

OILFIELD RESEARCH LABORATORIES

- REGISTERED ENGINEERS -

700 NORTH MISSION
OKMULGEE, OKLAHOMA
PHONE: 4444

Chanute, Kansas

536 N. HIGHLAND
CHANUTE, KANSAS
PHONE: HE 1-2650

November 18, 1961

Mack C. Colt
Iola, Kansas

Dear Sir:

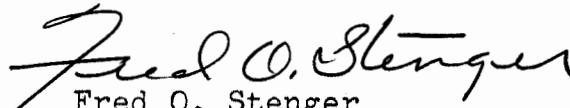
Attached hereto are the results of tests run on the Rotary core samples taken from the Stewart-Holeman Lease, Well No. 21-AO, Allen County, Kansas, and submitted to our laboratory on November 14, 1961.

This core was sampled and the samples sealed in cans by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Fred O. Stenger

FOS:rf

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GENERAL INFORMATION & SUMMARY

Company	Mack C. Colt K-B		Lease	Stewart-Holeman		Well No.	21-AO
Location	654' South of North line & 1350' East of West line SE ¹						
Section	22	Twp.	24S	Rge.	21E	County	Allen State Kansas
Name of Sand							Bartlesville
Top of Core	(Received)						685.7
Bottom of Core	(Received)						706.3
Top of Sand							?
Bottom of Sand							?
Total Feet of Effective Permeable Sand	(Analyzed)						2.8
Total Feet of Floodable Sand							-
Distribution of Permeable Sand:							
Permeability Range			Feet			Cum. Ft.	
Millidarcys							
Average Permeability Millidarcys (Effective)							
						5.7	
Average Percent Porosity							
Average Percent Oil Saturation							
Average Percent Water Saturation							
Average Oil Content, Bbls./A. Ft.							
Total Oil Content, Bbls./Acre							
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						1098.4	

LOGCompany Mack C. Colt Lease Stewart-Holeman Well No. 21-A

Depth Interval, Feet	Description
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685.7 - 686.0	- Light brown sandstone.
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686.0 - 687.3	- Core not received.
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687.3 - 687.6	- Light brown sandstone.
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687.6 - 690.0	- Core not received.
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690.0 - 690.3	- Light brown sandstone.
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690.3 - 691.7	- Core not received.
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691.7 - 692.0	- Light brown sandstone.
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692.0 - 695.0	- Core not received.
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695.0 - 695.3	- Brown sandstone.
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695.3 - 697.0	- Core not received.
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697.0 - 697.3	- Brown sandstone.
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697.3 - 699.7	- Core not received.
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699.7 - 700.0	- Dark sandstone.
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700.0 - 702.0	- Core not received.
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702.0 - 702.3	- Dark sandstone.
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702.3 - 704.3	- Core not received.
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704.3 - 704.6	- Dark sandstone.
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704.6 - 706.0	- Core not received.
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706.0 - 706.3	- Dark sandstone.
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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Mack C. Colt Lease Stewart-Holeman Well No. 21-AO

(Effective) (Effective)

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	685.9	18.7	6	89	95	87	37.	0.6	0.6	52	22.20
2	687.5	20.9	18	73	91	292	77.	0.7	1.3	245	53.90
3	690.1	26.0	11	73	84	222	116.	0.3	1.6	67	34.80
4	691.9	25.4	15	78	93	296	82.	0.3	1.9	89	24.75
5	695.1	23.8	33	60	93	609	63.5	0.3	2.2	183	19.05
6	697.1	30.6	22	58	80	524	16.29	0.3	2.5	157	4.89
7	699.8	26.7	53	28	81	1100	0.400	0.3	2.8	330	0.12
8	702.1	20.5	74	19	93	1179	Imp.	0.3	3.1	354	0.00
9	704.5	23.5	70	11	81	1279	Imp.	0.3	3.4	384	0.00
10	706.1	20.0	69	17	86	1071	Imp.	0.3	3.7	321	0.00
								Total	-----	2,182	