

McClellan Oil Corporation  
MM Fed. #5  
Sec. 25-T9S-R25E  
1650' FNL & 660' FWL  
Chaves County

- 3/22/87: Moved in WEK Rig #1. Prep to spud.
- 3/23/87: Drilling at 610' with native mud. Spudded with 12 $\frac{1}{4}$ " bit at 4:15 pm on 3/22/87.
- 3/24/87: Drilled to 960'. Ran 960' of 8-5/8", 24 lb/ft casing. Cemented with 250 sx Halliburton Lite with 2% CaCl<sub>2</sub>,  $\frac{1}{4}$  lb/sx Flocele & 200 sx class C with 2% CaCl<sub>2</sub>. Circulated 42 sx. WOC - 18 hours. Plug down at 7:00 am. 3/24/87.
- 3/25/87: Drilling at 1470'. MW - 8.6.
- 3/26/87: Drilling at 2545'. MW - 9, Vis - 30.
- 3/27/87: Drilling at 3210'. MW - 9.5.
- 3/28/87: Drilling at 3800'. MW - 9.5.
- 3/29/87: Drilling at 4050'. Mudded up at 3850'. MW - 9.8, Vis - 40, WL - 10. Tripped for bit #2.
- 3/30/87: TD at 4420'. Logged with Schlumberger - CNL-LDT-DLL. Layed down drill pipe and collar. Ran 4392' (106 joints) of 4- $\frac{1}{2}$ ", 9.5 lb casing. PBTD - 4350', short joint at 3500'. Cemented using Halliburton with 250 sx 65/35 Poz, 5 lb salt, .4% Hallad 4, .3% CFR-3. Plug down at 9:45. 1" from 1450' to surface between 8-5/8" & 4- $\frac{1}{2}$ " casing. Released rig.
- No further reports until completion is attempted.
- 4/1/87: Rigged up pulling unit. Picked up 2-3/8" tubing and ran in hole.
- 4/2/87: Rigged up Dresser-Atlas to perforate. After 6 hours down time due to mechanical problems, ran PFC log and perfed 4128,29,30,30 $\frac{1}{2}$ ,31,32 with 1 SPF, .50" holes, 6 shots total and 4221,22,22 $\frac{1}{2}$ ,23 with 1 SPF, .50" holes, 4 holes total. Ran RTTS, RBP and tubing in hole. Shut in overnight.
- 4/3/87: Spotted 1000 gals. 7 $\frac{1}{2}$ % NEFE acid at 4223'. Straddled 4221-23 with RTTS & RBP. Broke down perfs at 1100 psi. ISIP - 600. Straddled 4128-32 with RTTS & RBP. Broke down perfs at 1100 psi. ISIP - 100. Pulled tubing and tools out of hole. Frac down casing with 40,000 gals. gelled 2% KCL water at 34 BPM at average WHTP of 2200 psi carrying 40,000 lbs. 20-40 and 20,000 lbs 12-20. Treating pressure increased to 2500 psi when 3 lb/gal 12-20 was on perfs. ISIP - 1200, 15 minutes - 890. Shut in overnight.
- 4/4/87: SIP - casing on vacuum. Rigged up Schlumberger and perfed 3956 - 3958.5 with 2 JSPF (7 shots); 4002 (2), 03, 06 (2), 07, 08, 09, 10 (2) with selective shooting (10 shots); 4043 - 4048.5 with 2 JSPF (12 shots). Ran RTTS, RBP & 2-3/8" tubing. Spotted acid across all 3 zones. Broke down each zone individually (3956-58.5 broke at 1200 psi; 4002-10 broke at 800 psi; 4043-48.5 broke at 750 psi). Set RBP at 4089'. Tested to 3000 psi. Pulled tubing & RTTS out of hole. Fraced down 4 $\frac{1}{2}$ " casing with 50,000 gals gelled 2% KCL water at 57 BPM with an average WHTP of 2500 psi carying 60,000 lbs 20-40 and 25,000 lbs 12-20. ISDP - 1310 psi, 15 minutes - 1030 psi. Shut in overnight.
- 4/5/87: SIP - 200 psi. Bled down. Washed sand & pulled RBP. Washed sand to 4270'. Pulled tubing to 4120' and nipped up wellhead. Started swabbing back load at noon. 2142 BLTR. Swabbed 200 bbls in 6 hours with fluid level at 1000' from surface. Gas show on 6th run. SI
- 4/6/87: SITP - 20, SICP - 100. Swabbed 300 BLW in 8 hours. Fluid level staying at 1900' from surface. Good gas with each swab. 1640 BLTR. Kicked off flowing gas & load water to pit. Flowing 75 psi on 3/4" choke. Left open to pit overnight.

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- 4/7/87: Flowing 35 psi on 3/4" choke. 360 - CP. Heavy water mist & slugging frac fluid back.
- 4/9/87: Flowing 85 psi on 28/64" choke with lots of load water.
- 4/10/87 Flowing 85 psi on 28/64" choke. Opened to 48/64" choke - stabilized at 40-50 psi, estimated 700 MCFD. Still too wet to burn.
- 4/11/87: TP - 80. Flowing on 32/64" choke. CP - 250. Estimated 500 MCFGPD.
- 4/12/87: Shut well in for build ups.
- 4/15/87: SITP - 900, SICP - 900.
- 4/20/87: Enron will test this week.
- 4/29/85: Enron flow tested well from 4/21 to 4/22/87. Stabilized rate after 24 hours of 733 MCFD. Calculated AOF = 850 MCFD. Shut in; waiting on pipeline connection.

Final Report