



## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	6	6	Cellar
6	1010	1004	Caliche, Red Shale and Sand.
1010	1120	110	Anhydrite, Red Sand & Shale.
1120	2220	100	Salt, Polyhalite and Anhydrite
2220	2385	165	Anhydrite
2385	2524	139	Sand and Anhydrite.
2524	3770	1246	Dolomite, Sand, Fine Sandy Dolomite and Anhydrite.
3770	5710 <del>6</del>	1940	Dolomite and Sand.
	5710		Total Depth

GEOLOGICAL DATA

Top Anhydrite	1010'
Top Salt	1120
Base Salt	2220
Top Yates	2385
Top San Andres	3770
Base San Andres	5090
Top San Angle	5562
Top Clearfork	5670

SLOPE TESTS

650	Straight
1000	-3/4 deg.
3150	-3/4
1702	Straight
2385	Straight
2720	Straight
3100	-3/4 deg.
3500	-3/4
3925	-3/4
4340	Straight
4800	-3/4
5290	1-3/4
5430	3-1/8
5695	3-1/4

DRILL STEM TESTS

- D.S.T. #1 - 2275' to 2500' - 4 hour Test - Tool open @ 12:51 PM with few bubbles - Tool did not open. Closed and re-opened tool with fair blow of air. Gas up in 15 min. Gas Vol. 1,280 cu ft per day. No fluid to surface. Recovered 213' slightly gas cut drlg mud.
- D.S.T. #2 - 2498' to 2750' - 4 hours Test - Tool open with good blow of air. Gas up in 28 min. No fluid to surface. Recovered 540' gas cut black sulphur water and 356' gas & sulphur water cut Drlg. Mud.
- D.S.T. #3 - 2750' to 2984' - 1 hour & 23 min test - Tool open with weak blow of air for 8 min & died. Recovered 35' Drlg. Mud.
- D.S.T. #4 - 2984' to 3170' - 4 hour & 14 min test - Tool open with strong blow of air. Gas up in 2 minutes. Mud up in 3 min. Flowed Black Residue Water for 2 hours - Est. 1/4 bbl per hour. No recovery in Drill Pipe. Gas Vol. 3,915,000 cu ft per day.
- D.S.T. #5 - 3171' to 3300' - 4 hour Test - Tool open with good blow of air. Gas up in 2 min. Mud up in 3 min. Gas Vol. 3,379,000 cu ft per day. Flowed 4 1/2 bbl Mud, 50% Sulphur Water cut in 4 hours. No recovery in Drill Pipe.
- D.S.T. #6 - 3300' to 3440' - 2 hour & 15 min. Test - Tool open with weak blow for 12 min and died. Recovered 660' gas cut Drlg. Mud. No oil or water.
- D.S.T. #7 - 3440' to 3620' - 4 hour Test - Tool open with fair blow of air. Gas up in 2 min. Mud up in 15 min. Gas Vol. increased from 675,000 cu ft per day to 1,624,000 cu ft per day. No Recovery from Drill pipe
- D.S.T. #8 - 5100' to 5175' - 4 hour Test - Tool open with fair blow of air. Gas up in 4 min. Gas Vol. ~~196,690~~ 196,690 cu ft per day. No Fluid to surface. Recovered 440' Drlg Mud, Gas Cut, in Drill Collars, and 350' Gas Cut Drlg. Mud in Drill Pipe.
- D.S.T. #9 - 5175' to 5225' - 4 hour Test - Tool open with good blow of air. Gas up in 4 min. Not enough pressure to measure. Closed tool and started to break off Kelly - ~~Summit~~ Found gas pressure on Drill Pipe. Cracked Tool Joint and bled off pressure. Oil bled from Drill Pipe. Re-opened tool with good blow of gas. Gas Vol. 350,460 cu ft per day. Fluid to surface in 23 minutes. Flowed 67.12 bbl fluid in 4 hours. Recovered 85' oil & gas cut mud. No water.
- D.S.T. #10 - 5440' to 5490' - 4 hour Test - Tool open with fair blow of air. Gas up in 9 minutes. Gas Vol. 5,280 cu ft per day. No fluid to surface. Recovered 3060' Black Sulphur Water. No Oil.
- D.S.T. #11 - 5569' to 5635' - 4 hour & 45 min Test - Tool open with fair blow of air. Gas up in 3 min. Mud up in 43 min. Oil up in 45 min. Gas Vol. 447,204 cu ft per day. Flowed 82.80 bbl fluid in 4 hours. Recovered 275' oil & gas cut drlg. mud. No Water.
- D.S.T. #12 - 5635' to 5710' - 4 hour & 13 min Test - Tool open with good blow of air. Gas up in 4 minutes. Gas Vol. 811,260 cu ft per day which decreased to 759,000 cu ft per day. Mud up in 7 minutes. Oil up in 8 minutes. Flowed 207.00 bbl fluid in 4 hours. Recovered 275' heavily oil & gas cut mud. No Water/