

August 21, 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 the Grubaugh Lease, Well No. 6-A, Allen County, Kansas, and submitted to our laboratory on August 12, 1952.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:mmm

c.c.

27-24-21E

Grubaugh 6-A

TWP 24S RGE 21E SEC 27

OILFIELD RESEARCH LABORATORIES
LOG

Company M. C. Colt, K.B. Project Lease Grubaugh Well No. 6-A

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
708.00 - 709.00	- Gray fine grained micaceous sandstone.
709.00 - 712.70	- Laminated sandstone and shale.
712.70 - 715.00	- Cuttings - shale.
715.00 - 722.60	- Gray shale.
722.60 - 723.80	- Dark fine grained micaceous sandstone.
723.80 - 724.80	- Dark fine grained micaceous carbonaceous sandstone.
724.80 - 728.20	- Gray sandy shale.
728.20 - 729.75	- Gray shale.
729.75 - 730.50	- Brown fine grained micaceous sandstone.
730.50 - 732.55	- Dark brown fine grained micaceous sandstone.
732.55 - 732.65	- Gray shale.
732.65 - 733.30	- Brown fine grained micaceous sandstone.
733.30 - 735.00	- Dark brown to dark fine grained micaceous sandstone.
735.00 - 736.20	- Coal.
736.20 - 737.50	- Cuttings - shale.

Oil Field Research Laboratories

SHOT RECOMMENDATION

Company M. G. Colt, K.B. Project Lease Grubaugh Well No. 6-A

<u>Depth Interval, Feet</u>	<u>Feet of Sand</u>	<u>Size of Shell Inches</u>	<u>Qts./Ft.</u>	<u>Total Quarts</u>
731.0 - 734.0	3.0	4.0	2.5	7.5

Recommended Packer Setting - Top of Shot-hole.

Note: Plug hole back to - - 735.0 feet.

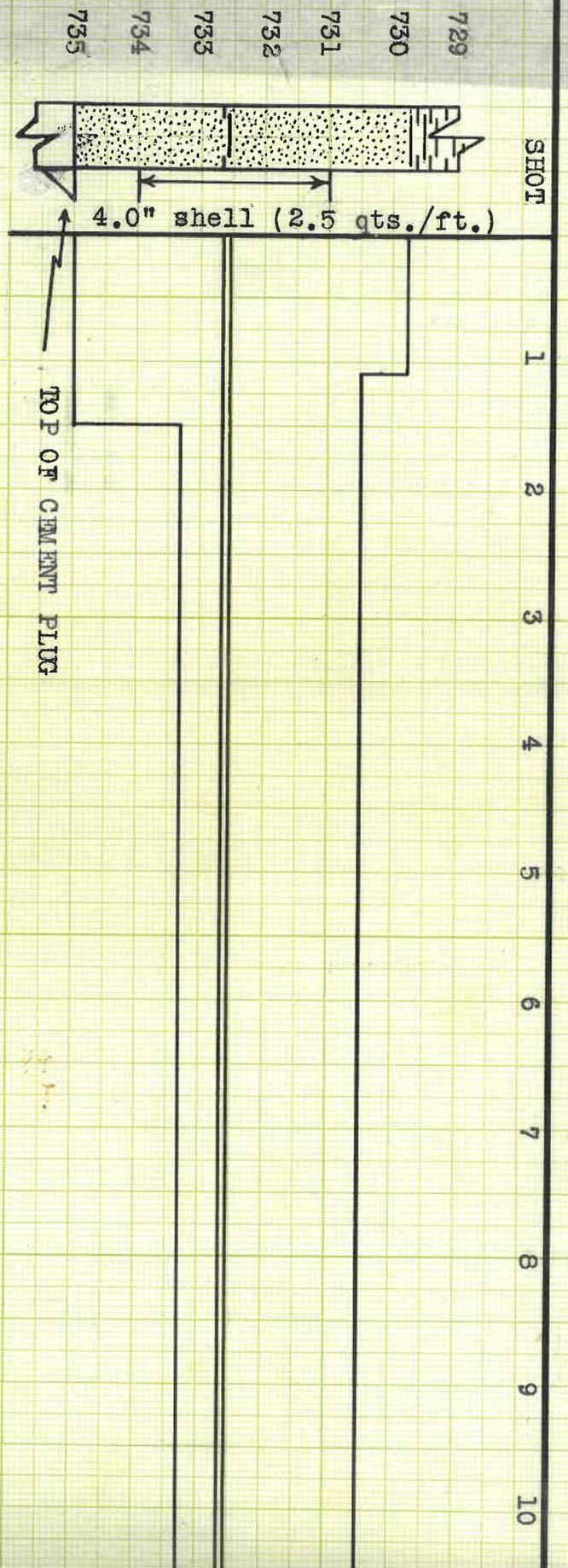
Oil Field Research Laboratories
RESULTS OF PERMEABILITY AND POROSITY TESTS
TABLE I A

