

*Middlekauff #1
Lincoln County*

Lincoln County - Kansas

W.B.Middlekauff #1 - Prairie Oil & Gas Co.

Sec.10 - Twp.12 - Range 9W
200' from So. line
200' from E. line

Formation	Thickness	Depth	Remarks
Soft black soil	4	0 - 4	
Soft gray soil	6	4 - 10	
Soft red rock	6	10- 16	
Brown shale	9	16- 25	
Quick sand	5	25- 30	
Red rock	9	30- 39	
White slate	11	39- 50	
Sand	10	50- 60	
White slate	30	60- 90	
Blue slate and clay	40	90-130	
White slate	22	130-152	
Red slate and rock	18	152-170	
White lime	13	170-183	
Blue slate	14	183-197	
White slate	4	197-201	
White lime	6	201-207	
White slate	8	207-215	
Sand	5	215-220	Very light show gas and oil at 219'
Blue slate	11	220-231	
Red rock	9	231-240	
Slate and soft red rock	40	240-280	
Hard white lime	10	280-290	
White slate	2	290-292	
Lime	3	292-295	
Red rock	5	295-300	
Slate and shells	12	300-312	
Red rock	99	312-411	
White slate	8	411-419	
Red rock	51	419-470	
White slate	12	470-482	
Blue slate	28	482-510	
Red rock	70	510-580	
Brown shale	15	580-595	
Blue slate	105	595-700	
White lime	42	700-742	
Salt	136	742-878	
Blue slate and shells	34	878-912	
White slate	28	912-940	
Hard white lime	40	940-980	
White, slate , lime, shell	35	980-1015	
Lime	17	1015-1032	
Red rock	15	1032-1047	
Lime	21	1047-1068	

Formation	Thickness	Depth	Remarks
Red rock and brown slate	34	1068-1102	
White lime	26	1102-1128	
Gray shale	8	1128-1136	
Gray shale	2	1136-1138	
Red rock	22	1138-1160	Light oil show at 1160'
White lime	60	1160-1220	
Shale shell	20	1220-1240	
White lime	36	1240-1276	
Gray sand	4	1276-1280	
White sand	20	1280-1300	4 bbl. water at 1282'
Gray slate	5	1300-1305	
Red shale	15	1305-1320	
Lime	15	1320-1335	
Brown shale	2	1335-1337	
Very hard white lime	8	1337-1345	
Red rock	5	1345-1350	
White lime	30	1350-1380	
Slate	5	1380-1385	
Red rock	27	1385-1412	
Slate	8	1412-1420	
Gray lime	30	1420-1450	
Red rock	10	1450-1460	
Slate and lime shells	35	1460-1495	Some water
Red rock	7	1495-1502	
Lime	18	1502-1520	
Slate	15	1520-1535	
Red rock	21	1535-1556	
White slate	42	1556-1598	
Lime	12	1598-1610	
White slate	26	1610-1636	
Lime and black shale	30	1636-1666	
Red rock	19	1666-1685	
Blue slate	25	1685-1710	Put in 10"
White lime	15	1710-1725	
Slate	30	1725-1805	
Slate	21	1805-1826	Put in 8"
Slate and shells	42	1826-1868	Underreaming 8" at 1842'
Shells	10	1868-1878	
Shells and slate	100	1878-1978	
Lime	10	1978-1988	
Slate	12	1988-2000	
Shells	20	2000-2090	
Lime	5	2090-2095	
Black slate	5	2095-2100	
Lime	23	2100-2123	
Slate	57	2123-2180	
Lime	12	2180-2192	
White slate and shells	71	2192-2263	
Lime	10	2263-2273	
Lime	29	2273-2302	
Sand	25	2302-2307	

Formation	Thickness	Depth	Remarks
Lime	60	2307-2367	
Slate	43	2367-2410	
Lime	89	2410-2499	
Slate, black	1	2499-2500	
Slate and shale	48	2500-2548	
Sand	13	2548-2561	
Slate	87	2561-2648	
Slate and shells	16	2648-2664	
Lime	11	2664-2675	
Lime and shells	41	2675-2716	
Lime	11	2716-2727	
Slate	4	2727-2731	
Sand	9	2731-2740	
Slate	10	2740-2750	
Lime	5	2750-2755	6 barrels of water at 2773'
Sand	58	2755-2813	
Slate	7	2813-2820	H.F.W at 2800
Lime	45	2820-2865	
Slate	10	2865-2875	
Lime	12	2875-2887	
Sand	11	2887-2898	
Lime	11	2898-2909	
Hard white sand	21	2909-2930	
Lime sand	8	2930-2938	
Soft slate	5	2938-2943	
Hard lime	9	2943-2952	
Soft slate	17	2952-2969	3018' of 6-5/8 casing in hole
Red rock	12	2969-2981	
Black slate	19	2981-3000	
Hard white lime	20	3000-3020	
Soft black slate	14	3020-3034	
Hard gray lime	6	3034-3040	
Soft black slate	55	3040-3095	
Soft red rock	120	3095-3215	Hole full of water at 3245'
Hard gray sand	120	3215-3335	
Hard gray lime	47	3335-3382	
Soft white slate	2	3382-3384	
Hard white lime	30	3384-3414	
Soft white slate	18	3414-3432	
Hard white lime	34	3432-3464	
Soft white water sand	4	3464-3468	
Hard gray lime	7	3468-3475	
Soft red rock	3	3475-3478	
Hard gray lime	2	3478-3480	
Soft blue slate	38	3480-3518	
Hard white lime	10	3518-3528	
Soft black slate	17	3528-3545	
Broken gray lime	8	3545-3553	
Soft white slate	7	3553-3560	
Broken white lime	12	3560-3572	

Casing Record:

20"	146'	3"
15 $\frac{1}{2}$ "	415'	2"
12 $\frac{1}{2}$ "	1146'	2"
10"	1693'	2"
8 $\frac{1}{4}$ "	2652'	4"
6 $\frac{5}{8}$ "	3018'	3"
5 $\frac{3}{16}$ "	3560'	