

# WORKOVER PROCEDURE

DATE:10/17/90

WELL & JOB: Empire Abo Unit F-321

DRILLED: 6/78

LAST WORKOVER: 6/78

FIELD: EAU

COUNTY: Eddy, NM

BY: RDR

TD: 6210'

PBD: 6210'

DATUM: RKB 10.5'

TUBINGHEAD: Unknown

SIZE:

PRESS RATING:

|          |             |               |              |              |               |            |
|----------|-------------|---------------|--------------|--------------|---------------|------------|
| CASING:  | <u>SIZE</u> | <u>WEIGHT</u> | <u>GRADE</u> | <u>SET @</u> | <u>SX CMT</u> | <u>TOC</u> |
| SURFACE: | 8-5/8"      | 24            | K-55         | 739'         | 370           | surf       |
| INTER:   |             |               |              |              |               |            |
| PROD:    | 5-1/2"      | 15.5          | K-55         | 6158'        | 1230          | surf       |

PERFORATIONS: OH 6158' to 6210', Squeezed perms. 6060' to 6066'.

|               |              |             |             |             |
|---------------|--------------|-------------|-------------|-------------|
| TUBING:       | SIZE: 2-3/8" | WEIGHT: 4.7 | GRADE: J-55 | THREAD: EUE |
| BTM'D @ 6013' | JOINTS: 195  | MISC:       |             |             |

PACKER AND MISC: Lok-set pkr., SN

**HISTORY AND BACKGROUND:** This well was drilled and completed as a flowing oil well. This well has been SI since 1980 due to high GOR. The surface casing builds up to 240 psi in a 24 hr. period.

SCOPE OF WORK: P & A

## PROCEDURE

1. Notify State of New Mexico Oil Conservation Commission District II office (505) 748-1283 of intent to P & A.
2. MIRUPU. Check tubing, annulus and casinghead for pressure. Bled off any pressure and monitor. ND wellhead and NU BOP.
3. Load tubing and release Lok-set pkr. POH with packer.
4. TIH with CICR and set at 6050'. Squeeze OH with 25 sx cement. Dump 5 sx of cement on top of CIBP.
5. POH with stinger. Close blind rams and pressure test casing to 500 psi. TIH OE to TOC and displace hole with MLF.
6. PUH to 2100' and spot plug #1 from 2100' to 1850' with 25 sx cement.
7. PUH to 1340' and spot plug #2 from 1340' to 1090' with 25 sx cement.
8. POH and run CBL from 700' to surface. TIH OE to 800'. Spot 20 plug #3 from 800' to 600'. POH.
9. Perforate and squeeze 8-5/8" x 5-1/2" annulus to shut off bradenhead pressure. (Note: 8-5/8" has stage collar at 386'; had water flow at 538' while drilling).
10. TIH to 100' and set 10 sx top plug.