



OILFIELD RESEARCH LABORATORIES

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

January 27, 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 Enloe Lease, Well No. 7, Montgomery County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on January 21, 1981.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/tem

5 c to Coffeyville, Kansas

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company United Oil & Gas, Inc. Lease Enloe Well No. 7
 Location -
 Section 13 Twp. 35S Rge. 15E County Montgomery State Kansas

Elevation, Feet	
Name of Sand	Wayside
Top of Core	319.0
Bottom of Core	339.0
Top of Sand	319.0
Bottom of Sand	339.0
Total Feet of Permeable Sand	20.0

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 5	7.0	7.0
5 - 10	2.6	9.6
10 - 30	5.4	15.0
30 - 50	3.0	18.0
50 & Above	2.0	20.0

Average Permeability Millidarcys	35.0
Average Percent Porosity	17.6
Average Percent Oil Saturation	29.1
Average Percent Water Saturation	57.6
Average Oil Content, Bbls./A. Ft.	400.
Total Oil Content, Bbls./Acre	8,002.

OILFIELD RESEARCH LABORATORIES

LOGName United Oil & Gas, Inc. Lease Enloe Well No. 7

<u>Depth Interval, Feet</u>	<u>Description</u>
319.0 - 321.2	Brown slightly calcareous sandstone.
321.2 - 322.1	Brown slightly calcareous slightly shaly sandstone.
322.1 - 325.3	Light brown slightly calcareous sandstone.
325.3 - 325.9	Hard light brown calcareous sandstone.
325.9 - 331.9	Brown and gray laminated sandstone and shale.
331.9 - 332.8	Grayish light brown slightly calcareous sandstone.
332.8 - 334.2	Grayish light brown shaly sandstone.
334.2 - 338.3	Light brown slightly calcareous sandstone.
338.3 - 339.0	Gray slightly calcareous shaly sandstone.

Oilfield Research Laboratories
RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company United Oil & Gas, Incorporated Lease Enloe Well No. 7

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			Ft.	Cum. Ft.		
1	319.5	15.9	16	82	197	13.	1.0	1.0	197	13.00
2	320.5	19.7	30	53	459	27.	1.2	2.2	551	32.00
3	321.5	18.1	43	49	604	8.2	0.9	3.1	544	7.38
4	322.4	18.4	30	56	428	36.	1.0	4.1	428	36.00
5	323.5	19.6	16	64	243	52.	1.0	5.1	243	52.00
6	324.5	19.3	34	41	509	14.	1.2	6.3	611	16.80
7	325.6	15.1	38	37	445	2.0	0.6	6.9	267	1.20
8	326.5	11.9	30	61	277	1.4	1.0	7.9	277	1.40
9	327.5	17.6	22	71	300	4.7	1.0	8.9	300	4.70
10	328.5	21.0	40	39	652	13.	1.0	9.9	652	13.00
11	329.5	17.9	38	58	528	4.0	1.0	10.9	528	4.00
12	330.5	19.5	28	57	424	0.73	1.0	11.9	424	0.73
13	331.6	14.1	22	71	241	0.60	1.0	12.9	241	0.60
14	332.5	17.9	18	73	250	35.	0.9	13.8	225	31.50
15	333.6	15.2	31	65	366	0.22	1.4	15.2	512	0.31
16	334.5	21.3	34	43	562	23.	1.0	16.2	562	23.00
17	335.4	18.1	33	44	463	11.	1.0	17.2	463	11.00
18	336.6	14.9	21	64	243	56.	1.0	18.2	243	56.00
19	337.5	18.1	31	56	435	39.	1.1	19.3	478	42.90
20	338.7	16.8	28	63	365	6.0	0.7	20.0	256	4.20

Oilfield Research Laboratories

SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	United Oil & Gas, Incorporated	Lease	Enloe	Well No.	7
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
319.0 - 339.0	20.0	35.0	699.24		
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Water Saturation	Total Oil Content Bbls./Acre
319.0 - 339.0	20.0	17.6	29.1	57.6	8,002