

LOG - BTTA HARKINS NO. 1

17509

Location - Southwest Corner of NE $\frac{1}{4}$ of
Section 9-32-1.

Drilling commenced - Nov. 24, 1924

Drilling completed - May 13, 1925

Drilled by - R. W. Rine Drilling Co.

Initial production - DRY

SAND RECORD

Sand (HFW)	3260	3285	
Lime	3305	3310	6-5/8" at 3305'
Lime	3585	3610	
Miss. Lime	3645	4015	Set 6-5/8" at 3654'
Wilcox Sand	4080	4138	HFW at 4138'
T. D.	4138		

3645
1277
-2368

4138
1277
-2861

CASING RECORD

<u>Put in</u>			<u>Pulled</u>
20"	90#	162'	All
15 $\frac{1}{2}$ "	70	917	"
12 $\frac{1}{2}$ "	50	1348	"
10"	40	2062	"
8 $\frac{1}{2}$ "	32	2610	"
6-5/8"	24	3340	"

Soil	0	8	Lime	1270	1280
Shale	8	40	Shale	1280	1335
Gravel - water	40	50	Lime	1335	1340
Shale	50	205	(Set 12½" casing at 1335')		
(20' casing set at 167')			Slate	1340	1355
Lime	205	215	Lime	1355	1360
Shale	215	255	Slate	1360	1370
Lime	255	280	Shale	1370	1505
Shale	280	290	Lime	1505	1510
Red Rock	290	295	Red Rock	1510	1515
Lime	295	330	Lime	1515	1520
Slate	330	340	Shale	1520	1560
Lime	340	360	Lime	1560	1595
Shale	360	370	Slate & shells	1595	1640
Lime	370	435	Red Rock	1640	1645
Shale	435	440	Shale	1645	1665
Lime	440	460	Lime	1665	1675
Shale	460	465	Lime	1675	1690
Lime	465	500	Shale	1690	1710
Shale	500	515	Shale & shells	1710	1770
Lime	515	570	Lime	1770	1795
Red Rock	570	590	Lime	1795	1810
Lime	590	715	(1½" B water)		
Sand	715	745	Lime	1810	1825
(Little water)			Shale	1825	1855
Lime	745	770	Lime	1855	2005
Shale	770	785	(1½" B. wat. at 2000')		
Lime	785	790	Slate	2005	2010
Red Rock	790	800	(A little wat. at 2110')		
Lime	800	840	Lime	2010	2220
Shale	840	845	Slate	2220	2240
Red Rock	845	860	Sand	2240	2245
Lime	860	940	Slate	2245	2300
(15½" casing at 910')			Lime	2300	2320
Shale	940	950	Shale	2320	2340
Lime	950	1005	Lime	2340	236-0
(Some water at 970')			Slate	2360	2430
Red Rock	1005	1025	Lime	2430	2435
Lime	1025	1060	Slate	2435	2610
Slate	1060	1125	(8½" at 2580')		
Sand	1125	1145	Shale & shells	2610	2675
Lime	1145	1160	Sand - HFV	2675	2700
Shale	1160	1190	Lime	2700	2705
Lime	1190	1220	Slate	2705	2720
Slate	1220	1255	Sand	2720	2730
Lime	1255	1265	Slate	2730	2800
Shale	1265	1270	Slate & shells	2800	2840

4015
3610
405

LOG - ETTA HARKINS NO. 1

Lime	2840	2870	Lime	3585	3610
Lime & slate	2870	2910	Lime	3610	
Slate	2910	2945			
Lime	2945	2955	(Deepened)		
Shale	2955	2965			
Lime	2965	2980	Chat, sandy	3610	3645
Sandy lime	2980	3010	(HFW)		
(Water at 2985')			Lime, Miss.	3645	4015
Lime	3010	3115	(Set 6-5/8" at 3654')		
Shale - Cave	3115	3125	Black slate	4015	4080
Lime	3125	3150	Wilcox Sand	4080	4138
Slate	3150	3155			
Lime	3155	3195	(HFW at 4138')		
Slate	3195	3200			
Lime	3200	3220	T. D.	4138	
Slate	3220	3225			
Lime	3225	3230	Plugged and Abandoned.		
Shale - Cave	3230	3240			
Lime	3240	3255			
Shale	3255	3260			
Sand - HFW	3260	3285			
Shale	3285	3293			
Lime	3293	3296			
Shale	3296	3305			
Lime	3305	3310			
(6-5/8" at 3305')					
Shale	3310	3315			
Lime	3315	3325			
Shale	3325	3350			
Lime	3350	3355			
Slate	3355	3375			
Lime	3375	3415			
Mud	3415	3430			
Lime	3430	3460			
Slate	3460	3495			
Lime	3495	3500			
Slate	3500	3540			
Lime	3540	3550			
Red Bed	3550	3585			

(Bad Cave)