

FEDERAL #17-1

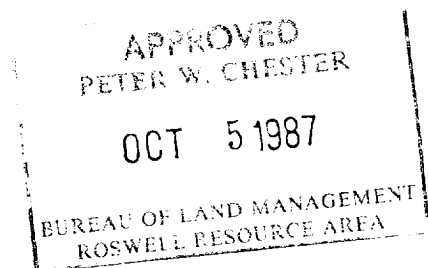
Moved in Lanex Rig C-8, Rigged up & spudded 17½" hole @ 11:30 PM on 11/17/84. Drilled to 516', circ & cond hole for 13-3/8" casing. Bull Rogers casing crews ran 14 jt 13-3/8" 48# 8RS R-3 "A" casing. MU Dowell cement head and circ casing. Pressure test lines to 5000 PSI, pump 10 bbl fresh water ahead of cmt and cmt w/500 sx Class C + 2% CaCl<sub>2</sub>, plus 1/4#/sx Cellophane flakes, circ 150 sx cmt. Bumped plug w/500 PSI @ 5:00 AM 11/19/84. 8 hrs WOC. Install 13-3/8" SOW x 11" 3M# C1W casing head, test weld to 500 PSI, OK. NU 13-5/8" wear bushing, choke manifold, kill lines, 10" SM# Double Shaeffers, 10" 5000# Shaeffer Annular BOP. Pressure test casing to 1000 PSI, OK. Blind rams to 1000 psi, pipe rams to 3000 PSI, Dart Valve to 3000 PSI, drilled cement plug, insert float and 20' cmt and test casing to 1000 PSI, OK.

Drilled to 2880', RU Schlumberger and ran DLL Micro SFL w/GR & Caliper, BHC Sonic w/GR & Caliper. Loggers TD 2883' RD loggers. RU 8-5/8" casing tools, ran 73 jt 8-5/8" 24# K-55 8RS R-3 "A". Float shoe @ 2,876 and float collar 1 jt up. Dowell cmt'd with 600 sx Lite wt plus 7#/sx D-44 plus 1/4#/Sx D-29 (202 bbl., SW = 12.7 ppg SY = 1.89 cu ft/sx). Tailed w/300 sx Class "C" + 2% CaCl<sub>2</sub> (71 bbl, SW = 14.8, SY = 1.32 cu ft/sx). Plug down w/1000 PSI, final pressure 1500 PSI. Displaced w/180 bbl fresh water. Circ 15 sx cmt to surface. Bled off pressure, floats held OK. PU BOP's and install 13-5/8" x 8-5/8" C1W slips w/60,000# string wt. Install and test 12" 3000# x 10" 3000# "WF" C1W csg spool, test seals to 750 PSI, OK. NU 11" 5000# BOP's and test all valves and rams to 3000 PSI, OK - Hydril to 1500 PSI, change out Kelly Cock Valve & install bell nipple & flowline. Finish installing flowline. TIH to float collar @ 2834'. Test casing to 1500 PSI for 1/2 hr., OK. Drld FC & cmt, tested casing to 1500 PSI for 1/2 hr. Drld cmt and shoe @ 2876 on 11/28/84.

Drilled to 11376 & TOH to log. Schlumberger ran CNL-LDT w/GR & Caliper, DIL w/GR, BHC Sonic w/GR & Caliper. Ran velocity survey. Condition hole to run DST #1. TIH w/DST tools, ran 875' fresh water cushion, set B & M packer @ 11,252', top packer @ 11,148' held for 1 min. Could not get packers to hold TOH & LD DST tools. Prepare to P & A well. Spotted P & A plugs as follows:

|           |                                                       |                                    |
|-----------|-------------------------------------------------------|------------------------------------|
| Plug #1   | 10700'-10350'                                         | 100sx Class H (15.6 ppg, y = 1.18) |
| Plug #2   | 7810-7450'                                            | 100sx Class H                      |
| Plug #3   | 5695'-5350'                                           | 100sx Class H                      |
| Plug #4   | 2926'-2836'                                           | 100sx Class C                      |
| Plug #5   | 50' inside 8-5/8" Casing (40sx, Class C, SW 14.8 ppg) |                                    |
| SY = 1.32 |                                                       |                                    |

Released rig @ 10:00 A.M. Mountain Time 1/15/85.



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