

WORKOVER PROCEDURE

DATE: 12/28/90

WELL & JOB: EAU # F-33

DRILLED: 1960

LAST WORKOVER:

FIELD: Empire

COUNTY: Eddy/NM

BY: GORE

TD: 6307'

PBD: 6277'

DATUM:

TUBINGHEAD:

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" | | | 1240' | 650 | SURFACE |
| INTER: | | | | | | |
| PROD: | 4-1/2" | 9.5# | K-55 | 6307' | 850 | Surface |

TUBING: 198 joints 2-3/8". SN and KVL -30 packer.
PERFORATIONS: 6184'-6218' & 6244'-6254' (Squeezed perfs @ 5802'-5872' & 1376'')

SCOPE OF WORK: Recomplete to Upper Abo

PROCEDURE

1. MIRU PU. Kill well. NU BOPE.
2. Pull CA. Set CIBP @ 6165' on wireline. Load and test casing to 1000 psi. Perforate Abo 6140'-6150' w/ 2 JSPF.
 - a. Correlate to Schlumberger GR-Neutron dated 6/3/60.
3. TIH w/ packer. Set same @ 6065'.
 - a. If well is on Vacuum will swab test.
 - b. If well does not go on vacuum after perforating spot acid across perfs. Set packer @ 6065' and acidize well with 1500 gallons 15% HCL. Maximum pressure 1000 psi.
4. Swab Test well and evaluate same.
 - a. If non productive continue @ step # 5
 - b. If productive Run Ca as per production and TOTPS.
5. Kill well. POOH. Set CIBP @ 6125'. Load and test casing to 1000 psi. Perforate Abo 6096'-6106' w/ 2 JSPF.
6. TIH w/ packer. Set same @ 6000'.
 - a. If well is on Vacuum will swab test.
 - b. If well does not go on vacuum after perforating spot acid across perfs. Set packer @ 6000' and acidize well with 1500 gallons 15% HCL. Maximum pressure 1000 psi.