

Recompletion Procedure

Federal 19 No. 1

- 1.) MIRU Pulling Unit.
- 2.) Kill well w/ 2% KCL water.
- 3.) POOH w/ 2-7/8" tbg & Lokset pkr.
- 4.) GIH w/ Baker Model "F" pkr w/ plug in place. Run on wireline & set @ 13,020'±.
- 5.) Dump 30' sand on pkr.
- 6.) Perf 5-1/2" csg w/ 4 way jet @ 10,200' & 10,450'.
- 7.) Set cement retainer @ 10,410' & attempt to break circulation between perfs 10,450' & 10,200'.
- 8.) If successful pump 100 bbls brine + 1000 gals mud flush & 100 sxs Class "H" + 3% Halad 9. Displace cement to cement retainer @ 10,410'.
- 9.) POOH & WOC 24 hrs.
- 10.) GIH w/ bit & C/O to cement retainer. Test perfs @ 10,200' to 2000 psi. Squeeze if necessary.
- 11.) If unable to break circulation between perfs 10,200' & 10,450', swab tbg down & let set overnite. If able to P.I. the next morning, do steps 8 thru 10.
- 12.) If step No. 11 is not successful, squeeze perfs 10,200' & 10,450' w/ 100 sxs Class "H", and do steps No. 9 & 10.
- 13.) Circulate hole w/ 2% KCL water & perf Bone Springs interval 10,360'-74' w/ 2 JSPF from Schlumberger CNL-FDC log dated 5-14-82.
- 14.) GIH w/ Baker Lokset pkr w/ profile & EL Receptacle & set @ 10,330'.
- 15.) Swab test.
- 16.) Treat as directed if necessary and test.

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2/18/83