Company M. C. Colt Lease Grubaugh Well No. 6-A

Sample No.	Depth, Feet	Effective Permeability Millidarcys	Feet of Core		Permeability Capacity Ft. x Md.	Percent Porosity
			Ft.	Cum. Ft.		
1	730.15	1.08	0.75	0.75		
2	731.05	15.63	1.00	1.75		
3	732.05	22.45	1.05	2.80		
4	733.05	15.90	0.65	3.45		
5	734.25	1.48	1.70	5.15		

SUMMARY OF PERMEABILITY TESTSTABLE IIA

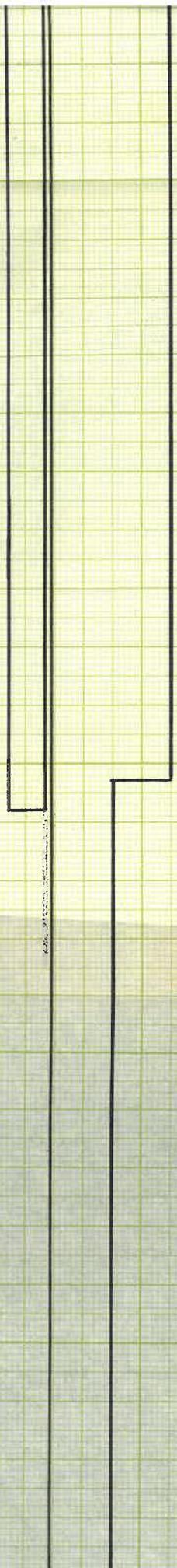
Company	<u>M. C. Colt</u>	Lease	<u>Grubaugh</u>	Well No.	<u>6-A</u>
Depth Interval, Feet		Feet of Core Analyzed		Average Effective Permeability Millidarcys	
<u>729.75 - 735.00</u>		<u>5.15</u>		<u>10.26</u>	



