7.9

Average Permeability Millidarcys	57.1	3.0
Average Percent Porosity	18.0	13.2
Average Percent Oil Saturation	42.3	41.2
Average Percent Water Saturation	38.2	47.2
Average Oil Content, Bbls./A. Ft.	605.	421.
Total Oil Content, Bbls./Acre	8469.	4251.

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LOG

Name Co-Kan Oil & Gas, Inc. Lease Coats Well No. 2

Depth Interval, Feet	Description
	BARTLESVILLE SAND- FIRST
675.0 - 676.3	Brown conglomeratic shaly sandstone.
676.3 - 676.8	Brown sandstone.
676.8 - 678.4	Brown and gray conglomeratic shaly sandstone.
678.4 - 681.0	Brown slightly calcareous sandstone.
681.0 - 683.5	No Core.
683.5 - 690.8	Brown slightly calcareous sandstone.
690.8 - 691.5	Light brown conglomeratic calcareous shaly sandstone.
	BARTLESVILLE SAND- SECOND
726.0 - 728.8	Grayish light brown shaly sandstone.
728.8 - 729.9	Light brown and gray laminated sandstone and shale.
729.9 - 731.2	Gray sandy shale.
731.2 - 737.4	Grayish light brown shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Co-Kan Oil & Gas, Incorporated Lease Coats Well No. 2

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
					FIRST BARTLESVILLE SAND						
1	675.4	18.1	38	36	74	534	5.8	1.3	1.3	694	7.54
2	676.5	18.6	36	41	77	520	21.	0.5	1.8	260	10.50
3	677.6	14.0	32	59	91	348	1.8	1.6	3.4	557	2.88
4	678.5	18.6	28	63	91	404	28.	0.6	4.0	242	16.80
5	679.5	19.1	38	40	78	563	22.	1.0	5.0	563	22.00
6	680.5	20.3	50	26	76	787	44.	1.0	6.0	787	44.00
7	683.7	21.0	36	43	79	587	56.	0.5	6.5	294	28.00
8	684.5	19.9	38	40	78	587	68.	0.8	7.3	470	54.40
9	685.5	19.1	27	46	73	400	96.	1.0	8.3	400	96.00
10	686.5	18.8	52	33	85	758	145.	1.0	9.3	758	145.00
11	687.5	19.7	53	31	84	810	97.	1.0	10.3	810	97.00
12	688.4	20.2	62	27	89	972	96.	1.0	11.3	972	96.00
13	689.5	20.9	51	27	78	827	153.	1.0	12.3	827	153.00
14	690.5	18.3	55	10	65	781	26.	1.0	13.3	781	26.00
15	691.3	3.3	30	60	90	77	0.54	0.7	14.0	54	0.38
					SECOND BARTLESVILLE SAND						
16	726.5	12.1	42	57	99	394	0.64	0.8	14.8	315	0.51
17	727.5	11.8	32	60	92	293	4.5	1.0	15.8	293	4.50
18	728.5	14.9	44	44	88	509	4.3	1.0	16.8	509	4.30
19	729.5	15.7	62	16	78	755	11.	1.1	17.9	831	12.10
20	731.5	11.3	46	47	93	403	Imp.	1.0	18.9	403	0.00
21	732.5	13.0	39	56	95	393	0.42	1.0	19.9	393	0.42
22	733.4	14.1	36	48	84	394	0.65	1.0	20.9	394	0.65
23	734.5	14.5	11	71	82	124	0.54	1.0	21.9	124	0.54
24	735.5	9.9	54	30	84	415	0.34	1.0	22.9	415	0.34
25	736.7	14.0	44	48	92	478	Imp.	1.2	24.1	574	0.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Co-Kan Oil & Gas, Incorporated Lease Coats Well No. 2

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
	FIRST BARTLESVILLE SAND		
675.0 - 691.5	14.0	57.1	799.50
	SECOND BARTLESVILLE SAND		
726.0 - 737.4	7.9	3.0	23.36

Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
		FIRST BARTLESVILLE SAND				
675.0 - 691.5	14.0	18.0	42.3	38.2	605	8,469
		SECOND BARTLESVILLE SAND				
726.0 - 737.4	10.1	13.2	41.2	47.2	421	4,251