

Charted
12/12/21

BROWN RANCH OIL COMPANY,
#1 Sunwalt,
C. W. line SW $\frac{1}{4}$ 15-29-7.

A KANSAS.

1474

1776

Formation	Top	Bottom	Formation	Top	Bottom.
Soft dark soil	0	5	Very soft white shale	1490	1500
Hard light lime	5	85	Soft dark shale (Cave)	1500	1520
Soft dark shale	85	95	Soft red rock "	1520	1530
Soft red rock	95	115	Very soft white shale "	1530	1575
Hard light lime	115	215	Soft dark water sand	1575	1590
(Red 20 in hole to 16 at 180)			(H.F.W. at 1584')		
Soft dark shale	215	235	Soft light shale	1590	1593
Hard dark lime	235	325	Hard dark lime	1593	1596
Soft light shale	325	355	Soft light sand	1596	1610
Hard light lime	355	373	(Light oil show - H.F.W.)		
Soft dark shale	373	385	Hard dark lime	1610	1670
Hard dark lime	385	425	Soft blue shale	1670	1740
Soft brown shale	425	550	Soft dark shale	1740	1760
Soft light shale	550	600	Hard light lime	1760	1834
Hard light lime	600	605	Med. Hard blue sand (8 blrs.W.)	1834	1844
Soft dark shale	605	645	Med. hard white sand	1844	1884
Hard light lime	645	660	Hard dark sandy lime	1884	1900
Soft dark shale	660	710	Hard brown sandy lime	1900	1910
Hard dark lime	710	725	Soft white water sand	1910	1920
Soft light shale	725	737	(H.F.W. 1934' to 8 $\frac{1}{4}$ " csg.)		
Hard dark lime	737	740	Extra Hard white lime	1920	1975
Soft light shale	740	742	Soft white slate	1975	1985
Hard light lime	742	750	Hard white lime	1985	1990
Soft dark shale	750	754	Soft light slate	1990	2120
Hard light lime	754	820	Hard gray lime	2120	2140
(Water at 785' 3 $\frac{1}{2}$ B. per hr.)			Hard white lime	2140	2190
Soft dark shale	820	825	Hard dark lime	2190	2250
Soft red rock	825	830	(2 Blrs. water at 2195' per hr.)		
Soft dark shale	830	860	Hard dark slate	2250	2265
Hard light lime	860	872	Hard white lime	2265	2285
Soft dark shale	872	900	Soft black shale	2285	2297
Hard light lime	900	910	Soft white shale	2297	2309
Soft dark shale	910	925	Hard gray water sand (H.R.W.)	2309	2353
Hard dark lime	925	940	Soft dark shale	2353	2375
Soft light shale	940	950	Hard dark lime (Bad hole.)	2375	2380
Hard dark lime	950	955	Hard light sandy shale	2380	2500
Soft dark shale	955	965	Hard dark lime	2500	2530
Hard dark lime	965	968	Soft dark slate & shale	2530	2830
Soft light shale	968	1010	Hard dark lime (Water.)	2830	2835
Soft light shale	1010	1070	Hard dark sandy shale	2835	2910
Hard dark lime	1070	1135	Soft dark sand (Water.)	2910	2915
Soft dark shale	1135	1145	Hard dark lime	2915	2970
Hard dark lime	1145	1150	Soft black shale	2970	3070
Soft light shale	1150	1170	Hard white sand	3070	3090
Hard dark lime	1170	1200	(Salt water 3090-3100')		
Soft light shale	1200	1208	Hard white sand	3090	3100
Hard dark lime	1208	1230	Hard white sand	3100	3105
Hard light lime	1230	1255	Hard white sand	3105	3115
Soft dark shale	1255	1285	Hard white sand	3115	3170
Hard dark lime	1285	1313	Soft black shale	3170	3235
Soft dark shale (Cave)	1313	1323	Hard dark slate & shale	3235	3245
Hard dark lime	1323	1330	Soft white water sand (h.f.w.)	3245	3250
Soft light sand (H&F.W.)	1330	1360	Hard dark Miss. lime	3250	3258
Hard light lime	1360	1365	TOTAL DEPTH & ABANDONED AT		3258'
(U.R. Hole F.W. From 1350-1381')					
Soft dark shale	1365	1405			
Hard light lime	1405	1420			
Soft dark shale (Cave.)	1420	1425			
Hard light lime	1425	1430			
Soft light water sand (H.F.W.)	1430	1436			
Hard dark lime	1436	1440'			
(U.R. from 1381' to 1450')					
Soft dark shale	1440	1450			
Soft med rock (Cave.)	1450	1470			
Hard white lime	1470	1490			
(U.R. From 1458' to 1550')					

CASING RECORD.

12 $\frac{1}{2}$ " 1010'
8" 1740'

2830
1474
1356