KEY:
SHALE

M.C.
GRUBAUGH LEASE
ALIEN COI

9 10 11 12 13 14 15 16 17 18 19 20 21 22



COAL



SANDSTONE

M.C. COLT

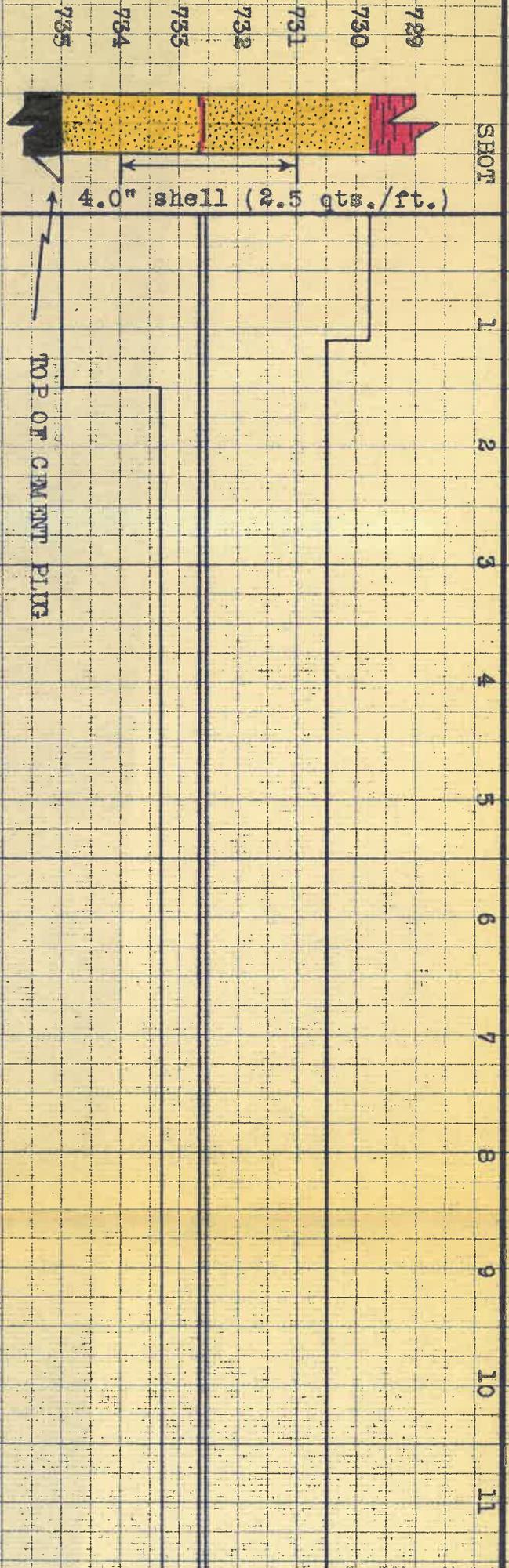
UGH LEASE

WELL NO. 6-A

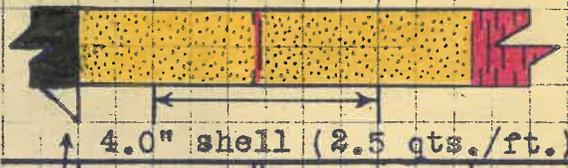
ALIEN COUNTY, KANSAS

OILFIELD RESEARCH LABORATORIES
 CHANUTE, KANSAS
 AUGUST 21, 1952

EFFECTIVE PERMEABILITY, IN MILLIDARCYs



729
730
731
732
733
734
735

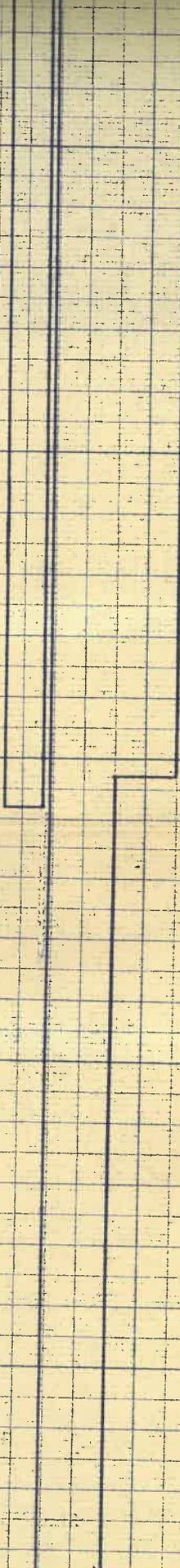


TOP OF CEMENT PLUG

KEY:
 SHALE
 COAL

M.C. COLT
 CRUBAUGH LEASE
 ALLEN COUNTY, KAN

8 9 10 11 12 13 14 15 16 17 18 19 20 21 22



Y:
 ALE [black box] COAL [black box]
 SANDSTONE [dotted box]

M.C. COLT

GRUBBAGE LEASE
 WELL NO. 6-A
 ALLEN COUNTY, KANSAS

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 CHANDLER, KANSAS
 AUGUST 21, 1952