



**FORMATION RECORD**

FROM	TO	THICKNESS IN FEET	FORMATION
0	230	230	Sand Caliche
230	270	40	Red Bed
270	640	370	Red Rock
640	700	60	Hard Sand
700	890	190	Red Rock
890	990	100	Shale & Shells
990	1115	125	Red Rock
1115	1155	40	Red Rock & Anhydrite Shells, Top Anhydrite 1118', Spl.
1155	1174	19	Shale & Anhydrite - Set 9-5/8" casing @ 1174' w/ 400 sacks cement.
1174	1345	171	Anhydrite
1345	1435	90	Salt
1435	2428	93	Salt & Anhydrite
2428	2520	92	Anhydrite
2520	2530	10	Sand & Anhydrite
2530	2640	110	Anhydrite
2640	2686	46	Sand
2686	2745	59	Sand & lime, Top Yates 2725', Samples & Lane-Wells.
2745	2750	5	Sand & Shale
2750	2858	108	Sand & Lime BPF #1, T.D. 2858', packer 2699', anchor 159'. Packer failed.
			BPF #2, T.D. 2858', Double packer 2695', anchor 163'. 5/8" BPG, 1" top opening. Tool open 2 hrs. w/ gas & mud to surface in 6 mins. After cleaning BP of fluid and flow becoming stabilized, gas tested 2,000 MCF/day. Circulated 2 hrs. and then pulled 3 1/2" BP. H.P. in, 1400#; out, 1500#. F.P. 600-350#. Failed on 15-min. buildup.
2858	3283	425	Lime
3283	3372	89	Lime & Shale
3372	3403	31	Lime - Set 7" OD casing @ 3403' and cemented w/ 200 sacks cement.
			Rigged down Rotary tools and rigged up Cable Tools.
3403	3569	166	Lime
3569	3632	63	Dolomite
			Reached Total Depth 2-21-51.
3632	3362	270	Plugged back.  Ran Lane-Wells Gamma Ray & Neutron Survey from 2300-3632', old T.D. Then ran 2" tubing to 3632' & spotted 60 sacks cement on bottom. Picked up tubing to 3353' and washed out approxi. 7 sacks cement.  Came out of hole w/ 2" tubing. Ran SEM and found top of cement plug at 3362'.  Ran 2" tubing and seated tubing in Baker Production Packer at 3160', w/ tubing perforation on bottom of tubing at 3287-3290'.  Shut-in overnight and tubing pressured up to 790# and casing pressured up to 1020#. Flow tubing down to test and casing pressure lowered to 825#.  Completed as Gas Well in Yates Section through 7" casing perforation 2789-2740' w/ potential of 12,600 MCF sweet gas per day. 24-hour shut-in pressure 1060#. No connection has been made to take this gas as of this date, 5-24-51.