

McDonald State A/C 2 #31
South Eunice Field
1800' FNL, & 1650' FEL
Unit G, Section 13, T22S & R36E
API #30-025-25932-0000
Lea County, New Mexico

Purpose: Re-complete well from Drinkard to "Eumont" gas zone

PROCEDURE:

1. Notify Hobbs personnel of impending workover.
2. Test safety anchors to 22,500 lbs.
3. MIRU pulling unit
4. Kill well as necessary with lease water.
5. Disconnect surface equipment. Lay down polish rod. POOH with rod string and pump.
6. ND wellhead. Install hydraulic BOP w/ 2-3/8" pipe rams on top and blind rams on bottom. Pressure test BOPE to 2,000 psi against test plug.
7. Release TAC @ 6495' and POOH with 2-3/8" tubing. Visually inspect tubing for paraffin, scale, and wear.
8. MIRU wireline w/ packoff. RIH with 5 1/2" 17.0# gauge ring to 6,520'. Run a wireline set CIBP and set at $\pm 6,500'$. PU bailer and spot 35' of cement on the CIBP then shut-in over night.
9. RIH with packer on 2 3/8" tubing to $\pm 6,460'$. Test the CIBP to $\pm 2,000$ psi. POOH.
10. PU 5 1/2" 17# packer w/ CIBP and RIH on 2 3/8" tubing to $\pm 3,750'$. Set the CIBP and test to 2,000 psi. Test the annulus to 500 psi. Release the packer and POOH.
11. PUH to 3,250' and pickle the remaining tubing with 250 gallons of 15% NE-Fe acid and POOH. Dump 2 sx of sand on the CIBP and shut-in over night.
12. MIRU wireline w/ full lubricator. Test lubricator to 1,000 psi. Perforate the Yates/7 Rivers/Queen w/ a 4" port gun as follows: 2648'-2652', 2690'-2700', 2720'-2734', 2742'-2744', 2750'-2757', 2782'-2786', 2790'-2792', 2812'-2817', 2821'-2823', 2826'-2830', 2839'-2847', 2864'-2868', 2883'-2887', 2894'-2900', 2911'-2917', 2921'-2925', 2980'-2987', 2993'-2997', 3003'-3010', 3107'-3110', 3187'-3189', 3220'-3230', 3242'-3250'. All shots w/ 23 gram charges and 2SPF, 120° phasing.
13. Configure a "PPI" tool such that the packer elements are (10') apart. RIH on 2 3/8" 4.7# N-80 to $\pm 2,648'$. Set packer, drop SV and test tubing to 5,000 psi, fish SV. Drop FCV.
14. MIRU Halliburton and acidize the Yates/7 Rivers/Queen with 4,000 gallons of MOD-101 via the PPI tool @ $\pm 1-2$ bpm. It is anticipated that the treatment can be completed w/ 23 tool settings. Pump an average of 30 gals/ft for each perforated section. Record individual breakdown pressures and ISIP's.
15. PU to 2,600', set the PPI and pull the FCV and bottom SV from the tool. Swab back as much of the acid load as is practical.