

McCLELLAN OIL CORPORATION LEEMAN FED. #2
Section 12-T9S-R25E
660' FSL & 660' FEL
Chaves County, New Mexico
Elevation: 3690' G.L.

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MAR 30 1983

G. C. D.
ARLINGTON OFFICE

- 11/21/82: Move in Tex-Mex rig #3. Spud with 12½" bit at 4:30 p.m. 11-20-82. Drilling with fresh water.
- 11/22/82: TD at 900'. Running 8-5/8" casing.
- 11/23/82: Ran 22 joints of 8-5/8", 24# casing to 890'. Cemented with Halliburton, 300 sx Halliburton Lite, ¼# Flocele, 2% CaCl₂, 200 sx Class "C" 2% CaCl₂. Circulated 100 sx. Drilling out at 7:00 a.m. 11-23-82.
- 11/24/82: Drilling at 1632', 2 min/ft.
- 11/25/82: Drilling at 2097'.
- 11/26/82: Drilling at 2562'.
- 11/27/82: Drilling at 3027'.
- 11/28/82: Drilling at 3492'.
- 11/29/82: Drilling at 3960', 4-5 min/ft. Mudded up.
- 11/30/83: Drilling at 4285', 5-7 min/ft.
- 12/01/82: Mudded up to higher Vis. TD at 4510', prep to run logs.
- 12/02/83: Logged with Dresser, CNL-FDC, DLL. Layed down drill pipe. Ran 4510' of 4½", 10½", J-55 casing. Cemented with 400 sx Class "C", 50/50 poz with additives. PD at 2:00 p.m. 12/02/82. Release Rig.
- 12/03/82: Temp Survey after 12 hours: TOC - 3220', PBTD - 4464'.
NO FURTHER REPORTS UNTIL COMPLETION IS ATTEMPTED.
- 1/10/83: Rig up pulling unit. Dresser ran cement bond log from TD at 4450-2600'. Perf well from 4259-4275'. Ran in hole with Maypole packer. Spotted 1 bbl. acid across perfs. Broke down perfs at 600 psi at 2 bbls/min. Pulled tubing to 4193'. Acidized well with 1750 gals acid. ISIP - 900 psi, 15 min - 400 psi. Swabbed well in after 2nd run with swab. 0-psi Good flare to surface.
- 1/11/83: PSI on tubing - 650 psi. Blew well down, swabbed on well for 1 hour - 10 bbls. of fluid. Pulled packer out of hole. Rig up Western to frac. Fraced well with 23,500 gals. of Mini Maxi III, and 27,000# 20/40 sand. Well screened off with 2½ ppg on formation to 4000 psi. Shut well in. Will wash sand in the morning. Rate at beginning of job 24 BBM at 2000 psi.

Perforating intervals: 4259, 61, 63, 65, 67, 71, 73, 75, with 2 JSPF
Total of 16 holes.
- 1/12/83: Washed 700' of sand. Ran tubing 90' below perfs. Pulled tubing to 4229'. Swabbed approximately 150 bbls. frac fluid. Swabbed and blowed well dry. Dropped 5 gals MorFlo II and 20 bbls 2% KCL H₂O. Psi 900# (air) on backside. Put 900# psi down tubing. Shut down and wait ½ hr. Psi bled off 50#. Blew down well & swabbed all fluid out of hole. Left well open overnight to see if any gas or fluid came in.
- 1/13/83: 0 psi - 1000' fluid - Swabbed well dry, swabbing every hour.
- 1/14/83: RU Western, acidize with 2000 gals 7½% acid and Nowsco spotted 40 bbl. 2% KCL water, 3 bbl. acid, break formation down at 600#. Start acid and nitrogen, pumped all acid displacing with nitrogen. Top pressure - 2500# at 2½ bbl/min. ISIP - 2000#, 15 min. - 1700#. Flowed well back swabbed til dark.