

NEW MEXICO STATE "BL" WELL NO. 1
Lea County, New Mexico

Location: 330' FNL & 1980' FWL of Section 16, T-13-S, R-32-E
Elevations: KB 4358'
GRD 4346'
CHF 4339'

RE-ENTRY & COMPLETION PROCEDURE

June 6, 1975

- 1) Dig out cellar with back-hoe.
- 2) Move in and rig up double derrick pulling unit.
- 3) Cut off steel plate welded to 13 3/8" casing. Weld on 4 1/2", 13.50#, N-80 and 8 5/8", 24#, K-55 lift subs.
- 4) Pick up 8 5/8" casing and land on clamp with 5000# tension. Weld on 8 5/8" S/O x 10" - 3000 casing flange.
- 5) Pick up 4 1/2" casing and land in 10" flange with 40000# tension.
- 6) Install 10" x 6" 3000 tubing spool and BOP.
- 7) Pick up 3 3/4" bit, 6 - 3 1/16" OD drill collars on 2 3/8" tubing and drill out cement plugs from surface to 70' and 10700' to 11120'.
- 8) Pull bit up to 11100' and change hole over to 2% KCL fresh water w/corrosion inhibitor.
- 9) Spot 500 gals Western Co. 15% DS-30 acid with 1 gal I-15 and 10# XR-2 from 11100' to 10300'. Pull out of hole and lay down collars and bit.
- 10) Perforate Penn using 3 1/8" OD casing gun at 11000', 02, 24, 26, 28, 30, 32, 34, 49, 50, 51, 72, 74, 97 and 11099' (15 holes).
- 11) Run 4 1/2", 13.50# Baker Lok-Set packer on 2 3/8" tubing to 10970'.
- 12) Pump 6 1/2 bbls 2% KCL fresh water with corrosion inhibitor down 2 3/8" x 4 1/2" annulus and space out and set packer in neutral.
- 13) Remove BOP and land tubing on 6" 3000 x 2" 5000 x 2 3/8" EUE 8rd Bonnett.
- 14) Break down perforations and acidize with 500 gals spot acid.
- 15) Swab back load and test.
- 16) If low productivity, acidize with 2000 gals 15% DS-30 acid with 4 gals I-15 and 50# XR-2 and drop 2 - 7/8" RCN ball sealers after each 150 gals acid pumped (22 balls total).
- 17) Swab and test.

WOOD & LOCKER, INC.
June 6, 1975
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