



THE RUSO DRILLING COMPANY

DRILLER'S LOG

PISTON No. 1

G 2/4-SR-NE Sec. 1, 283-4W,  
Sedgwick County, Kansas.

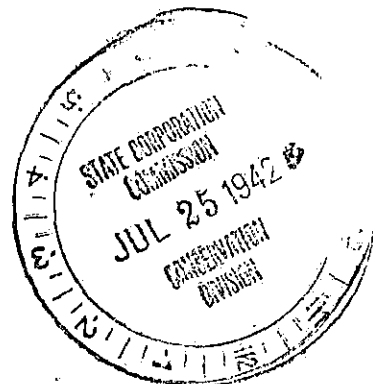
15-173-05553-0000

Drilling commenced-6/20/42  
Drilling completed-7/16/42

Elevation- 1438'  
Production - Dry  
Total Depth - 4349'

FORMATION	TOP	BOTTOM	DRILL TIME PER FOOT	REMARKS
Sand	0	60		
Clay	60	100		
Gray shale	100	225		
Shale	225	288		Ran 100' 10 1/2" casing cemented with 100 lbs cement
Shale & shells	288	575		
Salt & shale	575	690		
Lime & shale	690	880		
Shale	880	1115		
Sand	1115	1140		
Shale	1140	1175		
Lime	1175	1200		
Shale	1200	1340		
Broken Lime	1340	1490		
Lime	1490	1700		
Shale	1700	1885		
Lime	1885	1985		
Lime & shale	1985	2035	6 Min. per Ft.	
Lime	2035	2230	3 Min. Per Ft.	from 2030 - 2160, 6 Min. 2160-2230
Shale	2230	2300	6 Min. per Ft.	
Lime	2300	2350	6 1/2 Min. per Ft.	
Lime	2350	2370	3 Min. per Ft.	
Lime	2370	2430	6 Min. per Ft.	
Shale	2430	2460	7 Min. per Ft.	
Lime	2460	2490	6 Min per Ft.	
Shale	2490	2506	6 Min. per Ft.	
Shale	2506	2507	10 Min. per Ft.	
Shale	2507	2509	14 Min. per Ft.	
Shale	2509	2539	9 Min. per Ft.	
Shale	2539	2544	5 Min. per Ft.	
Shale	2544	2569	4 Min. per Ft.	
Shale	2569	2581	6 Min. per Ft.	
Shale	2581	2585	5 Min. per Ft.	
Lime-soft	2585	2617	3 Min. per Ft.	
Lime	2617	2627	14 Min. per Ft.	
Lime	2627	2654	6 Min. per Ft.	
Shale	2654	2710	4 Min. per Ft.	
Lime	2710	2730	4 Min. per Ft.	
Shale & shells	2730	2790	5 Min. per Ft.	
Shale & shells	2790	2870	7 Min. per Ft.	
Shale	2870	2878	10 Min. per Ft.	
Shale	2878	2882	6 Min. per Ft.	
Shale	2882	2888	8 Min. per Ft.	
Shale	2888	2919	8 Min. per Ft.	
Lime	2919	2925	7 Min. per Ft.	
Lime	2925	2939	4 Min. per Ft.	
Lime	2939	2946	8 Min. per Ft.	
Lime	2946	2950	9 1/2 Min. per Ft.	
Lime	2950	2985	11 Min. per Ft.	
Lime	2985	2991	6 Min. per Ft.	(Circulated 77 Min. 2991)
Lime	2991	2993	6 Min. per Ft.	
Lime	2993	2995	11 Min. per Ft.	
Lime	2995	3003	8 Min. per Ft.	
Lime	3003	3005	4 Min. per Ft.	
Lime	3005	3025	9 Min. per Ft.	
Lime	3025	3078	8 Min. per Ft.	
Lime	3078	3100	12 Min. per Ft.	
Lime	3100	3106	7 Min. per Ft.	
Lime	3106	3125	8 Min. per Ft.	
Lime - broken	3125	3144	10 Min. per Ft.	
Lime "	3144	3159	9 Min. per Ft.	
Lime "	3159	3160	7 Min. per Ft.	
Sandy lime	3160	3171	7 Min. per Ft.	
Sandy lime				

