

Plains Unit Federal #7
Lusk (Delaware)
Lea County, New Mexico

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PROD. SERV.

RECOMMENDED WORKOVER PROCEDURE

- 1) Deliver to location 7,400' (± 242 jts) of 2 7/8" 6.5# J-55 8 rd EUE tubing that has been inspected.
- 2) MIRU PU. ND WH. NU BOP. POOH with rods and pump. RU scanalog. Release TAC and POOH laying down tubing inspecting with scanalog. ND Scanalog head.
- 3) MIRU wireline company. NU packoff head. RIH w/CIBP for 5 1/2" 17# casing on wireline. Set CIBP @ $\pm 4,870'$. POOH. ND packoff head. RD Wireline Company.
- 4) RU Cementing Co. RIH w/cement retainer for 5 1/2" 17# casing on 2 7/8" tbg. Set retainer @ $\pm 4,600'$. Squeeze perforations 4,712'-4,732' and 4,840'-4,860' with 100 sx Class "C" cement. Sting out of cmt retainer. POOH w/tbg. RDMO Cementing Co. WOC.
- 5) MIRU reverse unit and power swivel. RIH w/bit for 5 1/2" 20# casing on 2 7/8" tubing. Drill out CICR, cement, and CIBP. Circulate hole clean and POOH.
- 6) RU wireline company. NU packoff head. RIH w/CIBP for 5 1/2" 17# casing on wireline. Set CIBP @ $\pm 6,475'$. POOH. ND packoff head. RD Wireline Company.
- 7) RU Cementing Co. RIH w/cement retainer for 5 1/2" 17# casing on 2 7/8" tbg. Set retainer @ $\pm 6,350'$. Squeeze perforations 6,455'-6,468' with 100 sx Class "C" cement. Sting out of cmt retainer. POOH w/tbg. RDMO Cementing Co. WOC.
- 8) MIRU reverse unit and power swivel. RIH w/bit for 5 1/2" 20# casing on 2 7/8" tubing. Drill out CICR, cement, and CIBP. Clean out wellbore to cement @ $\pm 7,275'$. Drill out cement to 7,350'. Circulate hole clean and POOH.
- 9) MIRU Wireline Co. NU packoff head run CBL/CCL log from $\pm 7,350'$ to 6,800'. POOH. Correlate log with Lane Wells acoustilog dated 6/8/64.
- 10) If CBL indicates no cement behind zones of interest, a squeeze procedure will be provided.
- 11) RIH with packer and 2 7/8" tubing to 6,400'. Set packer at $\pm 6,400'$. Pump down tubing and pressure up to 500 psi to test squeezed perms 6,455'-6,468'. Pressure up on backside to 500 psi to test squeezed perms 4,712'-4,860'. POOH.
- 12) RU Wireline Co. NU packoff head. RIH w/4" casing guns and perforate the interval 7,240'-7,260' with 4 JSPF, 60° spiral phasing. (80 holes total). POOH. RD Wireline Co. ND packoff head.
- 13) RIH w/treating packer for 5 1/2" 17# casing on 2 7/8" tubing. Set packer @ $\pm 7,140'$. Load 2 7/8"x4 1/2" annulus with 2 % KCL water.

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