LESSEE Phillips Petroleum Company, LESSOR Osage Tribe of Indians (U.S. Bureau)

WELL NO. 1 NE¼ SEC. 11 T. 27 R. 5 OSAGE COUNTY 02613

FORMATION RECORD

From	To	Feet	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.	
Surface	0	5	Lime, white hard	
	5	15	Red rock, soft	
	15	20	Lime, white hard	127-2 20" - 20'6"
	20	40	Red rock, soft	
	40	55	Lime, white hard	
	55	120	Red rock, soft	
	120	200	Lime, white hard	
	200	210	Red rock, soft	
	210	235	Lime, white hard	
	235	250	Blue shale, blue soft	
	250	290	Lime, white hard	
	290	295	Blue shale, blue soft	
	295	310	Lime, white hard	
	310	425	Blue shale, soft	
	425	440	Water sand, whit soft	5 B. W.
	440	500	Blue shale, soft	
	500	525	Light shale, soft	
	525	540	Lime, white hard	
	540	610	Shale, light soft	
	610	625	Lime, white hard	
	625	645	Shale, light soft	
	645	665	Lime, white hard	
	665	695	Shale, blue soft	
	695	700	Red rock, soft	
	700	745	Shale, blue soft	
	745	760	Red rock, soft	
	760	775	Shale, blue soft	
	775	785	Sand, white soft	
	785	840	Sandy lime, white soft	
	840	890	Shale, blue soft	
	890	898	Red rock, soft	
	898	944	Shale, blue soft	15½ - 944'SL
	944	956	Lime, white hard	
	956	975	Shale, blue soft	
	975	985	Lime, white hard	
	985	992	Shale, blue soft	
	992	1080	Lime, white hard	
	1080	1090	Shale, blue soft	
	1090	1110	Red rock, soft	
	1110	1150	Shale, brown soft	
	1150	1170	Water sand, white soft	Hole full 1150'
	1170	1180	Lime, white hard	
	1180	1200	Shale, blue soft	
	1200	1230	Sand, white soft	
	1230	1240	Shale, blue soft	
	1240	2150	Sandy lime, white soft	
	1250	1265	Shale, blue soft	12½ - 1268 SL