

RECOMMENDED WORK PROCEDURE

#7

LEASE: State N WELL NO. 2  
ANNULAR FLUID PRIOR TO WORKOVER: NONE W/O FLUID TO BE USED: FR WTR

Contact NMOCD, Hobbs (393-6161) as to conversion to injection well, 24 hours prior to workover.

Contact Operations Engineering (Attn. D.A. Howell), Hobbs (393-9186) prior to workover.

- 1) MIRU PU, Unseat pump, hot oil rods and pump if needed, POH W/rods, lay down rods and pump.
- 2) N.D. wellhead NU and test BOP, Release TAC and tag bottom W/tbg, Remove fill if needed, POH W/tbg, ND BOP, ND wellhead, NU BOP.
- 3) MIRU wireline service, GIH W/ GR tool, Run GR collar log from PBSD to 8600', correlate to Schlumberger Sidewall Neutron Porosity Log (Run 3/27/72). GIH W/CCL and 4" perf. gun 1/2" Premium Charges, 120 degree phasing, 2 JSPF.  
Perf. Abo: 8739', 8740', 8759', 8760', 8765'-8772', 8777', 8783'  
(28 holes) 2 JSPF POH
- 4) GIH W/5 1/2" 15.5 lb permanent Pkr on wireline, set Pkr at (+ or -) 8650'. POH & RD Wireline company. GIH W/ 2 7/8" injection tbg and seal assembly, test tbg to 5000 psig (land tbg W/10,000 lbs slack off). Release from Pkr. & circ. backside W/ 1% by vol. approved Pkr fluid (available in the Buckeye yard). Latch into Pkr, ND BOP, NU INJ. Tree.
- 5) Acidize the Abo perfs. W/6000 gals of 15% NEFE HCL acid + 110 gal of Mutual solvent mixed W/ the first 1000 gal of acid & 7/8" S.G.=1.3 RCNBS (50 balls).

Procedure:

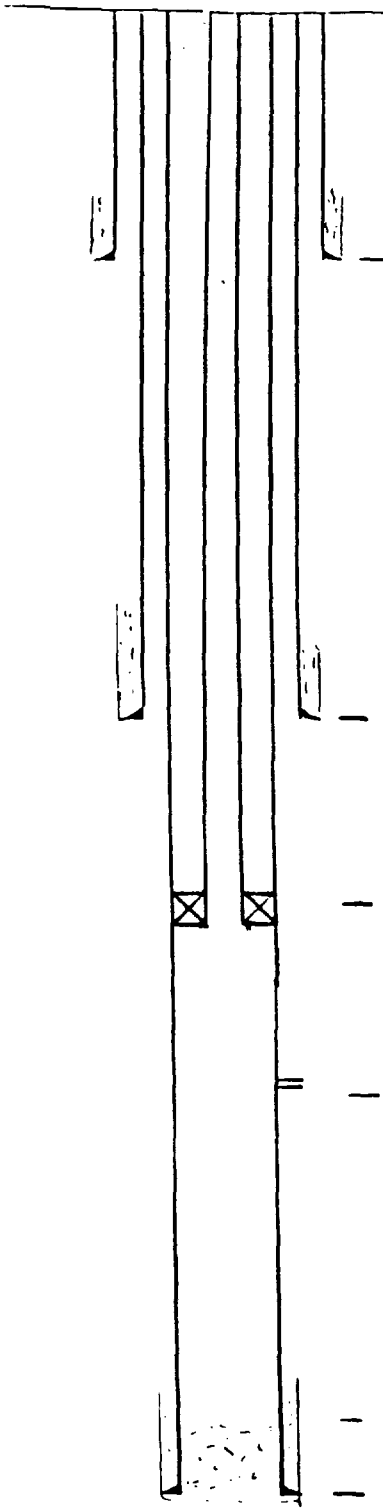
- Hold & Monitor the backside pressure.
  - Pump 500 gal of acid
  - Drop 50 balls
  - Flush to the bottom perf. w/fresh water (40 BBL)
  - Obtain max rate without exceeding 5000 psig
  - SI for 1 1/2 hours
- 6) Flow/ Swab back (+ or -) 190 bbls of fluid, release Pkr & run through the perfs, POH LD tbg.
  - 8) Test annulus to 300 psig/30 min. Notify NMOCD before the test.
  - 9) RD and release PU
  - 10) Put well on injection.

D.A. Howell  
1-13-867

1-15-87

~~AD~~  
1/16/87

Proposed



11 3/4" CSG SET AT 250' W/ 350 SX CMT GRG

8 5/8" CSG SET AT 30'12' W/ 1000 SX CMT GRG

5 1/2" Permanent PKr set @ 8650'

ABO PERFS 8-14-17, 24-28, 33, 41-43, 52-58, 60-62 W/ 2 JSPP (36 HOLES)  
+ 8739', 40', 59', 60', 65'-72', 77', 83' (2 JSPP) (20 HOLES)

*add*  
2 7/8" → (no plastic coated)

PRTD 8909'

5 1/2" 17" + 15.5" CSG SET AT 8970 W/ 1435 SX CMT

TD 8970'

BEFORE EXAMINER STOGNER  
OIL CONSERVATION DIVISION

*MOBIL* EXHIBIT NO. 7

CASE NO. 9072