

Jurnegan State Com. #1  
Baldridge Canyon Field  
Eddy County, New Mexico

Fracture Stimulate Morrow

Procedure

1. MIRU slickline unit. RIH with a tubing plug suitable for a 1.875" "F" profile. Set plug and POH.
2. MIRU PU. Release pressure from well. ND wellhead. NU BOP. Using ON/OFF tool, POH with 2-3/8" 4.7# EUE J-55 tubing. Leave packer with plug at 10,155'.
3. Order and obtain 10,500' of 2-3/8" 4.7# EUE N-80 tubing. Return 2-3/8" J-55 tubing to Artesia pipe yard.
4. RIH with 2-3/8" 4.7# EUE N-80 tubing to packer. Before latching onto packer, circulate 250 gallons of 15% HCl/xylene mixture through tubing and out of casing. Flush acid/xylene mixture with 4% KCl containing corrosion inhibitor and radioactive tagging agent.
5. Set tubing into ON/OFF tool and lock. ND BOP. NU wellhead.
6. RU slickline company. RU pressure control. RIH and remove tubing plug. POH.
7. RU wireline company. RU pressure control. RIH with GR-CCL-Temp log and obtain base log. POH.
8. MIRU stimulation company. RU wellhead isolation tool. Place, maintain, and monitor 2000 psi on tubing-casing annulus. Pump radioactively tagged "dummy frac" as follows:

Fluid Volume:	8,000 gal (Including tubing volume)
Proppant:	None
Treating Rate:	10 bpm
Estimated Treating Pressure:	7,700 psi
Maximum Treating Pressure:	8,000 psi

Flush with same treated 4% KCl to bottom perforation.

9. RU wireline company. RU wireline pressure control. RIH with GR-Temp tool and obtain post treatment logs. Determine fracture height and major zones of treatment. Discuss with project engineer and evaluate possible changes to fracture stimulation design.