

ROBERT N. ENFIELD
HUDSON FEDERAL NO. 3
LEA COUNTY, NEW MEXICO
COMPLETION REPORT
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- 9/23/89: SITP 2300 psig, SICP 1800 psig. Bleed off small amount of water and little acid gas. Pick up on packer. Pulled on packer and it came free. Pull out of hole, recovered only top of packer and mandrel, left packer rubber, 4 joints tubing and tail pipe with 4' perforated nipple. Ran back in hole with 5 joints tubing for tail pipe., seating nipple, Baker Model A-3 Lok-set packer, Baker "FL" on-off tool with 1.87" profile, and 368 joints tubing, bottom of tubing at 12,045', bottom of packer at 11,880'. Set with 12,000# compression. Remove BOP and set well head. Rig up swab. Swabbed 60 barrels load water, recovering small amount acid gas. Pulling swab from 11,800', final fluid level 11,600'. Shut well in at 7:30 PM.
- 9/24/89: Tubing pressure -0- psig, well on vacuum. Crews off.
- 9/25/89: Tubing pressure -0- psig, well on vacuum. Initial fluid level 8000' from surface. Made a total of 4 swab runs. Pulled from 11,800', recovered a total of 15 barrels load with a trace of oil. On 4th run had a gas pocket, estimated 150 MCF, decreased to 10-15 MCF and died in 1 hour. Made one last swab run pulling from 11,800' recovered no fluid, no gas. Layed down swab. Called Mr. Shannon Shaw with the BLM. Got approval to set a CIBP. Removed well head and installed BOP. Loaded hole with 2% KCL water. Release packer and pulled tubing out of hole. Rig up Atlas Wireline and ran 7" CIBP, set at 11,890', dump 10 sacks cement (50') on top. Shut well in at 1:30 AM 9/26/89.
- 9/26/89: Rig up Atlas Wireline and run CBL log and Gamma Ray collar log. Ran log with casing pressure of 1400 psig. Bonding fair to good. Corrected plug back total depth 11,785'. Ran log from 11,774' to 6500'. Top of cement at 7020'. Rig down Atlas Wireline Service and run tubing open ended to 11,268' (349 joints). Shut well in for night.
- 9/27/89: Rigged up Halliburton and spotted 500 gallons 15% NEFE acid with double inhibitor from 11,268' to 10,968'. Pulled out of hole with tubing. Load hole with 2% KCL water and rig up Atlas Wireline 4" Jumbo Perforating gun. Perforated 1 SPF from 11,225' - 11,268' (44 holes). Ran seating nipple, Baker model A-3 Lok-set packer, profile nipple, Baker mode "FL" on-off tool and 345 joints tubing to 11,143' K.B. Pumped 12 barrels 2% KCL water down casing and set packer. Remove BOP and install well head. Pressure up on casing to 650 psig. Pressure up on tubing to 4800 psig, taking fluid at 1.1 BPM. Increase rate to 2.5 BPM, pressure 5240 psig, pumped 15 barrels of flush. Instant shut down pressure 4300 psig, in 5 minutes 4260 psig, in 10 minutes 4230 psig, in 15 minutes 4220 psig. 64 barrels total load water to recover. Flowed back 4 barrels load water. Rig up swab. Swabbed back 24 barrels load water. Final fluid level 5000' from surface. Shut well in at 7:20 MST. Recovered a total of 28 barrels load water. 36 barrels load water to recover.