

NW3W - Section 29-2 - 28E

30-015-21017

Saladar Strawn

NMNM 72621

FEDERAL DC FED. 1

29-20S-28E

ADD STRAWN PAY/RECOMPLETE TO WOLFCAMP

10/14/93

OBJECTIVE: Add Strawn pay. Current Strawn perms 10168-10176' are almost depleted (BHP=340 psi). If unsuccessful, will move uphole and test Wolfcamp.

PROCEDURE:

1. RU Schlumberger and run 1-11/16" dummy gun run to make sure guns will go through tubing and packer assembly.

a) If obstruction exists, decision will be made whether to try to remove it with wireline or slickline techniques.

2. Perforate Strawn as follows with Schlumberger Enerjet Semi-expendable Gun:

a) 10146-10154' (36)

b) Use 1-11/16" Enerjet gun with deepest penetrating charges, 4 SPF.

c) Give Schlumberger advance notice so they can procure and load guns.

3. If gas increases, decision will be made whether or not to straddle 10146-10154' and acidize. If no change is noted after perforating, set SV in packer and continue with Step 4.

4. MIRU WSU. Load tubing and tubing x casing annulus with 2% KCl water. With annulus full, test tubing to 2500 psi. Test casing to 500 psi. ND tree and NU BOP. Get off on/off tool and TOOH with tubing.

a) If casing won't pressure test, use RBP and packer to locate casing leak(s). Decision will be made whether or not to repair casing.

5. RU lubricator and perf Wolfcamp as follows:

a) 8958', 8959', 8960', 8961', 8962' (5)

8986', 8987' (2)

9008', 9009', 9010' (3)

9092', 9093', 9094', 9095', 9096' (5)

9126', 9127', 9128', 9129', 9130' (5)

9168', 9169', 9170' (3)

9278', 9279', 9280', 9284', 9285', 9286' (6)

b) Use 4" casing gun with deepest penetrating charges, 1 SPF, 180 deg. shot phasing.

6. Straddle acidize 9278-9286' with 1500 gals. NE Fe 15% HCl inhibited for 6 hrs. at 150 deg. F as follows:

a) Pump at 2-3 BPM while limiting pressure differential across tubing to 5500 psi.