

Pogo Producing Company  
MAW State No. 1  
1980' FNL & 960' FWL  
Section 14, 24-S, 27-E  
Eddy County, New Mexico

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9/07/81: SI

9/08/81: SI 38½ hr TP 5100 psi. Flw dry gas 3 hr on 10/64" chk. FTP 5100-1500 psi. Flw 15 BLW in 1½ hr on 18/64" chk. Gas rate 2900 to 400 MCF. FTP 1500-200 psi. Flw 4 hr on 18/64" chk making spray of wtr + 400 MCFD FTP 200 psi.

9/09/81: SI 14½ hr TP 4200 psi. Flw dry gas 1 hr on 18/64" chk. FTP 4200-600. Open Chk to 48/64". Flw 20 BW 7½ hr. FTP 600 - 0 in 30 min. Gas rate 500 MCFD.

9/10/81: SI 15½ hr TP 4000 psi. Flw dry gas 45 min on 8/64" chk. TP 4100 - 600. Flw 7½ hr on 48/64" chk. TP 6050 psi. Flw 37 BW.

9/11/81: SI 15½ hrs TP 3800. Flw 1½ hrs on 18/64" chk. TP 3800-500 psi. Flw 10 BW in 10 min. Flw 2 hr on 48/64" chk, TP 500-0 flw 15 BW in 20 min. Flw 4½ hrs on 6/64" chk, TP 500 psi. Gas rate rate 132 MCFD w/spray of wtr.

9/12/81: SI 15½ hrs TP 3475. Flw 2 hr on 18/64 chk to 48/64" chk. TP 3475-0. Pmp 50 bbl 3% KCL brine wtr down tbq to kill well. Remove tree and install BOP. Pull pkr and tbq.

9/13/81: Pmp 120 bbl 3% KCL brine wtr down csg to kill well. Ran 5" CIPB on wireline and set at 11310'.

9/14/81: Ran tbq and pkr. Spot 100 gal acetic acid 11257-11123. Remove BOP and install tree. Set Baker lok-set pkr at 11103. Perf 5" liner w/2 JSPF w/ 1 9/16" tbq gun 11222-28 (6' - 14 holes) Dowell acidized perf 11222-28 w/300 gal 10% acetic acid. Flush w/250 gal 3% KCL brine wtr w/2gal/1000 gal Clay-Stay. Treated w/4850 psi 1½ BPM. ISIP 4150, 10 min SIP 3810.

9/15/81: SI 10 hr TP 2900. Bled press to 0 in 15 min. Swb 42 BLW in 7 hr. Well swb dry, no gas show.

9/16/81: SI 15 hr TP 600 psi. Press bled to 0 in 5 min. Acid perf 11222-24 w/2000 gal 7½% Morrow Flo acid. Dropped 21 RCN ball sealers flushed 43 BW. All fluid contained 25% CO<sub>2</sub>. Max press 7200 psi. AIR 4 BPM ISIP 4300 5 min SIP 4020, 10 min SIP 3989, 15 min SIP 3950. Balled out perf. Flw & swb 50 BLW in 4 hrs.

9/17/81: SI 15 hrs TP 100 psi. Swb 11 BLW 9 hr & swb dry no gas show.

9/18/81: SI 15 hrs TP 125 psi. Swb 1 BW in 2 runs. Reperf 5" lnr w/2 JSPF w/1 9/16" tbq gun 11220-30 (10' - 20 holes) and 11240-43 (3' - 6 holes) Open well on 18/64" chk.

Flw 5 min TP went from 0 to 1100 psi. Unloaded 10 BLW w/CO<sub>2</sub> in 6 min. TP 1100 to 400 psi. Flw 6 min on 12/64" chk TP 500 psi. Rec 22 BW, gas rate 400 MCFD.

9/19/81: SI 12 1/4 hrs TP 6025 psi. Flw 9½ hrs on 8/64" chk. TP 1850 psi, rec 11 BLW.

9/22/81: NMOCC 4 pt potential test. SI 63½ hrs. TP 6010 psi. Jarrel Wireline Svc. Co. ran BHP bombs w/72 & 120 hr clocks. TP 6000 psig DWT.

| Flow Period | Chk    | TP, psig | Pd, in | Ps, psig | Q, MCFD | Liquids |
|-------------|--------|----------|--------|----------|---------|---------|
| #1 1 hr     | 4/64   | 5587     | 11     | 530      | 490     | 0       |
| #2 1 hr     | 4.5/64 | 5350     | 16     | 540      | 590     | 0       |
| #3 1 hr     | 5.5/64 | 4860     | 38     | 545      | 903     | 0       |
| #4 1 hr     | 7/64   | 4258     | 70     | 560      | 1270    | 0       |

SI 5:00 pm MST 9/21/81 for build-up.

9/23/81: RD rel completion unit. 27 hr SITP 6375 psi.

9/24/81: Jarrel POH w/BHP bombs. Both bombs misran.

9/25/81: Flw well 30 min on 6/64" chk. FTP 5920-5200. Flw 30 min on 8/64" chk TP 5200-4100 SI 10 min, TP increased to 5000 psi. Open well on 10/64" chk. Flw 2½ hrs TP 5000-3600 psi. Gas rate 2 MMCFD. Jarrel ran 2 BHP bombs. SI well.

9/26-29/81: Jarrel Wireline Svc. Co. retrieved BHP bombs after completing 86 hr SI. WO gas pipeline connection.