## Midstream 16 State Com. #1 Illinois Camp North (Morrow) Field Eddy County, New Mexico

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## Procedure

- NOTE: Treated 2% KCl water consists of 5 qts/1000 gal of Tretolite WF-15 added to normal KCl water, or use treated KCl water provided by stimulation company when present.
- MIRU PU. Kill well with 2% KCl water. Load backside also. ND wellhead, NU BOP. Release packer and POOH. Send packer to shop for redressing (redress as 10,000 psi packer). Load frac tank with 350 bbl of treated 2% KCl water from stimulation company.
- 2. RIH with casing scraper to 10000'. POOH with tubing and scraper. MIRU wireline company. Set CIBP at 9950'. Bail 35' of cement on CIBP. Set another CIBP at 9800'. Bail 35' of cement on CIBP. POOH with wireline. Run GR/CCL log for correlation from 6500' to PBTD. POOH.
- 3. RIH with 10,000 psi Guiberson UNI-VI packer, 1.781" SN, and 2 3/8" tubing to 9500' but do not set. Pickle tubing with 600 gallons of 15% NEFe HCl acid. Flush to bottom of tubing. Reverse acid out with packer fluid (2% KCl water with 10 gal/1000 gal of Tretolite KW-170 added). Set packer at ±9500'. ND BOP, NU wellhead. Hydrotest tubing in hole.
- 4. Pressure test tubing and wellhead to 5000 psi. Swab tubing down to 4500' from surface.
- 5. RU wireline with 5000 psi lubricator. Test lubricator to 5000 psi. RIH with Enerjet II strip guns and perforate Strawn with 2 JSPF from 9598'-9622'. POOH and release wireline.
- 6. If well will flow allow it to unload and clean up. RU stimulation company. Install tree saver and NU surface lines. Test lines to 6000 psi. Breakdown perforations with 1500 gallons of 7 1/2% NEFe HCl acid. Evenly space out 72 7/8" RCNBS (sp. gr. = 1.1) through job. Flush with 39 bbl of treated 2% KCl water. If ballout occurs surge balls and switch to flush. RDMO stimulation company.

Treating Rate = 4 bpm Maximum Pressure = 6000 psi

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- 7. Swab well in and place on test. Allow 2-3 days for cleanup. Report rates and pressures to Midland office. If Strawn is economical then RDMO PU.
- 8. If Strawn is uneconomical then kill well with treated 2% KCl water. ND wellhead, NU BOP. Release packer and POOH with packer and tubing.
- 9. MIRU wireline company. Set CIBP on wireline at 9540'. Bail 35' of cement on plug. POOH with wireline. Load hole with treated 2% KCl water. RU wireline packoff. RIH with 3 3/8" casing guns and perforate Wolfcamp with 4 JSPF from 8347'-8364' (68 holes). POOH with wireline. Release wireline company.
- 10. RIH with Guiberson UNI-VI packer, 1.781" SN, and production tubing to  $\pm 8250'$ . Pump 147 bbl of packer fluid (2% KCl water with 10 gal/1000 gal of Tretolite KW-170 added) down annulus. Leave tubing open to allow circulation. Set packer at  $\pm 8250'$ . ND BOP, NU wellhead.
- 11. RU stimulation company. Install tree saver. NU surface lines and test to 6000 psi. Breakdown perforations with 2000 gallons of 15% NEFe HCl acid. Evenly space out 102 7/8" RCNBS (sp. gr. = 1.1) through job. Flush with 35 bbl of treated 2% KCl water. If ballout occurs surge balls and switch to flush. RDMO stimulation company.

Treating Rate = 4 bpm Maximum Pressure = 6000 psi

12. Swab well in to recover acid. RDMO PU. Place well on production and report rates and pressures to Midland office.

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## MECHANICAL DATA

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Type Tubular:	00 (ii)	ID (in)	Weight (#/ft)	Grade	<u>Conn.</u>	Depth (ft)	Collapse (psi)	Burst (psi)	Capacity TOC (BPF) (ft)	10C (ft)
Surface Casing	13 3/8	13 3/8 12.715	48	H-40	i I	410	770	1730	.1570	Surf
Intermediate Casing	8 5/8	8.097 24/	24/32	S-80/K-55		2729	1370	2950	.0636	Surf
Production Casing	5 1/2 5 1/2	4.892 4.892	17	K-55 N-80		0-6925 6925-10650	4910 6280	5320 7740	.0232 .0232 7	7225(temp)
Tubing	2 3/8	2 3/8 1.995	4.7	<b>N-8</b> 0	8rd EUE	10363	11780	11200	.00387	

329.8