

LION OIL REFINING COMPANY

Toland Well No. 1

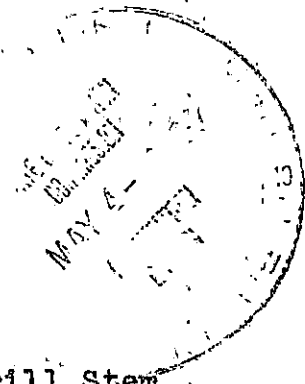
Center NW/4, SE/4 Sec. 10, Twp. 25S, Rge 12W.
Stafford County, Kansas

Contractor: The R. W. Rine Drilling Company

Commenced: April 3, 1943; Completed: April 27, 1943

LOG

Sand & Shale	Top- 240	
Red Bed	830	8 5/8 casing cemented at 330'
Anhydrite	910	
Red Beds & Shale	1490	
Shale	1510	
Shale & Sandy Lime	1775	Top Lansing Lime..... 3679'
Lime & Shale	1950	Top Mississippi Lime... 4034
Lime	2040	Top Viola Lime..... 4143
Shale	2080	Top Simpson Sand..... 4296
Sandy Lime	2130	Top Arbuckle Lime..... 4359
Lime	2290	
Shale & Lime	2365	
Shale	2777	
Lime	2810	
Shale	2900	
Shale & Lime	2990	
Shale	3075	
Lime & Shale	3300	
Lime	3340	
Lime & Shale	3438	
Lime	3485	
Lime & Shale	3628	
Shale	3690	Halliburton Drill Stem
		Test @..... 3853
Lime	4035	Drill pipe stuck-no test
Lime & Chert	4062	
Chert	4069	
Lime & Shale	4102	
Shale	4122	
Lime & Shale	4151	
Lime & Chert	4197	
Chert	4277	
Shale	4305	
Lime & Shale	4345	
Lime & Chert	4374	
Lime	4464	Total Depth - 4464
		Dry Hole - Plugged & Abandoned.



10 25 14W
72 2

State of Kansas) ss.
County of Barton)

I, C. H. Todd, do hereby certify that the above is a true and correct copy of the log of Toland Well No. 1 located in the Center of NW/4 of SE/4 of Section 10, Township 25S, Range 12W, Stafford County, Kansas.

C. H. Todd

Sworn to and subscribed before me this 30 day of April, 1943.

Chas. Schreiner

(Notary Public)

My commission expires April 5-1947.