

McClellan Oil Corporation
Penjack Fed. #4
Sec. 6-T10S-R26E
1980' FSL & 1650' FWL
Chaves County

RECEIVED

OCT 20 '87

O. C. D.
ARTESIA, OFFICE

- 9/21/87: Move in WEK Rig #1. Spud with 12½" bit.
- 9/22/87: Drilling at 600' with spud mud.
- 9/23/87: Drilling at 1050'. Proposed TD 1100', prep to run 8-5/8" casing.
- 9/24/87: Drilling at 1300'. Ran 1095' (24 joints) of 8-5/8", 23 lb casing. Cemented using Halliburton with 350 sx Halliburton Lite ¼ lb Flocele, 2% CaCl & 200 sx of Premium Plus cement, 2% CaCl. Plug down at 1:15 pm. Circulated 43 sx cement. Nipple up BOP & test to 1000 psi.
- 9/25/87: Drilling at 2055'. MW - 8.9. Drilling 35'/hour.
- 9/26/87: Drilling at 2880'.
- 9/27/87: Drilling at 3559'.
- 9/28/87: Drilling at 4125', 18'/hour. Mudding up. 10-WL, 37-Vis, 9.8-MW, 4% diesel.
- 9/29/87: Drilling at 4465'. MW - 9.8, Vis - 40, WL - 12, drilling 13'/hour. Tripped for bit #3.
- 9/30/87: TD at 4680'. MW - 9.9, Vis - 45, WL - 10. Present operation is logging.
- 10/1/87: Logged with Schlumberger CNL-LDT. Ran 4650' of 4½", 10.5 lb/ft new casing. Cemented with 280 sx Class C, 65/35 Poz with .3% CFR-3, 5 lb/sk salt, .4% Halad-4. Preceded by 500 gals. MudFlush & 500 gals. Flochek 21. Plug down at 11:15 pm. Release rig. No wellhead. Will complete next week.
- 10/5/87: Rigged up pulling unit. Nipple up BOP's. Ran Schlumberger PDC log. Perfed: 4333,34,35,39,40,41 - 6 holes; 4359,60,61,64,65,66,67,69,70,71 - 10 holes; 4381,82,85,86,87 - 5 holes; 4473,73½,74,74½,75 - 5 holes. 26 holes total, .38" diameter, Hyperjet II. Ran tubing, packer and bridge plug in hole. Shut down overnight.
- 10/6/87: Straddled 4473-75 with packer and plug. Acidized with 500 gals. 10% NEFE acid. Breakdown at 900 psi. Average rate - 3 BPM, average psi - 2100, ISIP - 900, 5 minutes - 600, 10 minutes - 280, 15 minutes - 60. Swabbing back acid load.
- 10/7/87: SITP - 700. Blew down with good gas. Ran 1 swab with 1000' of scattered fluid. Moved tools, straddled 4381-87; 4359-71; 4333-41. Broke down 700, 700, 750 respectively. Moved tools. Set RBP at 4400'. Tested to 2000 psi. Set packer at 4270'. Ran 2500 gals. 10% NEFE acid. Balled out with 32 balls. Average rate - 4.5, average psi - 2200. ISDP - 400, 5 minutes - vacuum. Swabbing back acid load. Good gas show while swabbing. Shut in.
- 10/8/87: SITP - 1000. Blew down with good gas show, unloading some fluid. Pulled RBP & RTTS, washed balls. Fraced down casing with 70,000 gals. gelled KCL water and 65,000 lbs 20-40 and 35,000 lbs 12-20 sand. Average rate - 74 BPM. Average psi - 2600, ISIP - 1000, 15 minutes - 600. Shut in overnight.
- 10/9/87: Well on vacuum this morning. Ran tubing in open-ended. All perms open. Washed 90' of sand out of rathole. Nippled up tubing at 4300'. NU wellhead. Swabbing back frac load. Swabbed 250 bbls with FL at ± 1500' from surface with slight gas show. Left open to pit.
- 10/10/87: Well flowing this a.m. - 80 psi on 2" choke. 600 psi on casing, unloading lots of fluid. Rigged down pulling unit. Left well

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10/11/87: Well flowing 340 psi on 32/64" choke with slight mist. Estimated 2100 MCFD. Shut in for pressure build-up and 4 point. Will 4 point 10/13/87.

10/15/87: Ran 4 point test. CAOF - 7544 MCFD.
1st rate - 1249 MCF @ 860 psi.
2nd rate - 1853 MCF @ 800 psi.
3rd rate - 2034 MCF @ 731 psi.
4th rate - 2563 MCF @ 650 psi.
Shut in for 72 hour pressure buildup. Shut in for pipeline connection.

Final Report