

OILFIELD RESEARCH LABORATORIES

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- REGISTERED ENGINEERS -

Chanute, Kansas

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September 7, 1957

Creek Oil & Gas Company, Inc.
P. O. Box 377
Chanute, Kansas

Gentlemen:

Enclosed herewith are the results of saturation tests run on the 3" Rotary core taken from the Wells Lease, Well No. 7, Neosho County, Kansas, and submitted to our laboratory by Mr. Larry Smith and Mr. Jack McKelvey on September 2, 1957.

This core was sampled and the samples sealed in cans by a representative of the Creek Oil & Gas Company, Inc.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. McElrea
Carl L. McElrea

CLM:cb

4 c.c.

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Creek Oil & Gas Company, Inc. Lease Wells Well No. 7

Location _____

Section 27 Twp. 28S Rge. 18E County Neosho State Kansas

Name of Sand - - - - - Bartlesville

Top of Core - - - - - 796.1

Bottom of Core - - - - - 840.0

Top of ^{Good} Sand - - - - - 815.8

Bottom of Sand - - - - - 828.3

Total Feet of Permeable Sand - - - - - -

Total Feet of Floodable Sand - - - - - -

Distribution of Permeable Sand:
Permeability Range Feet Cum. Ft.
Millidarcys

Average Permeability Millidarcys - - - - - -

Average Percent Porosity - - - - - 17.7

Average Percent Oil Saturation - - - - - 34.4

Average Percent Water Saturation - - - - - 35.8

Average Oil Content, Bbls./A. Ft. - - - - - 483.

Total Oil Content, Bbls./Acre - - - - - 12,769.

Average Percent Oil Recovery by Laboratory Flooding Tests - - - - -

Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft. - - - - -

Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre - - - - -

Total Calculated Oil Recovery, Bbls./Acre - - - - -

Packer Setting, Feet - - - - -

Viscosity, Centipoises @ - - - - -

A. P. I. Gravity, degrees @ 60 °F - - - - -

Elevation, Feet - - - - -

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LOGCompany Creek Oil & Gas Company, Inc. Lease Wells Well No. 7

Depth Interval, Description
<u>Feet</u>

796.1 - 799.0 - Gray finely laminated sandy shale.
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799.0 - 801.9 - Brown and gray finely laminated shaley sandstone.

801.9 - 815.8 - Alternate layers of brown sandstone and shale.
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815.8 - 818.8 - Dark brown fine grained micaceous sandstone.
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818.8 - 819.1 - Laminated sandstone and shale.
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819.1 - 822.6 - Dark brown fine grained micaceous sandstone.
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822.6 - 828.3 - Brown to dark fine grained slightly laminated micaceous shaley sandstone.

828.3 - 840.0 - Alternate layers of carbonaceous sandstone and shale.

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RESULTS OF SATURATION TESTS

TABLE II

Company Creek Oil & Gas Company, Inc. Lease Wells Well No. 7

Sat. No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbls./A. Ft.	Feet of Core		Total Oil Content Bbls./Acre
			Oil	Water	Total		Ft.	Cum. Ft.	
1	802.0	14.9	22	40	62	254	0.6	0.6	152
2	803.0	18.1	35	28	63	492	1.0	1.6	492
3	804.0	13.3	20	54	74	206	1.0	2.6	206
4	805.0	14.1	34	52	86	372	1.0	3.6	372
5	806.2	14.6	31	49	80	352	1.0	4.6	352
6	807.4	17.1	30	30	60	398	1.2	5.8	477
7	808.0	19.0	41	31	72	605	0.8	6.6	484
8	809.0	12.3	28	56	84	268	1.0	7.6	268
9	810.0	18.3	36	29	65	511	1.0	8.6	511
10	811.0	15.1	32	40	72	375	1.0	9.6	375
11	812.0	17.2	41	28	69	548	1.0	10.6	548
12	813.0	16.9	29	32	61	380	1.0	11.6	380
13	814.0	13.2	33	39	72	338	1.0	12.6	338
14	815.0	13.4	27	46	73	281	1.3	13.9	366
15	816.0	21.7	49	24	73	825	0.7	14.6	577
16	817.0	20.3	44	31	75	694	1.0	15.6	694
17	818.0	21.5	39	27	66	651	1.3	16.9	846
18	819.0	14.1	26	56	82	284	0.3	17.2	85
19	820.0	22.1	44	27	71	755	1.4	18.6	1,058
20	821.0	22.2	35	26	61	603	1.0	19.6	603
21	822.0	22.6	38	32	70	667	1.1	20.7	734
22	823.0	16.6	33	32	65	425	0.9	21.6	382
23	824.0	17.3	42	44	86	564	1.0	22.6	564
24	825.0	19.9	37	35	72	571	1.0	23.6	571
25	826.0	19.9	31	31	62	479	1.0	24.6	479
26	827.0	18.7	27	36	63	392	1.0	25.6	392
27	828.0	19.6	38	26	64	579	0.8	26.4	463
							Total	- - - - -	12,769

