

WORKOVER PROCEDURE

DATE: Oct 28, 1986

WELL & JOB: Empire Abo Unit F 376 Plug back and add Abo perfs

DRILLED: 1979 LAST WO: 6-80 Hole in tubing FIELD: Empire Abo

COUNTY: Eddy PREPARED BY: M. Ellis TD: 6357 PBD: 6302 DATUM: 11' KB

TUBINGHEAD: SIZE 6" PRESSURE RATING 900

CASING INFORMATION:	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>SET @</u>	<u>SX CMT</u>	<u>TOC</u>
SURFACE:	<u>8-5/8</u>	<u>24</u>	<u>K-55</u>	<u>800</u>	<u>500</u>	<u>Circ</u>
PRODUCTION:	<u>5-1/2</u>	<u>15.5</u>	<u>K-55</u>	<u>6457</u>	<u>1900</u>	<u>Circ</u>

PERFS: Abo 6230-6240

TUBING: SIZE 2-3/8 WT. 4.7 GRADE J-55 THD. EUE 8rd BOTTOM: 6150

MISC: Model "R" double grip packer @ 6150' with Kobe pump cavity, pump and SV. DV @ 3002'. Circ cement on both stages.

PROCEDURE

1. RU & pump Kobe pump out of hole.
2. MIRU PU. Fish standing valve with sand line.
3. ND wellhead NU BOP. Rlse packer & POH.
4. RIH w/4-3/4" bit and 5-1/2" casing scraper on 2-3/8" WS to 6220'. POH.
5. RU WL & set a CIBP @ 6215'. Correlate w/Schlumberger GR-CBL dated 2-15-79.
6. Perf Abo from 6196-6203 w/2 JSPF (16 holes). Correlate w/Schlumberger GR-CBL dated 2-15-86.
7. RIH w/treating packer on 2-3/8" WS to 6203. Spot 100 gallons 15% NEFE HCL across perfs. PU & set packer @ 6100'. Test ann to 500 psi.
8. Treat Abo perfs w/1000 gallons 70/30 15% NEFE HCL/Xylene (DAD treatment) @ 1-3 bpm. Flush to bottom perf w/produced water. Max WHP 1000 psi.
9. Swab test.
10. Kill w/produced water if necessary. Rlse pkr & POH LD WS.
11. RIH w/ "R" packer and Kobe pump cavity on 2-3/8" prdn tubing. Set packer @ 6150'. RIH w/standing valve to fluid and drop. Load hole w/produced water. Drop Kobe pump.

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