LESSEE: Phillips Pet. Co LESSOR: E. S. Norman (Osage Tribe of Indians)

WELL NO. 14 SEC. 11 T. 27 R. 8 OSAGE COUNTY Oklahoma

02650

FORMATION RECORD

Note each change in formation, i. e., sand, lime, shale, sandy shale, etc.
Note character of each formation, i. e., color, hard, soft, caving, etc. Underreamed?
Note contents of each formation, i. e., oil, gas, water, and kind of water—salty, etc.

From	To	Feet	
Surface			
Soil, red soft	12'6" 20"	15	15
Mud, blue soft		15	65
Red rock, soft		65	85
Red rock		85	110
Lime, white hard		110	150
Slate, blue soft		150	155
Lime, white hard		155	215
Red rock, soft		215	225
Lime, white hard		225	235
Slate, blue soft		235	250
Lime, white hard		250	265
Slate, blue soft		265	275
Lime, white hard		275	290
Slate, blue soft		290	300
Mud, white soft		300	310
Red rock, soft		310	320
Slate, white soft		320	335
Lime, white hard		335	345
Mud, white soft		345	350
Shale, black soft		350	380
Lime, white hard		380	390
Shale, light soft	d.b.w.	390	400
Sand, white soft		400	420
Lime, white hard		420	425
Shale, blue soft		425	470
Slate, dark soft		470	485
Lime, white hard		485	490
Shale, blue soft		490	550
Lime, white hard		550	560
Shale, blue soft		560	570
Black shale, lime shells d.s		570	605
Lime, white hard		605	615
Shale blue soft		615	680
Red rock, soft		680	685
Slate, white soft		685	695
Lime, white hard		695	710
Shale, and shells light soft		710	735
Red rock, soft		735	745
Slate, white soft		745	760
Lime, white hard		760	775
Slate, white soft		775	795
Sand, white hard 25 b.w. 800'		795	815
Slate, dark soft 15½"-825'		815	855
Lime, white hard		855	865
Shale, blue soft		865	880
Sand, white soft		880	900
Sand, water white soft		2285	2315
Lime, white hard 9½"		2315	2320
Shale, blue soft at		[illegible]	[illegible]
Lime, black hard 2317		2415	[illegible]
Shale, white soft		[illegible]	[illegible]
Lime, white hard		2500	2600
Shale, dark soft cave		2600	[illegible]
Lime, white hard		[illegible]	[illegible]
Shale, blue soft		[illegible]	[illegible]
Lime, white hard		[illegible]	[illegible]
Slate, black soft		[illegible]	[illegible]
Brown lime slate, white hard		[illegible]	[illegible]
Lime, white hard		2750	2755
Shale, white soft		2755	2760
Lime, white hard		2760	[illegible]
Lime, white hard		2785	2795
Slate, black soft		2795	2800
Lime, white hard		2800	2810
Lime, shale white medium		[illegible]	[illegible]
Slate, black soft		[illegible]	[illegible]
Lime, white hard		2830	[illegible]
6-5/8" set 2835 SL			
Shale, dark soft		2845	[illegible]
Lime, white hard		2850	2870
Shale, dark medium		2870	2944
Lime, white hard		2944	2947
Reduced hole at 2948'			
Shale, white medium		2947	[illegible]
Shale, light medium		[illegible]	[illegible]
Sandy shale, light medium		[illegible]	[illegible]
First oil and gas at		2970	
Sand, dark gray medium		"	[illegible]
Sand, dark brown med.		[illegible]	[illegible]

296 PH