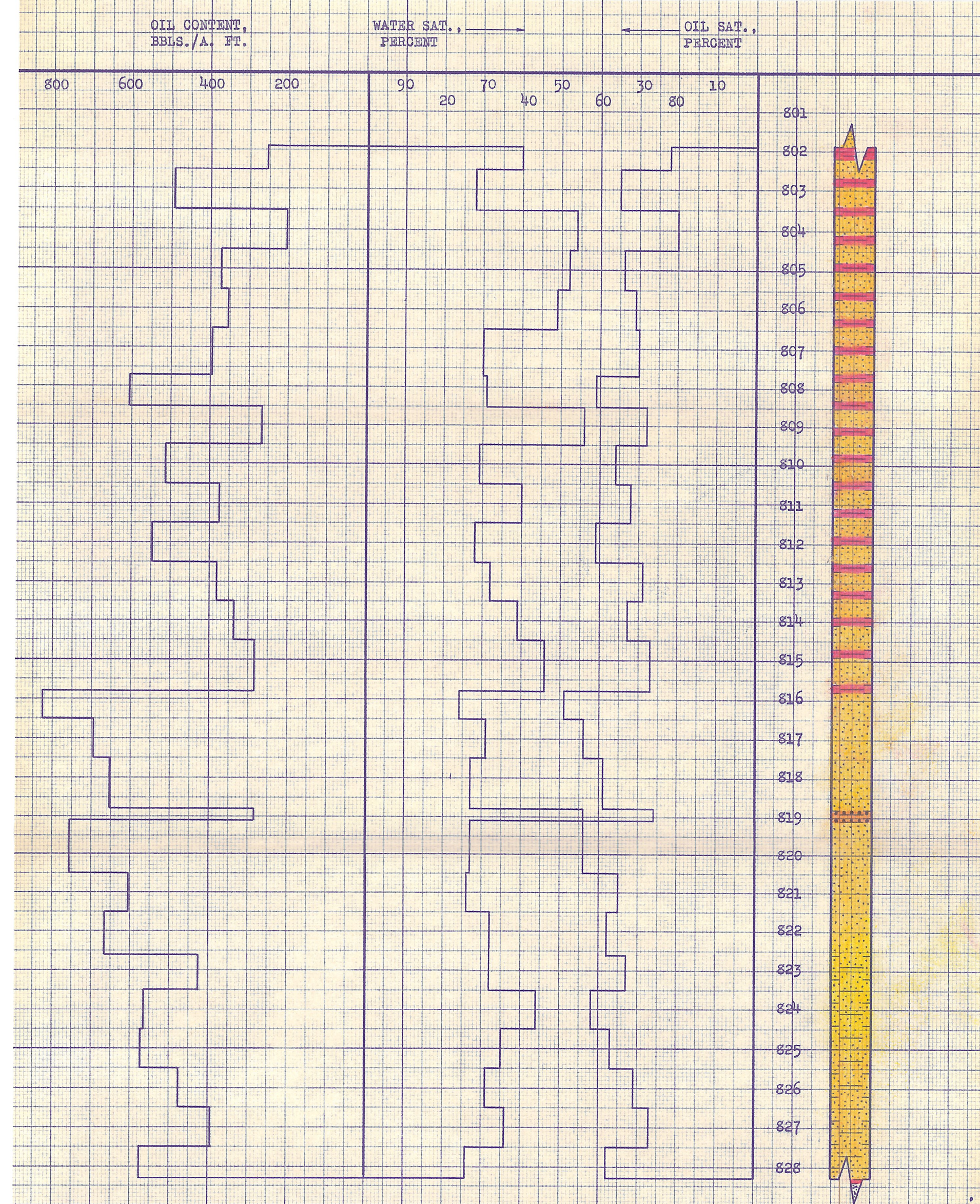
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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Creek Oil & Gas Company, Inc. Lease Wells Well No. 7

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.			
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
801.9 - 815.8	13.9	15.5	31.4	39.7	383	5,321
815.8 - 828.3	12.5	20.2	37.8	31.6	595	7,448
801.9 - 828.3	26.4	17.7	34.4	35.8	483	12,769



KEY:

	SANDSTONE		ALTERNATE LAYERS OF SANDSTONE AND SHALE
	SHALEY SANDSTONE		LAMINATED SANDSTONE AND SHALE
	ALTERNATE LAYERS OF CARBONACEOUS SANDSTONE AND SHALE		

CREEK OIL & GAS COMPANY, INCORPORATED

WELLS LEASE

NEOSHO COUNTY, KANSAS

WELL NO. 7

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY, PERCENT	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVG. OIL CONTENT BBLs./A. FT.	TOTAL OIL CONTENT BBLs./ACRE
801.9 - 815.8	13.9	15.5	31.4	39.7	383	5,321
815.8 - 828.3	12.5	20.2	37.8	31.6	595	7,448
801.9 - 828.3	26.4	17.7	34.4	35.8	483	12,769

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CHANUTE, KANSAS
SEPTEMBER, 1957