

Matador Operating Company

Laughlin #6
API #30-025-35676

Sec 4, T20S, T37E
Lea County, NM

- 01/10/02 Vacuum truck emptied cellar and pulled water off location. Backhoe started leveling the location.
- 01/11/02 Roustabout crew plumbed casing valves to surface. Backhoe continued to level location and filled cellar. Contractor set and tested mast anchors. MIRU Pool PU. Set in reverse equipment, matting boards and pit rack. Received 126 joints 2-3/8" EUE 8rd 4.7# J-55 Lone Star tubing. Transferred 102 joints EUE 8rd tubing from Bulldog yard. Some tubing tested line pipe and damaged. Complete usable joint count to follow. RIH with 3-7/8" bit, 4-1/2" casing scrapper, 4 3-1/8" DC and tubing. Tagged DV with 2' in on joint #117 at 3810" KB. Electricians started lay out of electrical line. Gas company will start gas line work on Monday. 126 joints tubing from Phillips casing and tubing. Overall length is 4007.67', with threads off, length is 3984'.
- 01/12/02 Roustabout crew and backhoe started building tank pad.
- 01/14/02 Tested casing to 2100 psi - ok. PU swivel and drilled DV from 3810 - 12. Passed bit and scrapper through DV 20 times. Lay down swivel and RIH with tubing. Tagged wiper plug at 6715' KB. RU swivel and drilled DV debris, wiper plug and cement to 6758' KB. Tested casing to 2100 psi - ok. Displace hole with 100 bbls FW. Laid down 5 joints and spot 500 gals 15% NEFE DI HCL with LST at 6600' (Schlumberger). POH with tubing and laid down collars. SWI, SDON. Set 6 500 bbl **frac** tanks and filled with 3000 bbls FW. Roustabout crew and backhoe finished tank pad.
- 01/15/02 ND BOP and installed 7-1/16" 5K **frac** valve. Loaded hole with 13 bbls FW. Tested casing and tubing head to 5170 psi - ok. RU JSI and run GR from 6773' to 5950'. Correlated to HOWCO DL-MG dated 01/07/02. **Perforated** Tubb from 6526 -30', 6564-68', 6596-6600' with 3 SPF, 3-1/8" gun. RD JSI. Loaded hole with 1 bbl. Pumped spot **acid** and formation broke at 3310 with 1 BPM. Increased rate to 3 BPM at 2900 with 6 bbls away. Ending pressure 3050 at 3 BPM. ISIP 2980, 5min 1580, 10 min 840, 15 min 520 psi. Left well shut in. SDON. Contractor set 1 new 300 bbl FG water tank and 4 x 20 heater treater. Contractor moved 2 500 bbl steel stock tanks off the Laughlin #4.
- 01/16/02 Casing on vacuum. Installed tree saver. RU Schlumberger to **frac perforations** 6526-30, 6564-68, 6596-6600. Hole loaded with 2.6 bbls pumped. Pumped 1000 gals 15% NEFE HCL followed by 165 bbls WF-125 to 40 bpm with max pressure at 5160 psi. **Acid** on with pressure decreasing to 4646 psi. Step down 30 bpm, 3960 psi, 15 bpm 3420. ISIP 2836, 5 min 2440, 10 min 2303, 15 min 2206, 20 min 2129, 25 min 2046, 30 min 1987. Start pad - 952 bbls YF-125 at 40 bpm, average pressure 4880 psi. First sand 1# 323 bbls, 12730# sand, 4800 psi. Second sand 2# 415 bbls, 31770# sand, average 4720 psi. Third sand 3# 540 bbls, 59900# sand, average 4600 psi. Fourth sand 4# 281 bbls, 39795# sand, average 4560 psi. Fifth sand 5# 175 bbls, 29889# sand, average 4530 psi. Sixth sand 6# 214 bbls, 39942# sand, average 4565 psi. Flushed with 100 bbls slick water with pressure climbing to 5000 psi. ISIP 3630, 5 min 3513, 10 min 3423, 15 min 3323. Shut in at 11:45 am CST. RD tree saver and Schlumberger. Built flow line to tanks. At 3:00 pm CST, tubing pressure 2500 psi. Started flow back. First hour recovered 46.5 bbs at 2350 psi. Second hour 51.5 bbls at 2150 psi with slight sand. Third hour 60 bbls at 1775 psi. Fourth hour 54 bbls at 1450 psi. Fifth hour 51 bbls at 1050 psi. Sixth hour 44 bbls at 790 psi with trace of oil. Seventh hour 30 bbls at 600 psi. Eighth hour 31 bbls at 480 psi. Ninth hour 31 bbls at 300 psi. Tenth hour 35 bbls at 110 psi on 30/64 choke. Eleventh hour 30 bbls at 40 psi with choke open. Well is making 14-20 bbls per hour at 10 psi with trace of oil and sand. 511 BTLR of 3195 BTL. 2684 BTLLTR. Total sand 214,026# 20/40 Jordan. Roustabout crew started plumbing battery. Gas company set meter run and started gas line. Electrical contractor built power line.
- 01/17/02 Well flowing 14 BPH at 10 psi with 1% oil cut and good gas. Opened well to pit. ND **frac** valve. NU BOP. Start in hole with tubing. Tubing unloaded water, oil and gas. Circulated hole with 15 stands in hole. CIH with tubing pumping in tubing several times to displace oil and gas. Circulated hole with 110 bbls FW. ND BOP. Set TAC with 12 points tension and NU 6" 1500 tubing hanger. SWI, SDON. Roustabout crew plumbed tank to battery. Gas company ran 4" gas line and set meter run. 570 BTLR of 3136 BTL. 2566 BTLLTR.