

WORKOVER PROCEDURE

DATE: 1-24-90

WELL & JOB: Empire Abo Unit #E-362, Recomplete

DRILLED: 1979

LAST WORKOVER: 11-89, Removed rods.

FIELD: Empire Abo

COUNTY: Eddy, N.M.

BY: M. W. Belcher

TD: 6350'

PBD: 6303

DATUM: 11' RKB

TUBINGHEAD:

SIZE: 7-1/16"

PRESS RATING: 3000

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	750'	650	Circ
DV:				3800'	1450	Circ
PROD:	5-1/2	15.5	J-55	6343'	700	Circ
LINER:	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>TOP</u>	<u>BTM</u>	<u>TO</u>

PERFORATIONS: 6230-40' WO, 6172-78' WO, 6124-36' WO

TUBING: SIZE: 2-3/8"

WEIGHT: 4.7#

GRADE: J-55

THREAD: 8rd EUE.

BTM'D @ 6083

JOINTS: 198

MISC: 2-3/8" x 5-1/2" TAC, 1 - 2-3/8" SN, 2-3/8" PS, 2-7/8" MA W/X-over

PACKER AND MISC: CIBP's @ 6200 & 6165'

BACKGROUND:

EAU #E-362 was originally completed f/6230-40' but this zone subsequently watered out the interval f/6172-78 was tested & found to be wet. The well was recompleted in the interval f/6124-36', but this zone eventually watered out. EAU has strong natural water drive from the east. This well is currently being used to monitor reservoir pressure.

SCOPE OF WORK:

Plug back and test zones at 6062-72' and 6010-20'.

PROCEDURE

1. MIRU PU ND tree, NU BOPE. POH W/2-3/8" tbg & CA.
2. RU WL RIH w/gauge ring junk basket to $\pm 6110'$. POH w/GRJB.
3. RIH w/CIBP on WL & set @ $\pm 6100'$. Test CIBP to 500 psi.
4. RIH w/3-1/8" csg gun. Perf 6062-72' w/2 JSPF (correlate w/GR/CCL dated 7-25-88 f/Hobbs).
5. If well goes on vacuum, set pkr. $\pm 100'$ above perfs and swab test. If not, proceed to step 6.
6. RIH w/tbg & pkr. to btm perf.
7. Spot 100 gal 15% NEFE HCL across perfs.
8. PU $\pm 100'$ & set pkr.
9. Acidize Abo w/1000 gals of NEFE HCL @ 1BPM w/max treating pressure of 1000 psi.