

ROBERT N. ENFIELD
HUDSON FEDERAL NO. 3
LEA COUNTY, NEW MEXICO
COMPLETION REPORT
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- 9/28/89: -0- tubing pressure. Fluid level 3200' from surface, swabbed a total of 30 barrels load water. Final fluid level 11,000'. Swabbed dry with small amount of gas and trace of oil. Recovered 1/4 bbl acid water on last swab run. Layed down swab and remove well head, install BOP. Called the BLM and got permission to set CIBP at 11,200' with 50' cement on top. Load tubing with 2% KCl water. Release packer and pulled out of hole with tubing. Rig up Atlas Wireline and ran and set CIBP at 11,200'. Dumped 10 sacks cement (50') on plug. PBID 11,150'. SI at 9:30 PM for night.
- 9/29/89: Went in hole with tubing open ended to 11,038', spotted 500 gallons Acetic acid from 11,038' to 10,738'. Pull out of hole. Rig up Atlas Wireline Co. and go in hole with 4" deep select pen casing gun and perforate from 11,016' to 11,018' (5 shots/foot), and perforated from 11,034' to 11,038' (5 shots/foot). Go in hole with Seating nipple, Baker "A" lok-set packer, 4' sub, Baker "FL" on off tool with 1.87" profile, and 339 joints tubing. Bottom of tubing at 10,951'. Load hole with 2% KCL water, set packer, Nipple down BOP and nipple up well head. Bottom of packer at 10,946', on-off tool at 10,942'. Rig up Howco, pressure to 2200 psig, bleed back to 1000 psig in 5 minutes, repeated above step for 1 hour and 45 minutes. Pumped total of 17 barrels. Maximum pressure 2200 psig. Instant Shut down pressure 2100 psig, 5 minutes 900 psig, 10 minutes 750 psig, 15 minutes 650 psig. Total to recover 59 barrels load water, flowed back 4 barrels and swabbed 16 barrels load. Total recovery for day 20 bbls load water. Shut down for night at 7:15 PM MS1.
- 9/30/89: Shut in tubing pressure 600 psig. Fluid level at surface. Rig up swab. Swabbed 9 barrels load with trace of oil. Well started flowing first hour recovered 21 barrels load, 12 barrels oil on 1/2" choke FTP 50-100 psig. Second hour flowed 10.5 barrels oil and 2 barrels load on 2 1/4" choke. Third hour flowed 10 barrels oil 2 barrels load on 2 1/4" choke with FTP 260 psig. Average recovery 10-12 barrels oil with trace of water/hour. Total load water recovered in 2 days 55 bbls. Rig down swab and rig up HOWCO. Acidized perforations with 2000 gallons 15% NEFE acid with 1 gallon 1088/1000 gallons and 8 ball sealers. With pressure of 2200 psig rate 0.4 BPM, maximum rate 1.6 BPM, good ball action. Instant shut down pressure 1900 psig, in 5 minutes 1600 psig, in 10 minutes 1300 psig, in 15 minutes 1250 psig. 92 barrels load to recover. Flow to pit and unload all 46 barrels KCL water. Flowed for 3 hours on 2 1/4" choke, FTP 620 psig, recovered 14 barrels load and 15 barrels oil. Last flow gauge 3 barrels load water/hour and 22 barrels oil/hour on 2 1/4" choke, FTP 760 psig. Recovered 67 barrels load and 55 barrels oil total for day. 25 barrels load to recover. Shut down and move in frac tank and set on location. Shut down for night at 7:00 PM MS1.