

32-22-21E

**GEOLOGIC STANDARDS COMPANY**

**RESULTS OF SATURATION TESTS**

COMPANY M. W. Shriver

WELL Cooper, Richard & Frost W-10

Sat. No.	Depth Feet	Porosity Per Cent	PER CENT SAT.			Avg. Oil Content Bbls./A. Ft.	FT. OF SAND		Total Oil Content Bbls./Acre
			Oil	Water	Total		Ft.	Cum.	
1	755.3	18.5	34.	35.	69.	480.	0.7	0.7	340.
F- 1	756.1	16.1	33.	-	-	410.	0.3	1.0	120.
2	763.7	16.8	30.	31.	61.	390.	0.3	1.3	120.
F- 2	764.0	16.6	36.	-	-	470.	0.3	1.6	140.

**SUMMARY**

DEPTH FEET		FEET OF SAND	AVG. POROSITY	AVG. OIL SAT.	AVG. WATER SAT.	AVG. OIL CONTENT BBLs./A. FT.	TOTAL OIL CONTENT BBLs./ACRE
FROM	TO						
754.9	764.1	1.6	17.4	33.	33.	450.	720.

# GEOLOGIC STANDARDS COMPANY

## RESULTS OF PERMEABILITY TESTS

COMPANY M. W. Shriver

WELL Cooper, Richart & Frost No. W-10

Sample No.	Depth Feet	Permeability Millidarcys	FEET OF SAND		Capacity Ft. X Md.	Sample No.	Depth Feet	Permeability Millidarcys	FEET OF SAND		Capacity Ft. X Md.
			Ft.	Cum. Ft.					Ft.	Cum. Ft.	
A	754.5	crumbled	0.1*		-						
B	755.1	cracked	0.7	0.7	-						
C	756.1	0.5	0.3	1.0	0.5						
D	763.8	8.4	0.4	1.4	3.4						
E	764.1	5.9	0.2	1.6	1.2						
					<u>5.1</u>						

\*Not included in cumulative feet of sand.

### SUMMARY

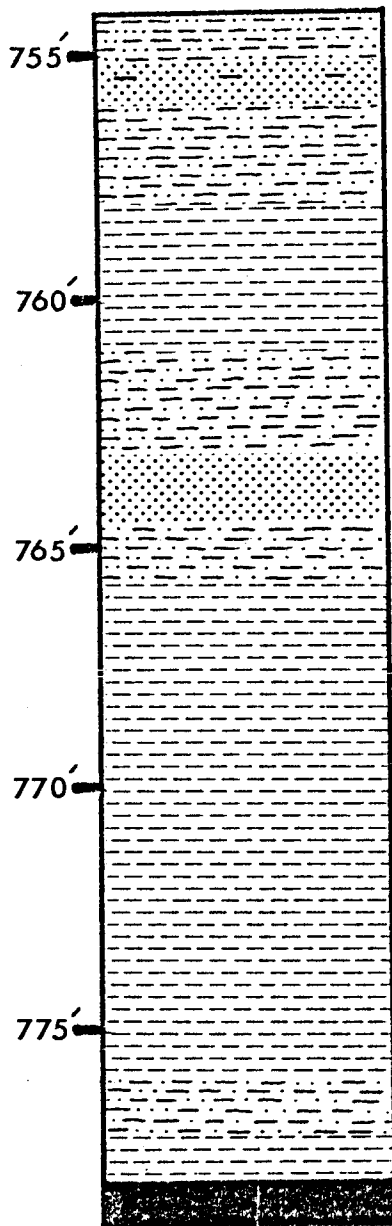
FROM	<u>DEPTH FEET</u>	TO	FEET OF SAND	AVERAGE PERMEABILITY	CAPACITY FT. X MD.
754.9	764.1		1.6	3.2	5.1

Richard Eng. W-10-Cooper-Richart-Frost

NW SE NW 32-22-21E

elev. 1022'

Depths:



Shy. gy. sltst.

V. fn.-Gr. brn. ss. w/sh. ptgs.

Interbed. sh. & sltst. w/thin sid. layers &  
some sh. pebs.

Mas. gy. sh. w/few sid. layers

760'

Sltly. sh. w/few sid. layers

Brn. fn.-gr. carb. ss.

765'

Sltly. sh. w/few carb. plant frag's.

Mas. gy. sh.

770'

775'

Sltly. gy. sh. w/much carb. plant mat.

Mas. hard foss. sh. w/orbiculoid brach's. & conodonts.

Coal



GEOLOGIC STANDARDS COMPANY  
CORE SUMMARY

Company M. W. Shriver Lease Cooper, Richart & Frost Well No. W-10

Location 1065. ft. N., 1135. ft. W. of center

Section 32 Twp. 22-S. Rge. 21-E. County Anderson State Kansas

Formation Cored Bartlesville Sand Type Core Rotary, two-inch

Date Cored 4-12-46 Date Shot \_\_\_\_\_ Date Completed \_\_\_\_\_

Depths:	Elevation	1021.8 ft.
	Started coring, shale	754.0 "
	Top of sand section	755.0 "
	Bottom of sand section	764.1 "
	Ft. of sand	1.6 "
	Coal	778.6 - 779.4 "
	Bottom of core, shale	782.0 "
	Total cored	28.0 "
	Ft. analyzed	1.6 "

