

15-155-00135-0000

DRILLERS' LOG

NO. 1 PHILLIPS: NE SW NW, Section 23-22-6W, Reno County, Kansas

Operator : Penguin Petroleum, Inc., Wichita, Kansas
 Contractor : Lindsley Drilling Company, Wichita, Kansas

Commenced : March 25, 1953
 Completed : April 7, 1953

<u>FORMATION</u>	<u>DEPTH</u>	<u>REMARKS</u>
Sand	0 - 40	
Red Bed, Sand	40 - 85	
Shale, Shells	85 - 125	Set 127.47' (3 Jts) of 10 3/4" 32# Smls Csg w/75 sax cement @ 125', cement circulated to top.
Shale, Shells, Red Bed	125 - 485	
Shale, Shells	485 - 650	DS @ 500' - DK
Salt, Shells	650 - 750	
Shale, Shells	750 - 885	
Anhydrite, Gray Sandy Lime	885 - 925	
Sandy Lime	925 - 1015	DS @ 1000' - OK
Lime, Shale (Ft. Riley)	1015 - 1160	
Lime	1160 - 1400	
Shale, Lime	1400 - 1505	DS @ 1500' - OK
Shale, Shells	1505 - 2195	DS @ 2000' - OK
Lime, Shale	2195 - 2820	DS @ 2500' - OK
Gr Shale	2820 - 2853	
Lime (K C)	2853 - 2935	
Lime	2935 - 3120	
Lime, Shale	3120 - 3190	
Lime	3190 - 3290	DS @ 3250' - OK
Lime, Shale	3290 - 3511	
Chat	3511 - 3575	
Chert	3575 - 3617	
Miss - Chat	3617 - 3657	
Chat, Shale	3657 - 3682	
Lime	3682 - 3684	
Shale	3684 - 3875	
Lime	3875 - 3900	
Shale, Lime	3900 - 3955	
Lime	3955 - 3974	
Simpson Sand	3974 - 3985	
Simpson Sand & Dolomite	3985 - 4005	
Simpson	4005 - 4022	T.D. - D & A - Plugged Heavy drilling mud TD to 160'. Permanent bridge @ 160' w/25 sax cement on top thru DP. Mud to 20'. Top plug @ 20' w/5 sax cement. HOWCO wires to top plug to hold it.

I certify that to the best of my knowledge and belief the above is a complete and accurate copy of the drillers' log covering the rotary drilling of the No. 1 Phillips as described above.

STATE OF

CONSECUTIVE DIVISION
 WICHITA, KANSAS

4-15-53

G. S. Valentine
 G. S. Valentine
 Lindsley Drilling Co.

PLUGGING
 FILE SEC 23 T 22 R 6 W
 BOOK PAGE 91 LINE 32

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Shale, Shells	750 - 885	
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Lime, Shale (Ft. Riley)	1015 - 1160	
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Shale, Lime	1400 - 1505	DS @ 1500' - OK
Shale, Shells	1505 - 2195	DS @ 2000' - OK
Lime, Shale	2195 - 2820	DS @ 2500' - OK
Gr Shale	2820 - 2853	
Lime (K-C)	2853 - 2935	
Lime	2935 - 3120	
Lime, Shale	3120 - 3190	
Lime	3190 - 3290	DS @ 3250' - OK
Lime, Shale	3290 - 3511	
Chat	3511 - 3575	
Chert	3575 - 3617	
Miss - Chat	3617 - 3657	
Chat, Shale	3657 - 3682	
Lime	3682 - 3684	
Shale	3684 - 3875	
Lime	3875 - 3900	
Shale, Lime	3900 - 3955	
Lime	3955 - 3974	
Simpson Sand	3974 - 3985	
Simpson Sand & Dolomite	3985 - 4005	
Simpson	4005 - 4022 T.D.	- D & A - Plugged Heavy drilling mud BD to 160'. Permanent bridge @ 160' w/25 sax cement on top thru DP. Mud to 20'. Top plug @ 20' w/5 sax cement. HOWCO wires to top plug to hold it.

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REC
 STATE CO 4-15-53
 APR 15 1953
 CONSERVATION DIVISION
 Wichita, Kansas

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