

CASING RECORD & DRILL STEM RECORD STATE LEA 401 NO. 2

| SIZE | WEIGHT PER FT | NEW OR USED | AMOUNT | KIND OF SHOE | CUT AND PULLED | PERFORATION | PURPOSE |
|--------|---------------|-------------|--------|--------------|----------------|---------------|------------|
| 13-3/8 | 48 | N | 146 | | | | Surface |
| 13-3/8 | 35.6 | N | 154 | | | | " |
| 9-5/8 | 40 | N | 1,586 | | | | Intermed. |
| 9-5/8 | 36 | N | 3,416 | | | | " |
| 7" | 35 | N | 800 | | | | Production |
| 7" | 32 | N | 188 | | | | " |
| 7" | 29 | N | 1,007 | | | | " |
| 7" | 26 | N | 255 | | | | " |
| 7" | 29 | N | 8,476 | | | | " |
| 7" | 32 | N | 1,039 | | | 11726'-11756' | " |
| 2-7/8 | 6.5 | N | 11,737 | | | | Tubing |

DRILL STEM TEST RECORD

- DST #1 - 8455'-8555' (Bone Spring) 5/8" x 1" Chokes; Tool open 45 min with no blow. Recovered 625' drilling mud with no shows oil, gas, or water. IFP 110#, FFP 110#, 30 Min. SIP 110#. Found 2 holes in drill pipe at 6930'.
- DST #2 - 8455'-8555' (Bone Spring) 5/8" x 1" Chokes. Opened with weak blow and died in 5 minutes. Tool open 45 minutes. Recovered 30' drilling mud with no show oil, gas, or water. IFP 60#, FFP 85#, 30 MIN SIP 100#
- DST #3 - 8555'-8646' (Bone Spring) 5/8"x1" Chokes. Tool open 45 min. with light blow 30 min. and died. Recovered 30' drilling mud with no show oil, gas, or water. IFP & FFP, 30 Min. SIP all 115#.
- DST #4 - 9741'-9779' (Wolfcamp) 5/8" x 1" Chokes: Tool opened 1-1/2 hours w/ strong blow, gas to surface in 6 min. Mud to surface in 1 hr. 20 min. Flowed 2 bbls. oil cut muddy water in 10 min. Approx. 5% oil. Reversed out 35 bbls. salty sulphur water and 3 bbls. 35.4 gravity oil. Recovered 270' salty sulphur water. IFP 640#, FFP 3155#, 30 Min. SIP 3620#.
- DST #5 - 10015'-10090' (Wolfcamp) 5/8"x 1" chokes: Tool open 1-1/2 hours with strong blow. Gas to surface in 6 min, oil in 1 hr. 25 min & flowed 1 bbl. 39 gvty. oil in 5 min. Reversed out 20 bbls. 39 gvty. oil., Recovered below circulating sub 270' highly oil and gas cut drilling mud. No water. IFP 300#, FFP 2570#, 30 Min. SIP 2785#
- DST #6 - 10099'-10119' (Wolfcamp) 5/8" x 1" chokes - Open 1-1/2 hours with strong blow gas to surface in 10 min. Recovered 330' of 40 gvty. oil 150' heavy oil & gas cut mud with no water. IFP 85#, FFP 660#, 30 min. SIP 2145#.
- DST #7 - 11650'-11709' (Devonian) 5/8" x 1" chokes - Tool open 1 hour and 5 min. Open with weak blow and died in 5 min. Recovered 200' of 44 gvty oil, 180' oil and gas cut mud cut 75% oil & 90' heavy oil and gas cut mud approx. 5% oil. IFP 845#, FFP 1250#, 55 Min. SIP 4745#
- DST #8 - 11705'-11765' (Devonian) 5/8" x 1" Chokes - Open 1-1/2 hours with strong blow thruout test. No gas to surface. Recovered 3940' 42 gvty. oil, 90' heavy oil and gas cut mud with no water. IFP 965#, FFP 3263#, 30 Min. SIP 4635#.