

ATTACHMENT TO FORM C-103 DATED 03-28-90  
U.D. SAWYER WELL NO. 4

1. MIRU. Prepared to pull tubing. Tubing stuck at 1300'.
2. Pumped 50 BFW down casing. Pumped 4200 gal. 28% Acid down tubing and 2800 gal. 15% NEFE down casing.
3. TOH with 57 1/2 joints 3 1/2 tubing.
4. Fished tubing, cleaned out to 9214'.
5. Rig up Schlumberger, ran electro magnetic thickness survey from surface to 9200'.
6. Continued fishing tubing, cleaned out to 12,513'.
7. TIH with packer and set at 11,571'. Load backside and tested to 300# for 30 min. - held O.K.
8. Pump 4000 gal. 20% HA-I acid into perfs 12,383'-12,400' and OH 12,400'-12,513'. ISIP = Val. Avj. press. = 650#. AIR=5 BPM.
9. TIH with RBP and Pkr. Set RBP at 11,551'. Tested to 2000#. Set pkr. at 7200'. Csg O.K. below. Pump in 3 BPM at 1000# above.
10. Located leak from 1728' - 2380'.
11. TIH with cmt. retainer and set at 1612'. Established rate and pumped 350 sxs Class C cmt. with 2% CLC.
12. Ran bit, tagged cement at 1612'. Drilled ret. & cmt. to 2367'.
13. TIH with 5 1/2" pkr. to 2403'. Test casing to 1000# below. Held O.K. Set pkr. at 1616'. Test csg. above to 500#. Held O.K. Ran 30 minute chart on interval 1616'-2403' at 300#.
14. Washed sand off RPB. POH.
15. Ran 5 1/2" Perma-latch pkr. on 2 7/8" tbg. Set at 11,557'. Pumped 300 bbl. pkr. fluid down casing. Tested casing to 300#. O.K.
16. Placed well back on disposal.

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HOBBS OFFICE