



OILFIELD RESEARCH LABORATORIES

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

March 18, 1981

United Oil & Gas, Inc.
805 Willow
Coffeyville, Kansas 67337

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Stapleton "A" Lease, Well No. 3, located in Montgomery County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on March 3, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Coffeyville, Kansas

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GENERAL INFORMATION & SUMMARY

Company United Oil & Gas, Inc. Lease Stapleton "A" Well No. 3

Location _____

Section 11 Twp. 35S Rge. 15E County Montgomery State Kansas

Elevation, Feet	-
Name of Sand.....	Bartlesville
Top of Core	1180.0
Bottom of Core	1209.4
Top of Sand	(Tested) 1188.0
Bottom of Sand	(Tested) 1208.8
Total Feet of Permeable Sand	20.8

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
1 - 5	5.9	5.9
5 - 10	7.1	13.0
10 - 20	4.6	17.6
20 - 30	2.7	20.3
30 & Above	0.5	20.8

Average Permeability Millidarcys	10.4
Average Percent Porosity	15.7
Average Percent Oil Saturation	32.9
Average Percent Water Saturation.....	38.4
Average Oil Content, Bbls./A. Ft.	447.
Total Oil Content, Bbls./Acre.....	9,289.

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LOGName United Oil & Gas, Inc. Lease Stapleton "A" Well No. 3

<u>Depth Interval, Feet</u>	<u>Description</u>
1180.0 - 1180.5	Gray sandy shale.
1180.5 - 1188.0	Light brown shaly sandstone (Crumbled and not sampled).
1188.0 - 1189.3	Light brown shaly sandstone.
1189.3 - 1191.9	Light brown slightly shaly sandstone.
1191.9 - 1196.3	Brown sandstone.
1196.3 - 1197.3	Brown slightly shaly sandstone.
1197.3 - 1201.3	Brown shaly sandstone.
1201.3 - 1201.8	Brown sandstone.
1201.8 - 1203.0	Brown shaly sandstone.
1203.0 - 1204.2	Brown sandstone.
1204.2 - 1207.1	Brown shaly sandstone.
1207.1 - 1208.8	Light brown sandstone.
1208.8 - 1209.4	Gray shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company United Oil & Gas, Inc. Lease Stapleton "A" Well No. 3

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.		
1	1188.5	14.7	38	40	78	433	5.6	1.3	1.3	563	7.28
2	1189.5	17.1	38	29	67	504	9.9	0.6	1.9	302	5.94
3	1190.4	16.7	24	38	62	311	9.6	1.0	2.9	311	9.60
4	1191.5	17.1	43	31	74	570	9.9	1.0	3.9	570	9.90
5	1192.6	17.7	35	35	70	481	14.	1.0	4.9	481	14.00
6	1193.7	17.8	40	35	75	552	11.	1.0	5.9	552	11.00
7	1194.6	21.7	57	29	86	960	24.	1.0	6.9	960	24.00
8	1195.5	18.7	28	44	72	406	13.	1.4	8.3	568	18.20
9	1196.6	15.9	33	44	77	407	8.3	1.0	9.3	407	8.30
10	1197.4	15.9	43	33	76	530	3.3	1.0	10.3	530	3.30
11	1198.5	16.9	30	35	65	393	1.3	1.0	11.3	393	1.30
12	1199.7	15.5	22	52	74	265	2.9	0.9	12.2	239	2.61
13	1200.3	16.9	29	37	66	380	3.9	1.1	13.3	418	4.29
14	1201.7	19.3	25	30	55	374	38.	0.5	13.8	187	19.00
15	1202.7	19.3	27	40	67	404	5.3	1.2	15.0	485	6.36
16	1203.2	20.1	27	39	66	421	17.	1.2	16.2	505	20.40
17	1204.6	14.8	28	43	71	322	1.5	1.0	17.2	322	1.50
18	1205.5	17.1	37	38	75	491	5.6	1.0	18.2	491	5.60
19	1206.3	15.4	29	52	81	347	2.7	0.9	19.1	312	2.43
20	1207.4	19.2	29	39	68	432	25.	0.7	19.8	302	17.50
21	1208.6	18.0	28	35	63	391	24.	1.0	20.8	391	24.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Stapleton "A"	Well No.			
United Oil & Gas, Inc.			3			
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.			
1188.0 - 1208.8	20.8	10.4	216.51			
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
1188.0 - 1208.8	20.8	15.7	32.9	38.4	447	9,289