

To: A. J. Deans

RE: Evaluate Strawn - HEYCO State No. 1  
1980' PHL & 60' FWL, Sec. 2, T-20N, R-30E  
Eddy County, New Mexico

TOTAL DEPTH: 11268' ELEVATION: 3327' GL  
DEPTH : 11030' EB : 11'  
C.A. LOG : 10" @ 136'  
          11 3/4" @ 1593'  
          8 5/8" @ 3916'  
          4 1/2" @ 11268'  
TUBING : 2 3/8" @ 136'-42'  
         305 jts, 4.7#, H=20  
         Seal lock - 10489.32'  
         93 jts, 4.7#, H=20 BBL  
         8 R - 1328.77'  
PACER : Guiberson Uni Vi 4 1/2" X 2 3/8" w/Collar on bit.  
R/OFF TOOL: Guiberson O/O Assy 4 1/2" X 2 3/8" w/1.87" ID profile w/1-  
2 3/8" cross over seal lock to 8 rd EUL.

#### PROCEDURE

1. MI & RU CO. Load tbg & csg w/2% Kel water. ND Tree. NU POP.
2. Ret Pkr & PHL. Load csg w/2% Kel.
3. Post 4 1/2" csg @ 10860' w/4 JSPF.
4. EHL w/E-Z Drill retainer & set on wireline @ 10850'.
5. EHL w/2 3/8" EUL tbg w/stinger. String into retainer. PE Down & Bar at rate.
6. Mix & Squ Perls w/100 sxs cmt. Rev out excess cmt. Pull tbg 60ft.
7. Post 4 1/2" csg 10800' to 10826' w/2 JSPF. THH w/2 3/8" EUL tbg, GH & Pkr.
8. RHH to 10840'; pump 500 gals-15% NE acid to spot; raise tbg & set Pkr @ 10770'. Acidize strawn formation.
9. Swab & flow test.
10. Re-acidize w/2500 gals-15% NE acid, if necessary.
11. If completion attempt fails @ 10820' to 10836' proceed to step 12.
12. Load tbg; Ret Pkr & PHL.
13. EHL w/E-Z drill & set on wireline @ 10800'.
14. Squ perls 10820' to 10826' w/100 sxs cmt. Rev out excess cmt.
15. Post 4 1/2" csg @ 10720' w/4 JSPF. GHH w/E-Z Drill & set on wireline @ 10700'.
16. Squ perls w/100 sxs cmt.
17. Load w/tbg.
18. Reverse unit. Drill out retainer @ 10700' & cmt.
19. Circulate casing clean to 10800'.
20. Reverse Reverse Unit.
21. Post 4 1/2" Csg opposite strawn term as follows:
  - a. 10746' - 48' (2') w/4 holes.
  - b. 10756' - 62' (6') w/12 holes.
  - c. 10774' - 78' (4') w/8 holes.

12' w/76 holes.
22. THH w/tbg & Pkr to 10800'. Pump 500 gals-15% NE Acid to spot. PU & set Pkr @ 10700'. Acidize Strawn term.
23. Swab & Flow Test.
24. Re-acidize w/2500 gals 15% NE acid, if necessary.
25. Swab & flow test.

Fleck Hixlee, RPE  
May 13, 1982