

MALLON OIL COMPANY

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Amoco Federal #14

Section 28, SW/4 SE/4, T26S-R29E
Eddy County, New Mexico

- 03-03-88 Bladed location. Set anchors.

Daily cost: \$1200.00
Cumulative cost: 141,375.00
- 03-07-88 RU Monument Well Service, unloaded Petco reversing unit, BOP, racks, and 6240' 2 7/8" Used tubing. RU BOP and tubing head - TIH with 4 3/4" Bit, scraper and four 3" collars and 2 7/8" tubing - Tag cement above stage tool - TIH to PBTD at 6100' - Displace fluid in hole with 3% KCL water - Pressure test casing to 2000 psi for 10 min. with no leak off - TOH with tubing, collars, scraper, and bit - Close BOP - SDFN.

Daily cost: \$11,575.00
Cumulative cost: \$152,950.00
- 03-09-88 RU Wellex - Ran CCL-GR from 6102'-4700 - perf. 6028-32', (4 SPF), 5242-45' (4 SPF), 4992-97' (4 SPF), 4871-88' (2SPF) - TIH with 5 1/2" RBP and packer, set plug at 4989' - Set packer @ 4931' - pressure test plug to 2500 psi, no leak off - Raise packer to 4870', spot 2 Bbl 7 1/2% HCL - Raise packer and set @ 4742', pump 1 Bbl water ahead to break down Williamson - Perfs broke from 1100 psi to 790 - Pump remainder 33.7 Bbl 7 1/2% HCL with non-emulsifier, clay stabilizer, iron sequestering agent and surfactant with 72 1.3 SG ball sealers flushed with 37 Bbl 3% KCL, average rate: 4 BPM, average pressure 600# - No noticeable ball action, surge back and allow balls to settle - pump 67 Bbl 3% KCL at 9.5 BPM - 2050 psi ISIP:110 psi, 5 min. SI pressure 40 psi - Flow well back to pit - Began seeing acid water in 40 min. - Began flowing gas and oil in 1 hour, oil cut cont. to increase to 40% after 2 hours and 10 min. flowing.
- 03-10-88 TP: 850 psi - Open well to test - Flowed gas and oil with no water for 30 min. - Pump 25 Bbl 3% KCL water (8.48#/gall.) down tubing, flowing back slowly - Released packer - TIH to RBP and reverse circ. 45 Bbl KCL water to circ. perf balls off plug - Strong flow of gas and oil from tubing along with circ. water, pump 45 Bbl more KCL water with same results - reverse circ. 110 Bbl of produced water (10.25#/gall.), well dead - Released RBP, reset @ 5121' set packer at 5057' and pressure test plug to 2500 psi - raise packer to 4962' pump 250 gall. 7 1/2% HCL with additives, followed by 22 Bbl water, set packer - Break down Amy perfs. (4992-96) with