

# Matador Operating Company

## Pipeline A Federal 8 #2

Sec. 8 T19S R34E

API #30-025-35632

Lea County, New Mexico

**Activity:** SI

**Remarks :** 1100 tbg pressure, 1150 csg pressure

**Date :** 9/9/2002

**Activity:** POOH w/tbg

**Remarks :** 168 hour SITP 1050 psi, SICP 1200 psi. RU Pro wireline. RIH with BHP recorder and wireline to mid perf making gradient stops. POH with same. Recorded a BHP after 140 hour shut in period to be 2281 psi. RD Pro. Release pressure. MIRU Key service rig. ND well head. NU 3K BOP. SWI, SDON.

**Date :** 9/10/2002

**Activity:** RIH with Packer

**Remarks :** POH with tubing. Change out 3K BOP for 5K hydraulic BOP. RIH with type TS - RBP and type HD compression packer. Set RBP at 13495'. Lay down one joint tubing. Packer at 13480' (not set). SWI, SDON.

**Date :** 9/11/2002

**Activity:** Acidize

**Remarks :** RU Schlumberger to pump 2000 gal 15% HCL with NEFE LST and clay stabilizers followed by 2000 gals 6% KCL overflush as follows. (1) 360 bbl 6% KcL to circulate and load casing at 2.5 BPM with good returns after 320 bbls (2) Set packer at 13472' and spaced out, SD pumps 45 mins. (3) Pumped 1750 gals acid with packer by-pass open. No returns up casing. (4) Shut packer by-pass. Pump remainder of acid and displace surface lines with 6% KcL. TP 1170 psi. Shut down. (5) Loaded casing with 10 bbls 6% KcL and pressured to 500 psi. (6) TP 0 psi, CP 0 psi. Began displacing acid with same fluid. After pumping 4 bbls at 1.6 bpm and 1780 psi, the acid reached the perms. The pressure broke back to 530 psi and the casing pressure began to increase. Pumped acid and over flush into perms at 1.6 bpm with pressure increase to 2850 - 3000 psi on tubing and 2500-2650 psi on casing. Pressure stayed constant throughout job after stabilizing at these pressures. (7) ISIP 2822 psi, 5 min 441 psi, 9 min 0 psi, casing pressure 0 after 37 mins. Max pressure tubing 2999 psi, casing 2642 psi at 1.6 bpm. Total fluid pumped into perms 105 bbls. RD Schlumberger. Release packer. Reset packer at 13419'. RU swab. FL first run at 3000'. Made 4 swab runs. Fluid level stabilized at 5000'. Recovered 15 bw. SWI, SDON.

**Date :** 9/12/2002

**Activity:** Swabbing

**Remarks :** SITP 0 psi. Continued swab. FL first run at 5000'. Swabbed 10 hours. Recovered 66 bw. 5 psi gas show behind swab. No oil. Leave open to tank. SDON.

**Date :** 9/13/2002

**Activity:** Swabbing

**Remarks :** FTP 0 psi. Continued swab. FL first run at 3000' and scattered. Swabbed 10 hour. Pulled swab from SN. Recovered 68 bw. 50 psi gas show behind swab. 5% oil. Leave open to tank. SDON. Total fluid recovered: 134 bbls.

**Date :** 9/14/2002

**Activity:** Swabbing

**Remarks :** Well shut in by mistake. 14 hour SITP 1300 psi. Continued swab. FL first run at 11000'. Swabbed 8 hours. Pull swab from SN. Recovered 24 bw. 100 psi gas show behind swab. 20% oil. SWI, SDON. Total fluid recovered: 158 bbls.

**Date :** 9/15/2002

**Activity:** Swabbing

**Remarks :** Open to tank. FTP 12 psi. Flowed 39 bbls overnight. Continued swab. FL first run at 1500' and scattered. Swabbed 3 hours. Pulled swab from SN each run. Recovered 9 bw. 150 psi gas show behind swab. 20% oil. SWI, SDON. Total fluid recovered: 206 bbls.

**Date :** 9/16/2002

**Activity:** Swabbing

**Remarks :** 22 hour SITP 1500 psi. Blew down to tank in 45 minutes. Continued swab. FL first run at 8000' and scattered.