

28-24-21E

September 16, 1952



Mr. M. C. Colt, K.B. Project
Iola, Kansas

Dear Sir:

Attached hereto are the results of effective permeability tests made on the Cable Tool core taken from your Lent Lease, Well No. 2-A, Allen County, Kansas and submitted to our laboratory on September 12, 1952.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:cr

c.c.

Lent 2-A

1093.6

TWP 243 RGE 21E SEC 28

LOGCompany M. G. Colt, K.B. Project Lease Lent Well No. 2-A

<u>Depth Interval, Feet</u>	<u>Description</u>
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701.60 - 705.90	- Cavings, gray shale.
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705.90 - 709.50	- Gray shale.
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709.50 - 718.00	- Gray sandy shale.
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718.00 - 718.60	- Brown fine grained micaceous sandstone.
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718.60 - 719.00	- Brown fine grained micaceous calcareous sandstone.
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719.00 - 720.20	- Brown fine grained micaceous sandstone.
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720.20 - 722.80	- Dark brown fine grained micaceous sandstone.
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722.80 - 725.60	- Brown fine grained micaceous sandstone.
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725.60 - 727.60	- Loss.
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727.60 - 730.30	- Brown fine grained micaceous sandstone.
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730.30 - 731.10	- Dark fine grained micaceous sandstone.
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731.10 - 731.80	- Gray shale.
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731.80 - 733.20	- Gray sandy shale.
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733.20 - 733.60	- Coal.
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733.60 - 734.60	- Loss.
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SHOT RECOMMENDATION

Company M. C. Colt, K.B. Project Lease Lent Well No. 2-A

Depth Interval, Feet	Feet of Sand	Size of Shell Inches	Qts./Ft.	Total Quarts
724.0 - 730.0	6.0	4.0	2.5	15.0

Recommended Packer Setting 720.5 feet.

Note: Plug hole back to 731.0 feet.

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RESULTS OF PERMEABILITY AND POROSITY TESTS

TABLE I A

Company M. C. Colt, K.B. Project Lease Lent Well No. 2-A

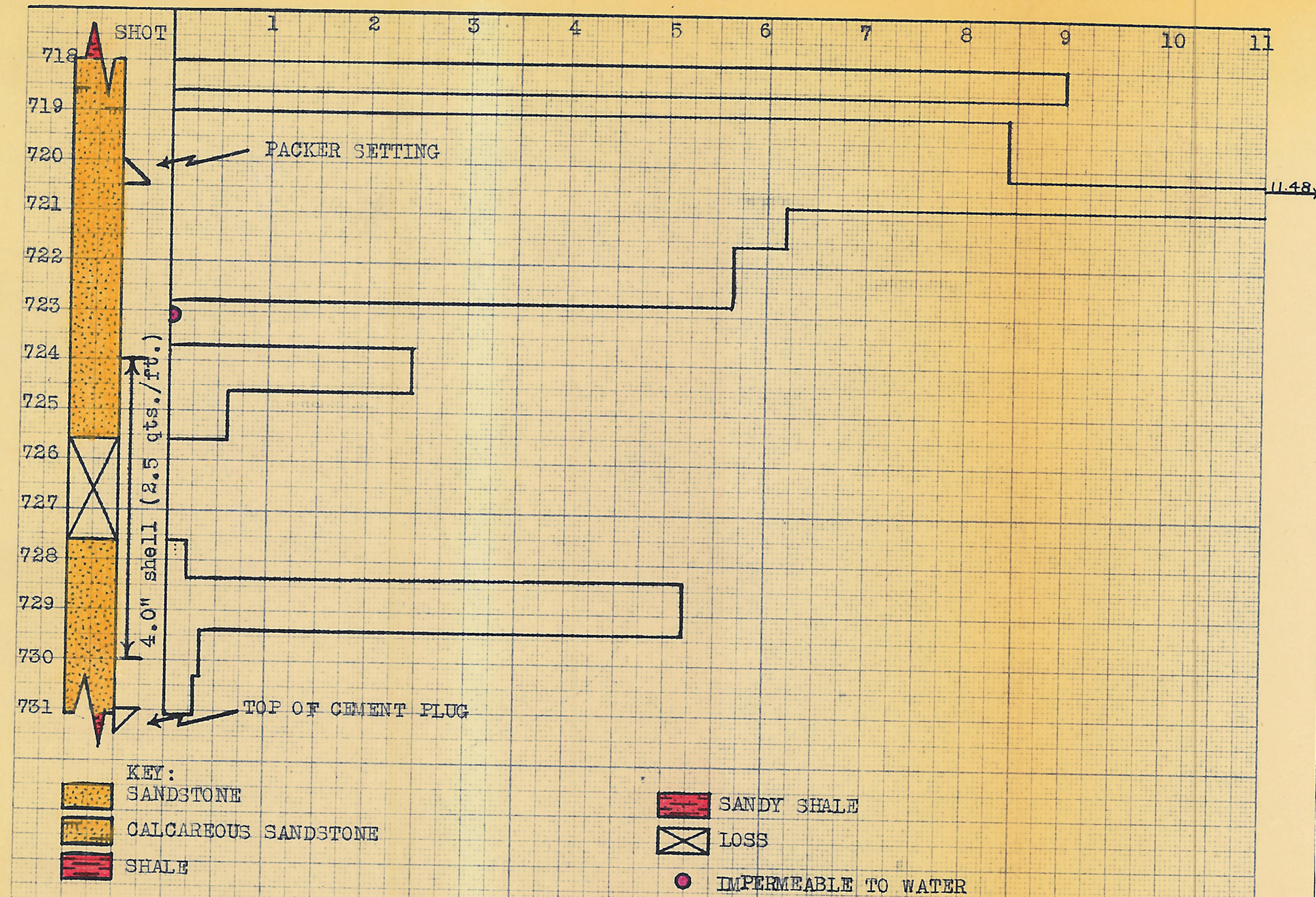
Sample No.	Depth, Feet	Effective Permeability Millidarcys	Feet of Core		Permeability Capacity Ft. x Md.	Percent Porosity
			Ft.	Cum. Ft.		
1	718.05	9.00	0.60	0.60		
2	719.10	8.43	1.20	1.80		
3	720.30	11.48	0.60	2.40		
4	721.20	6.18	0.80	3.20		
5	722.00	5.65	1.20	4.40		
6	723.10	Imp.	0.90	5.30		
7	724.20	2.44	0.90	6.20		
8	725.00	0.595	1.00	7.20		
9	727.70	0.172	0.75	7.95		
10	728.95	5.18	1.05	9.00		
11	729.80	0.342	0.90	9.90		
12	730.80	0.280	0.80	10.70		

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SUMMARY OF PERMEABILITY & POROSITY TESTS

TABLE II A

Company	M. C. Colt, K.B. Project				Lease	Lent		Well No.	2-A
Depth Interval, Feet	Feet of Core Analyzed	Average Air Permeability, Millidarcys	Average Effective Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Average Percent Porosity				
718.00 - 731.10	9.80	-	4.39	-	-				



M. C. COLT, K. B. PROJECT
 LENT LEASE WELL NO. 2-A
 ALLEN COUNTY, KANSAS

OILFIELD RESEARCH LABORATORIES
 CHANUTE, KANSAS
 SEPTEMBER 16, 1952