

FORMATION RECORD
(Continued)

HOBBS OFFICE 000

FROM:	TO:	FEET:	FORMATION:	1950 FEB 10 AM 10:35
10515	10542	27	Lime, chert & shale	
10542	10560	18	Lime & chert	
10560	10588	28	Lime, shale & sand	
10588	10599	11	Lime & sand	
10599	10633	34	Shale	
10633	10670	37	Shale & lime	
10670	10673	3	Shale	
10673	10685	12	Lime	
10685	10715	30	Lime & sand	
10715	11088	373	Lime	
11088	11111	23	Lime & chert	
11111	11207	96	Lime	
11207	11220	13	Lime & chert	
11220	11259	39	Lime	
11259	11272	13	Lime & chert	
11272	11302	30	Lime	
11302	11318	16	Lime & shale	
11318	11328	10	Lime	
11328	11339	11	Lime & shale	
11339	11531	192	Shale	
11631	11546	15	Dolomite	
11546	11770	224	Lime	
	11770		TOTAL DEPTH	
11770	11733	37	PBTD (Top of cement plug in 5-1/2" OD Casing)	

DRILL STEM TEST:

Ran Drill Stem Test from 9861' to 10,104', tool open 3 hours, good blow to surface when tool opened, gas to surface in 10 minutes at rate of 5000 cubic feet per day. After 40 minutes decreased to very weak blow too small to measure and continued throughout test. Recovered 92' oil and gas cut mud, 368 free oil, gravity 41.8 deg. at 60 deg., 60' gas and oil cut mud at bottom. 30 minute initial shut in pressure 2245#, flowing pressure initial 1360#, final 1430#, 1 hour final shut in pressure 1320#, hydrostatic pressure 4365# in and out. Bottom hole temperature 146 degrees.

DEFLECTION TESTS:

FOOTAGE	DEGREES	FOOTAGE	DEGREES	FOOTAGE	DEGREES
145	1/2	6789	3/4	9971	1-1/2
758	1/4	7023	1/2	10104	1-1/2
1099	1	7249	3/4	10211	1-1/2
1434	1	7367	1/2	10318	1-1/2
1806	1	7593	3/4	10400	1-1/4
2271	1-1/4	7651	3/4	10542	1-1/4
2652	1-1/4	7962	1-1/2	10599	1
2847	1/2	8211	2-1/2	10672	1
3209	1-3/4	8320	2-1/2	10742	1
3621	1	8418	2-1/2	10841	1-1/2
3806	1/4	8699	1-3/4	10932	2
4231	3/4	8755	1-3/4	11062	3-1/2
4596	1	8965	1-1/4	11200	4
4867	1/2	9037	1-1/4	11272	4-1/2
5050	1/4	9121	1	11318	4
5269	1/2	9240	1	11405	3-1/2
5515	3/4	9475	1-1/2	11531	2-1/2
5932	1/4	9721	1	11659	2-1/2
6426	1			11770	1-3/4