

**Checkerboard 23 Fed #2
West Red Tank Field
Lea County, New Mexico**

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Recommended Workover Procedure

NOTE: Contact Artesia Production office and request to hot water well ± 2 days prior to workover.

1. MIRU PU. POOH w/ pump and rods laying down 46 7/8" rods, 120 3/4" rods, and 119 1" rods (stand back remaining rods; see rod design in step #12). ND WH. NU BOP.
2. Release TAC and POOH with $\pm 9,718'$ 2 7/8" 6.5# tubing and TAC.
3. RU Cementing Co. RIH w/cement retainer on 2 7/8" tbg. Set cement retainer at 9,730'. Pressure up backside to 500# to test retainer. Squeeze perforations 9,752' - 9,836' with 150 sx of Class "H" cement. Sting out of cement retainer. Reverse excess cement out of tubing. POOH with tubing laying down 4,900' 2 7/8" tbg. RDMO Cementing Co.
4. MIRU wireline unit. NU packoff. RIH with 4" casing guns and perforate the following interval 4 JSPF, 120° spiral phasing.

Interval
4,902'-4,916'

Shots
56

POOH. RDMO wireline company. ND packoff head.

5. RIH with treating packer and ± 155 jts 2 7/8", 6.5# tubing. Set packer at $\pm 4800'$. NU stimulation valve.
6. MIRU Stimulation Company. Test surface lines to 5000#. Load and monitor 2 7/8" x 5 1/2" annulus. Pump 750 gal. of 7 1/2% NEFe HCL Acid. Space out 100 7/8" (1.3 SP. GR.) RCNBS throughout job. Displace acid with 2% KCL water. Record ISIP, and 5, 10, and 15 minute SIP's

Anticipated Treating Rate	=	5 - 6 BPM
Anticipated Treating Press	=	2,300 psi
Maximum Treating Press	=	4,250 psi

7. ND stimulation valve. Swab back acid load. Continuue swab testing well reporting volumes and cuts to Midland office. Release packer and RIH past bottom perf to knock off RCNBS.
8. POOH with 2 7/8" tubing and treating packer.
9. RIH with production tubing as follows:
 - 1 jt 31' x 2 7/8" MA (open ended)
 - 1 4' x 2 7/8" Perf'd Sub
 - 1 SN (2.25" ID)
 - 2 jts. 2 7/8", 6.5#, N-80 8RD EUE Tubing
 - 1 2 7/8" x 5 1/2" TAC
 - ± 154 jts 2 7/8", 6.5#, N-80 8RD EUE Tubing

Set SN at $\pm 4,850'$.