DRILLING  
FILE 1 28-4E  
BOOK 44 33



FORMATION	TOP	BOTTOM	DR'LO TIME PER FOOT	REMARKS
Sandy lime	3171	3187	10 Min. per Ft.	
Lime	3187	3194	8 Min. per Ft.	
Lime	3194	3200	18 Min. per Ft.	
Lime	3200	3201	8 Min. per Ft.	
Lime	3201	3202	4 Min. per Ft.	
Lime	3202	3204	6 Min. per Ft.	Circulated 2 1/2 Hrs. 3202
Lime	3204	3205	3 Min. per Ft.	Circulated 1 1/2 Hrs. 3205
Lime	3205	3216		Cored 3205-3216-117t recovery
Lime	3216	3232	6 Min. per Ft.	
Lime	3232	3248	10 Min. per Ft.	
Lime	3248	3261	8 Min. per Ft.	
Lime	3261	3266	12 Min. per Ft.	
Lime	3266	3273	7 Min. per Ft.	
Lime	3273	3294	12 Min. per Ft.	
Lime	3294	3306	7 Min. per Ft.	
Lime	3306	3329	10 Min. per Ft.	
Lime-soft	3329	3352	4 Min. per Ft.	Circulated 50 Min. 3335
Lime-hard	3352	3353	15 Min. per Ft.	Circulated 1 Hr. 3353
Lime-hard	3353	3368	10 Min. per Ft.	
Shale	3368	3420	13 Min. per Ft.	
Shale	3420	3432	8 Min. per Ft.	
Shale	3432	3475	12 Min. per Ft.	
Shale	3475	3483	13 Min. per Ft.	
Shale	3483	3494	16 Min. per Ft.	
Shale	3494	3500	18 Min. per Ft.	
Shale	3500	3511	8 Min. per Ft.	
Shale	3511	3513	10 Min. per Ft.	
Shale	3513	3545	12 Min. per Ft.	
Shale	3545	3627	15 Min. per Ft.	
Shale	3627	3642	20 Min. per Ft.	
Shale	3642	3700	7 Min. per Ft.	
Shale	3700	3712	6 Min. per Ft.	
Shale	3712	3727	8 Min. per Ft.	
Shale	3727	3751	10 Min. per Ft.	
Shale	3751	3760	15 Min. per Ft.	
Chert	3750	3758	15 Min. per Ft.	
Chert	3758	3770	18 Min. per Ft.	
Chert & lime	3770	3781	10 Min. per Ft.	
Chert & Lime	3781	3792	20 Min. per Ft.	
Lime	3792	3805	6 Min. per Ft.	
Lime	3805	3809	3 Min. per Ft.	
Lime	3809	3823	7 Min. per Ft.	
Lime	3823	3829	8 Min. per Ft.	
Lime	3829	3853	10 Min. per Ft.	
Lime	3853	3863	15 Min. per Ft.	
Lime	3863	3892	6 Min. per Ft.	
Lime	3892	3895	12 Min. per Ft.	
Broken lime	3895	3902	12 Min. per Ft.	
Broken lime	3902	3925	6 Min. per Ft.	
Broken lime	3925	4004	3 Min. per Ft.	
Broken lime	4004	4015	5 Min. per Ft.	
Broken lime	4015	4025	10 Min. per Ft.	
Lime	4025	4045	10 Min. per Ft.	
Shale	4045	4083	12 Min. per Ft.	
Shale	4083	4120	8 Min. per Ft.	
Broken lime	4120	4134	10 Min. per Ft.	
Broken lime	4134	4139	8 Min. per Ft.	
Shale	4139	4156	9 Min. per Ft.	
Shale	4156	4190	12 Min. per Ft.	
Shale	4190	4197	19 Min. per Ft.	
Black Shale	4197	4236	19 Min. per Ft.	
Shale	4236	4240	20 Min. per Ft.	
Shale	4240	4245	16 Min. per Ft.	
Shale	4245	4255	10 Min. per Ft.	
Shale	4255	4261	13 Min. per Ft.	
Sand	4261	4263	3 Min. per Ft.	Circulated 1 1/2 Hrs. 4262
Sand	4263	4267	7 Min. per Ft.	
Sand	4267	4274	15 Min. per Ft.	
Sand	4274	4278	8 Min. per Ft.	
Shale	4278	4292	10 Min. per Ft.	

OIL FIELD LOGGING  
 FILE NO. 1-28-4E  
 BOOK NO. 44 PAGE 53

STATE CORPORATION  
 EMBROIDERED  
 JUL 25 1942  
 STATE DEPARTMENT  
 OIL FIELD LOGGING

FORMATION	TOP	BOTTOM	DRILL TIME	REMARKS
Shale	4292	4303	19 Min. per Ft.	
Shale	4303	4311	13 Min. per Ft.	
Shale	4311	4320	9 Min. per Ft.	
Sand	4320	4325	12 Min. per Ft.	
Sand	4325	4332	17 Min. per Ft.	
Sand	4332	4333	24 Min. per Ft.	
Sand	4333	4336	8 Min. per Ft.	
Sand	4336	4339	15 Min. per Ft.	
Sand	4339	4344	20 Min. per Ft.	
Lime-Arbuckle	4344	4349 <sup>TD</sup>	15 Min. per Ft.	Circulated 1 1/2 Hrs.

STATE OF OKLAHOMA } SS  
 TULSA COUNTY }

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete, according to the records of this office and to the best of my knowledge and belief.

THE RUSO DRILLING COMPANY

BY: \_\_\_\_\_  
 President

Subscribed and sworn before me this 21st day of July, 1942.

My commission expires December 30, 1943.

\_\_\_\_\_  
 Notary Public

PLUGGING  
 FILE SEC. 1 28 R 4 E  
 BOOK PAGE 44 LINE 33

