

Shell State No. 3
Jalisco Field
Lea County, New Mexico

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1. MIRU PU. Kill well with 2% KCl water. ND wellhead, NU BOP. Tag bottom and POOH with tubing. If PBTD is above 3180', then RIH with bit and clean out to $\pm 3185'$. POOH with tubing.
2. MIRU Wireline company and Servo-Dynamics. Run GR/CCL log for correlation. RIH with stress-frac tool (2 1/2" x 12'). Position tool at 3134' - 3146'. Load hole with 2% KCl water and fire tool. POOH with stress-frac tool. Cut off any frayed wireline and pour new rope socket. RIH with 2 1/2" x 10' stress-frac tool. Position tool at 3091' - 3101'. Load hole with 2% KCl water and fire tool. POOH, cut any frayed wire, and pour new rope socket. RIH with 2 1/2" x 12' stress-frac tool. Position tool at 3056' - 3068'. Load hole with 2% KCl water and fire tool. POOH, cut any frayed wire and pour new rope socket. RIH with 2 1/2" x 12' stress-frac tool. Position tool at 3036' - 3048'. Load hole with 2% KCl water and fire tool. POOH. Fish any lost tools with overshot.
3. RIH with production tubing to $\pm 3150'$. ND BOP, NU wellhead. Swab well in. RDMO PU. Test for two weeks. If gas rate is insufficient, continue with procedure.
4. MIRU PU. Kill well with 2% KCl water. ND wellhead, NU BOP. Tag bottom and POOH with tubing. Deliver 2 7/8" 6.5# N-80 workstring to location.
5. If PBTD is above 3180' then RIH with bit and clean out to $\pm 3185'$. If PBTD is below 3195' then dump-bail sand to 3190'. Make casing scraper run.
6. RIH with treating packer on workstring to $\pm 2900'$. Load annulus and set packer. Test annulus to 1000 psi.
7. MIRU Stimulation company. Fracture stimulate Yates down tubing with 21,000 gallons of 50-Quality CO₂ foam and 77,000 lbs of 12/20 mesh Brady sand.

Treating Rate = 25 BPM
Anticipated Pressure = 2600 psi
Maximum Pressure = 4800 psi @ 25 BPM (70% of rated plus friction)
Maximum Pressure = 3350 psi @ 0 BPM (70% of rated)

Stage	Fluid	EPG	Volume (Gall.)
Pad	50-Q Foam	0	7100
1	50-Q Foam	2	1700
2	50-Q Foam	4	2100
3	50-Q Foam	6	5000
4	50-Q Foam	8	4400
Flush	50-Q Foam	0	± 700

- Shut well in for 60 minutes then flow back on 16/64" choke for 24 hours.
8. Kill well, release packer, and POOH. RIH with bit and clean out hole to 3420' with foam. POOH and lay down workstring.
9. RIH with SN and production tubing to $\pm 3000'$. ND BOP, NU wellhead. Swab well in and turn to production.
10. Lower tubing to $\pm 3390'$ in 10 days.

Approved: _____

T. J. Harrington

Date: _____