



McCLELLAN OIL CORPORATION
PJ Federal #4
1980' FSL & 660' FWL
Sec. 7-T9S-R26E
Chaves County, NM
Proposed TD: 4600'
Elevation: 3686' G.L.

- 11/27/84: Spudded at 9:30 a.m. daylight mountain time.
- 11/28/84: Drilled to 916'. Ran 916' of 8-5/8" 24 lb/ft casing. Cemented with Western using 300 sx Pacesetter Lite, 1/4 lb Cello Seal w/ 2% CaCl₂, and 250 sx Class C w/ 2% CaCl₂. Circulated 150 sx. Plugged down at 1:45 p.m. WOC.
- 11/29/84: Drilling at 1650'.
- 12/02/84: Drilling at 3850'. Mudding up 9.8 lb/gal. Water loss-17 and vis-35. Should be mudded up by 3900'.
- 12/03/84: Drilling at 4000'. Mud wt-9.9 and vis-36. Water loss-15.
- 12/04/84: Drilling at 4260'. Mud wt-10.1, water loss-17, vis-36. Carrying 10% solids. Will get mud wt down.
- 12/05/84: Drilling at 4380'.
- 12/06/84: Drilling at 4530'. Mud wt-10, vis-48, water loss-9. Will TD at 4560'. Prep to log.
- 12/07/84: TD at 4560'. Logged with Schlumberger CNL,LDT,DLL. Preped to run 4-1/2" csg.
- 12/08/84: Ran 113 jts 4-1/2" 10.5 lb/ft casing. Cemented with Halliburton using 500 gals Flo Check, 500 gal mud flush, 360 sx 50-50 Poz "C" w/ 6 lbs salt, .2% CFR2, and .2% Halad 4. Plug down at 1:45 p.m. Release rig at 2:30 p.m. Prep to run temperature survey.
- 12/10/84: Rigged up pulling unit. Ran PFC Log. Perfed at 4402', 03, 04, 05, 06, 07', w/ 12 shots. Ran tbg and pkr. Spotted 1 BBL acid. Broke down perms at 1200 psi. Swabbed dry.
- 12/11/84: SITP-850 psi w/ good gas show. Acidized w/ 1000 gals 10% NEFE acid and 20 balls. Balled out. Ave Rt-3 BPM. Ave Psi-1600. Max Psi-2000. ISIP -1000 psi, 15 min-375 psi. Swabbed back acid load w/ gas show. Pulled packer. Ran tbg open-ended to 4348'. Prep to frac.
- 12/12/84: Fraced w/ 20,000 gals gelled 2% KCL water and 5,000 gals liquid CO₂ at 20 BPM at 3000 psi. ISIP-1600, 15 min-1300. Shut in 4 hrs. Flowing back frac load to pit.
- 12/13/84: Flowed back load. FTP-20 psi.
- 12/17/84: SITP-800 psi. SICP-800 psi. Blew down for 24 hrs. Unloaded light mist, flowing 20 psi on 1/2" choke w/ 250 psi on csg. 24 hr Flow Production Test-250 MCFPD. SI.
- 12/18/84: SITP-775. SICP-775. Will Swab Test when road dries up.
- 12/31/84: Rigged up unit. Flowed well down to 30# tbg - 850' fluid in hole. Swabbed well dry. Swabbing 150' every 45-50 min. Shut well in.
- 01/02/85: Tbg-810, Csg-825. Flowing well down and swabbing.
- 01/03/85: Pulled out of hole w/ tbg. Ran pkr in hole to 4412' (no sand). Pull pkr to 4377' and set. Pump 250 gal acid ahead, 500 gal methonal and N₂ at 1000 SCF/BBL. Then 2250 gal 7-1/2% HCL w/ HAI-60, HC-2, and Nitrogen - Displaced to pkr w/ 2% KCL Water and Nitrogen. ISIP=2200 psi. Flowed back load for 2 hrs. Started swabbing acid load back. SION.
- 01/04/85: Tbg Psi=720#. Would burn. FL at 2300' from surface. Swabbed all day. Will SI till Monday.

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01/07/85: Tbg Psi-750#. Csg Psi-750#. FL at 50' from seat nipple. Swabbing.

01/08/85: Tbg Psi-710#. Pulled pkr out. Ran seat nipple open-ended to 4370'. Swabbed hole.

01/09/85: Installing intermitter to flow well periodically. Csg-650 psi. Tbg-620 psi. Would not unload any fluid.

01/16/85: Tbg Psi-650#. Csg Psi-650#. Pulled tbg. Ran in hole with B. Plug to 4310' and set. Pulled tbg to 4100'. Loaded hole w/ 2% KCL H₂O. Spotted 2 BBLs 10% Mor Flow Acid. Pulled tbg out of hole.

01/17/85: Ran 3-1/2" csg gun and perfed at 4060'-64'=10 holes. Ran pkr to 3989'. Broke down perfs at 1000 psi. Avg Rt=3.0 and Avg Psi=1444 psi. Balled zone off. ISIP=750, 5 min=400, 15 min=330. Swabbing back load, good show of gas. Will frac well tomorrow.

01/18/85: Pulled pkr out of hole. Fraced well using Halliburton, 20,000 gal of 30#/gal Pure Gel w/ 2% KCL. Avg Rt=20 BPM, Avg Psi=2450#, ISIP=1600, 5 min=1400, 15 min=1000. Flowed back well at 2:00 p.m. Ran tbg to 4100'. Ck perf, pull tbg to 4014'. Swabbed back frac load. Rigged down pulling unit, rigged up Pedco. Swabbing RBP still in hole.

01/19/85: Swabbed 120 BBLs frac fluid w/ slight gas show. SION.

01/20/85: STIP-0. SICP-150. Swabbed 60 BBLs frac fluid. Flowing gas approx 30 psi on 1/2" choke. Left open overnight.

01/22/85: SITP-550 psi. SICP-550 psi. Blew down, swabbed 1 BBL frac fluid. Rigged down swab unit. Frac load to recover=approx 200 BBLs.

01/23/85: Tbg-650 psi. Csg-650 psi.

02/11/85: Tbg-720 psi. Csg-720 psi. Flowing 30# on 1/2" choke. 200# on csg. Will start swabbing.

02/12/85: Retrieved bridge plug out of hole. Good show of gas. Ran tubing back to 4370'. Swabbed well down. Good show of gas.

02/13/85: Tubing - 780 psi. Casing - 780 psi. Flowed down 50 lbs. on 3/4" choke. Will shut-in for build up. Rigging unit down.

02/18/85: Tubing - 800 psi. Csg-800. Blew down for 2 hrs. Unloading slight mist. Stabilized @ 50 psi on 3/4" choke. Estimated 700 MCFD. Shut in for pipeline connection.
FINAL REPORT!