Shot Record: None Set Packer \_\_\_\_\_ Feet

Depth, Feet		Shell Diameter	Quarts Per Foot	Total Quarts
From	To			

Completion Data: **Well Plugged and Abandoned.**

Hrs. well stood after coring \_\_\_\_\_; Feet Fluid in Hole \_\_\_\_\_ (Oil \_\_\_\_\_ Water \_\_\_\_\_)

Clean-out time, hrs. \_\_\_\_\_; Initial production, bbls. day \_\_\_\_\_ (Oil \_\_\_\_\_ Water \_\_\_\_\_)

Remarks: **The 1.6 ft. of sand in this core is non-floodable, micaceous sand and the well was plugged and abandoned.**

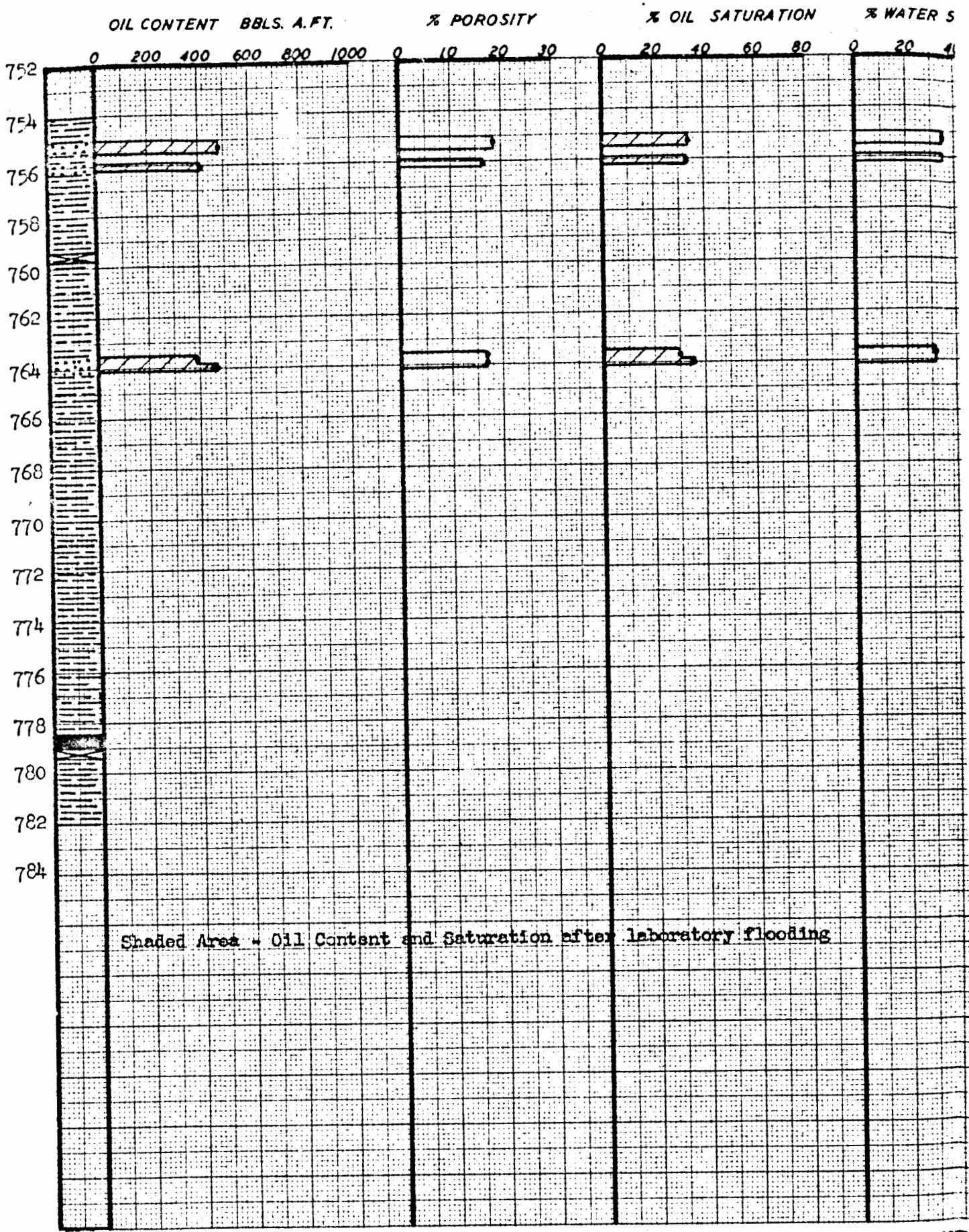
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COMPANY

Sample No.

WELL

WELL\*



Shaded Area - Oil Content and Saturation after laboratory flooding

WELL PLUGGED AND

DEPTH FEET FROM	DEPTH FEET TO	FEET OF SAND	AVERAGE POROSITY	AVG. OIL SATURATION	AVG. WATER SATURATION	AVG. OIL CONTENT BBLs./A.F.T.	TOTAL OIL CONTENT BBLs./ACRE
754.9	764.1	1.6	17.4	33.	33.	450.	720.

SATURATION

PERMEABILITY, MILLIDARCY

SHOT, QTS. FT.

40 60 80

20 40 60 80 100 120 140 160 180 200 220 240 260

6 4 2 0

752

754

756

758

760

762

764

766

768

770

772

774

776

778

780

782

784

ABANDONED

COMPANY M. W. SHRIVER

AVERAGE PERMEABILITY CAPACITY FT. X MD.

3.2 5.1

LEASE COOPER, RICHART WELL NO. W-10

AND FROST GEOLOGIC STANDARDS CO. TULSA OKLA.

DATE: 4-23-46