



OILFIELD RESEARCH LABORATORIES

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

March 19, 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 Lease, Well No. A-4, 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 9, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Coffeyville, Kansas

Oilfield Research Laboratories
GENERAL INFORMATION & SUMMARY

Company United Oil & Gas, Inc. Lease Stapleton Well No. A-4
 Location _____
 Section 11 Twp. 35S Rge. 15E County Montgomery State Kansas

Elevation, Feet

Name of Sand

Bartlesville

Top of Core

1182.0

Bottom of Core

1211.1

Top of Sand

1182.0

Bottom of Sand

1211.1

Total Feet of Permeable Sand

20.3

Distribution of Permeable Sand: Permeability Range Millidarcys		Feet	Cum. Ft.
0 - 1		3.0	3.0
1 - 5		12.1	15.1
5 - 10		1.0	16.1
10 - 15		2.2	18.3
15 & Above		2.0	20.3

Average Permeability Millidarcys

5.0

Average Percent Porosity

14.5

Average Percent Oil Saturation

33.8

Average Percent Water Saturation

48.5

Average Oil Content, Bbls./A. Ft.

377.

Total Oil Content, Bbls./Acre

10,658.

OILFIELD RESEARCH LABORATORIES

LOGName United Oil & Gas, Inc. Lease Stapleton Well No. A-4

<u>Depth Interval, Feet</u>	<u>Description</u>
1182.0 - 1202.1	Light brown and gray laminated sandstone and shale.
1202.1 - 1202.9	Gray sandy shale.
1202.9 - 1204.6	Light brown shaly sandstone.
1204.6 - 1208.8	Brown sandstone.
1208.8 - 1211.1	Light brown shaly sandstone.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company United Oil & Gas, Inc. Lease Stapleton Well No. A-4

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	1182.5	17.2	33	42	75	440	2.6	1.0	1.0	440	2.60
2	1183.4	12.6	42	50	92	411	Imp.	1.0	2.0	411	0.00
3	1184.6	11.3	38	50	88	333	Imp.	1.0	3.0	333	0.00
4	1185.6	10.5	27	65	92	220	Imp.	1.0	4.0	220	0.00
5	1186.4	10.4	33	61	94	266	Imp.	1.0	5.0	266	0.00
6	1187.4	12.8	40	52	92	397	Imp.	1.0	6.0	397	0.00
7	1188.5	13.3	40	47	87	413	Imp.	1.0	7.0	413	0.00
8	1189.3	16.1	26	44	70	325	2.1	1.0	8.0	325	2.10
9	1190.5	12.9	36	48	84	352	Imp.	1.0	9.0	352	0.00
10	1191.3	12.4	16	70	88	154	3.5	1.0	10.0	154	3.50
11	1192.3	13.5	42	41	83	440	1.5	1.0	11.0	440	1.50
12	1193.5	13.7	55	32	87	585	6.1	1.0	12.0	585	6.10
13	1194.7	14.3	48	39	87	533	0.69	1.0	13.0	533	0.69
14	1195.4	14.6	46	30	76	521	2.6	1.0	14.0	521	2.60
15	1196.5	13.8	21	55	76	225	0.52	1.0	15.0	225	0.52
16	1197.6	10.4	37	52	89	299	0.25	1.0	16.0	299	0.25
17	1198.4	14.8	32	44	76	367	2.8	1.0	17.0	367	2.80
18	1199.4	15.3	25	44	69	297	1.6	1.0	18.0	297	1.60
19	1200.5	14.7	43	39	82	490	2.2	1.0	19.0	490	2.20
20	1201.5	16.3	46	41	87	582	4.6	1.1	20.1	640	5.06
21	1203.4	10.0	36	52	88	279	Imp.	1.0	21.1	279	0.00
22	1204.4	16.5	28	45	73	358	4.3	0.7	21.8	251	3.01
23	1205.5	19.0	38	38	76	560	11.	1.2	23.0	672	13.20
24	1206.6	19.7	31	43	74	474	15.	1.0	24.0	474	15.00
25	1207.2	19.3	24	45	69	359	19.	1.0	25.0	359	19.00
26	1208.5	17.7	31	47	78	426	10.	1.0	26.0	426	10.00
27	1209.4	15.6	10	76	86	121	2.2	1.0	27.0	121	2.20
28	1210.5	16.6	22	63	85	283	4.2	1.3	28.3	368	7.10

Oilfield Research Laboratories

SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company		United Oil & Gas, Inc.		Lease		Stapleton		Well No.		A-4	
Depth Interval, Feet		Feet of Core Analyzed		Average Permeability, Millidarcys		Permeability Capacity, Ft. x Md.					
1182.0 - 1211.1		20.3		5.0		101.09					
Depth Interval, Feet		Feet of Core Analyzed		Average Percent Oil Saturation		Average Percent Water Saturation		Average Oil Content Bbl./A. Ft.		Total Oil Content Bbls./Acre	
1182.0 - 1211.1		28.3		33.8		48.5		377		10,658	