

McCLELLAN OIL CORPORATION LEEMAN FED. #2  
Section 12-T9S-R25E  
660' FSL 7 660' FEL  
Chaves County, New Mexico  
Elevation: 3690' G.L.

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- 2/23/83: TP - 0 psi, CP - 0 psi. on vacuum. Swabbed on well; show of gas. Swabbed well dry. Pumped 4 bbls acid displaced with 2% KCL H<sub>2</sub>O. Formation breakdown at 1000 psi. Swabbed KCL out. Pumped 1500 gals of 10% Spearhead Acid. Ball off with 17 balls on. Increased rate to 6.5 BPM at 3200 psi. Flush to top perf. ISDP - 1000 psi. 5 min. - 400 psi, 15 min - 150 psi, 20 min - 0 psi. Swab load back. SION.
- 2/24/83: SITP - 400 psi. Good show of gas. Fracture treated w/20,000 gals. gelled 2% KCL water and 25,000 lbs. 20-40 sand at 14 BPM at 4000 psi., down 2 3/8' tubing. Maintained 1000 psi on annulus. ISIP - 1400 psi, 15 min - 950 psi, SI 4 hours and flowed back load. Started swabbing load water and lost swab in hole. SION.
- 2/25/83: Pulled tbg, pkr and swab out of hole. Circulated sand off perms. Ran tbg. open ended to 4250. Started swabbing back frac load.
- 2/26/83: Swabbing back load.
- 2/27/83: Swabbing back load, good show of gas.
- 2/28/83: TP - 400; CP - 400. Swabbing frac load.
- 03/1/83: TP - 500, CP - 500. Blew down for 1 hour to pit unloading fluid. RD pulling unit. RU air equipment. Jetting fluid w/air.
- 3/02/83: Jetted frac fluid overnight. Recovered est. 100 bbls. FTP-15 psi. w/small amount of water on 3/4" choke.
- 3/03/83: Left well open overnight. Flowing 35# on 1/2" choke. Unloading good spray of water. Ran water analysis, chlorides 40,800.
- 3/04/83: SI
- 3/07/83: TP - 950; CP - 950. Flowed to pit for 1 hour. Flowing T. P. 80 psi. on 1/2" choke. SI.
- 3/08/83: TP - 950, CP - 950. Blew down for 2 hours. Stabilized at 65 psi on 3/4" choke unloading spray of fluid. Killed well with 60 bbls. of 2% KCL water and ran AD-1 packer and tubing to 4294'. Swabbed bottom zone only. Kicked off, flowing 40 psi on 3/4" choke.
- 3/09/83: SITP - 820; SICP - 550. Blew down in 30 minutes. 500' of fluid in tubing. Swabbed approximately 100' every 30 minutes with gas flowing 28 psi on 3/4" choke. Left open overnight on 1/2" choke. RD Pulling unit.
- 3/18/83: Stabilized rate from bottom zone - 400 MCFD. Pumped 50 bbls 2% KCL water down annulus. Pulled packer and ran tubing open-ended to 4244'. Swabbed back fluid. Well kicked off flowing gas and water to pit. Left flowing overnight.
- 3/24/83: Ran 24 hour production test against 200 psi back pressure producing at an average rate of 676 MCF with a stabilized rate of  $\pm 500$  MCFD. Shut in, ran 48 hour buildup. BHP - 371 at 1 hour  
BHP - 968.20 at 48 hour  
Shut in awaiting pipeline connection.