Legal No. 2
Jalmat (Gas) Field
Lea County, New Mexico

Project Engineer: K. L. Midkiff

Office: (915) 686-5714
Residence: (915) 686-8650

1. MIRU PU. ND wellhead, NU BOP. POOH with tubing if any is still in the hole. Deliver ±3000' of 2 7/8" 6.5# N-80 workstring to location.

2. Pick up workstring and RIH with 7" 20# casing scraper to ±2676'. POOH. RIH with bit and 4 1/2" 10.5# casing scraper to ±3000'. POOH.

3. MIRU wireline company. Run GR/CCL log from 3050' to 2750'. Set 4 1/2" CIBP at ±2990'. Test casing and plug to 1000 psi. Perforate Yates with 3 1/8" select fire guns with 1 SPF at 2785', 87', 92', 94', 96', 2805', 16', 2834', 46', 48', 50', 55', 58', 80', 84', 88', 2902', 06', 10', 14', 32', 34', 36' (23 shots). POOH with wireline.

4. RIH with a 4 1/2" treating packer to 2950'. Set Packer and test CIBP to 3800 psi. Release packer. Spot 150 gallons of 15% NEFe HCl across perforations. Pull up to ±2710' and set packer. NU surface lines and test to 4000 psi. Breakdown perfs with 1350 gallons of 15% NEFe HCl acid. Space out 35 7/8" RCNBS (Sp. Gr. = 1.3). Flush with 2% KCl water.

Treating Rate	=	3 BPM
Anticipated Pressure	=	1200 psi
Maximum Pressure	=	3800 psi

Release packer and run through perfs. Reset packer at ±2710'.

5. Fracture stimulate Yates down 2 7/8" tubing with 31,000 gallons of 50-Quality CO_2 foam and 92,000 lbs of 12/20 mesh Brady sand.

Treating Rate	=	25 BPM
Anticipated Pressure	=	4600 psi
Maximum Pressure	=	7650 psi @ 25 BPM
Maximum Pressure	=	3800 @ 0 BPM

Stage	Fluid	PPg	Volume (gal)
Pad	50-Q Foam	0	11,000
1	50-Q Foam	1	2,000
2	50-Q Foam	2	4,000
3	50-Q Foam	4	4,000
4	50-Q Foam	6	7,000
5	50-Q Foam	8	3,000
Flush	50-Q Foam	0	±700

Shut well in for 60 minutes, then open on 16/64" choke and flowback overnight.

6. Kill well with 2% KCl water. Release packer and POOH. RIH with bit and clean out with foam to CIBP at 3000'. POOH laying down workstring.

7. If well had no tubing in step #1, then deliver 2 3/8" J-55 production tubing string. RIH with MA, Perf sub, SN, and production tubing to ±2750'. Deliver 3/4" Norris 90 steel rod string. RIH with Stanley Filter 2" x 1.25" x 16' RHBC pump, and 3/4" rods. Clamp off rods and RDMO PU.

8. Lower tubing to one joint off bottom in 10 days.

9. Production personnel will set pumping unit.

Approved: _____ Date: _____
T. J. Harrington