LESSEE Phillips Petroleum Company LESSOR Osage Tribe of Indians

WELL NO. 9 SEC. 11 T. 27 R. 8 OSAGE COUNTY 02637

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	20	20	Soft red shale 20" at 20'
20	24	4	Hard white lime
24	115	91	Soft blue shale
115	200	85	Hard white lime
200	210	10	Soft blue shale
210	215	5	Soft red shale
215	245	30	Med. light lime
245	250	5	Soft blue shale
250	295	45	Hard white lime
295	420	125	Soft blue shale
420	440	20	Med. light sandy lime 6 blrs. per hr.
440	450	10	Soft light shale
450	480	30	Hard light lime
480	510	30	Soft blue shale
510	520	10	Hard light lime
520	530	10	Soft dark shale
530	540	10	Hard white lime
540	550	10	Soft blue shale
550	610	60	Med. light lime shells
610	635	25	Hard light lime
635	650	15	Soft blue shale
650	675	25	Hard light lime
675	685	10	Soft light shale
685	710	25	Hard light lime
710	715	5	Soft light shale
715	725	10	Hard light lime
725	745	20	Soft blue shale
745	760	15	Hard light lime
760	780	20	Soft light shale
780	805	25	Hard light lime
805	815	10	Soft blue shale
815	850	35	Hard light sandy lime Water 4 blrs.
850	875	25	Soft dark shale
875	880	5	Hard light lime
880	890	10	Soft blue shale
890	895	5	Soft light sand Water hole full
895	940	45	Soft light shale
940	950	10	Hard white lime
950	960	10	Soft blue shale 15½" at 912' 7" Lost threads
960	985	25	Hard white lime
985	995	10	Soft dark slate 3 blrs. per hr.
995	1015	20	Hard light lime
1015	1025	10	Soft light shale
1025	1030	5	Hard light lime
1030	1035	5	Soft blue shale
1035	1075	40	Hard white lime
1075	1085	20	Soft blue shale

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