

Ray #1  
Southwest Corner of the Southwest Quarter  
Sec. 7-23S-8W  
Reno County, Kansas  
HELMERICH & PAYNE, INC.

Sand	0	60	Chat	3708	3713
Sand and Red Rock	60	200	Water Sand	3715	3719
Red Bed	200	300	Chat	3719	3765
Red Bed & shale	300	545	Shale and shells	3765	3785
Shale	545	900	<del>Shale</del>	<del>3785</del>	<del>3830</del>
Shale and salt	900	1100	Shale and lime	3830	3920
Salt	1100	1248	Shale	3920	4005
Lime and shale	1248	1345	Lime	4005	4020
Lime	1345	1665	Lime and shale	4020	4055
Lime, hard	1665	1699	Shale	4055	4097
Lime	1699	1803	Lime	4097	4163
Shale & lime shells	1803	1834			
Lime	1834	2150	Total Depth	4163	
Lime and shale	2150	2220			
Lime	2220	2540			
Lime and shale	2340	2418			
Lime	2418	2504			
Lime and shale	2504	2570			
Lime	2570	2665			
Hard Lime	2665	2704			
Lime	2704	3068			
Shale and Lime	3068	3117			
Lime and shale	3117	3160			
Shale	3160	3225			
Lime	3225	3406			
Lime, Hard	3406	3426			
Lime	3426	3600			
Shale	3600	3624			
Shale, hard	3624	3651			
Shale	3651	3700			
Chat	3700	3708			

STATE OF OKLAHOMA )  
 ) SS.  
 COUNTY OF TULSA )

I hereby affirm that the above and foregoing is a true and correct copy of the log of our Ray #1, located in the Southwest Corner of the Southwest Quarter of Section 7, Township 23 South, Range 8 West, Reno County, Kansas.

HELMERICH & PAYNE, INC.,

By W. Helmerich  
 President

Subscribed and sworn to before me, a Notary Public, this 17<sup>th</sup> day of October, 1936.

Luc Tillman  
 Notary Public

My commission expires  
 July 22, 1939.

Scarborough

NORA RAY #1 in 7-23-8  
Reno County, Kansas

0 - 60	Sand
60 - 200	Sand & red rock
200 - 300	Red bed
300 - 545	Red bed & shale
545 - 735	Shale
735 - 900	Shale
900 - 1100	Shale & salt
1100 - 1248	Salt
1248 - 1345	Lime & shale
1345 - 1423	Lime
1423 - 1480	Lime
1480 - 1540	Lime
1540 - 1610	Lime
1610 - 1665	Lime
1665 - 1699	Hard lime

Report dated = Sept. 5, 1936

Fred Phillips

