

TO: A. J. DEANS

DATE: March 29, 1983

Re: SST #1 for evaluation in the Bone Springs formation.
Sec. 6, T-19S, R-29E (G) 1980' FNL & 1980' FEL

WELL DATA

Casing: 13-3/8" @ 418' w/400 sxs. (Circ.)
9-5/8" @ 3665' w/2150 sxs.
5-1/2" @ 11500' w/1700 sxs.
(Note: 5-1/2" csg cut off @ 2288' & POH)

Cement Plugs: 11100' (35 sxs); 8600' (25 sxs); 4230' (25 sxs);
2930' (35 sxs); 475' (50 sxs); surface (20 sxs)

PROCEDURE

- 1) MI & RU pulling unit & reverse unit & BOP. Install dead men.
- 2) Clean out cellar & orange peel 13-3/8" to 9-5/8".
- 3) Weld on 9-5/8" x 11"-3000'.
- 4) Drill out surface plug & rathole machine.
- 5) GIH w/8-1/2" bit, 4 4-3/4" DC's, & 2-7/8" tbg.
- 6) Drill out plug @ 475' & clean out to csg stub (Csg cut @ 2288').
- 7) POH & lay down 8-1/2" bit. GIH w/4-3/4" bit, 4 DC's, & 2-7/8" tbg.
- 8) Clean out inside 5-1/2" csg @ 2288' & work bit through cut off @ 2288'.
- 9) Repeat until smooth, POH.
- 10) GIH w/skirted mill & mill off top of 5-1/2" csg, POH.
- 11) GIH w/Bowen Lead Seal Csg. Patch & 5-1/2" csg.
- 12) Stub over 5-1/2" csg stub. Catch & seal off 5-1/2" csg.
- 13) Press test csg to 1500#/30 min.
- 14) Land 5-1/2" csg & set slips & cut off.
- 15) NU tbg spool & BOP.
- 16) GIH w/4-3/4" bit, DC's, & 2-7/8" tbg.
- 17) Drill out plug @ 4230', POH. GIH w/bit & csg scraper & clean out to 8600'.
POH & lay down 2-7/8" tbg & drilling equipment.
- 18) GIH w/logging tools & run G/R-CCL & CBL from 8600' to 3600'. If cement bond
OK, continue to step #19. If no bond, perforate @ 8280' & 8180' w/4 shots
each. GIH w/Howco retainer on W.L. & set @ 8275', & GIH w/stinger & 2-7/8"
tbg. Break circ. & cement w/Class "H" & FLAC w/chemical wash ahead of
cement. Pull tbg to 8260' & reverse hole clean (WOC 12 hours). Rerun
CBL, G/R & CCL log from 8275' to 8150'.
- 19) GIH w/guns to perforate Bone Spring formation @ 8240' to 8248' w/2 shots
per ft (18 holes).
- 20) GIH w/Model "R" DG pkr, SN, & 2-3/8" tbg.
- 21) Spot 200 gal 20% MSR 100 acid across 8240'-8248'. Pull pkr to 8100' & set
pkr.
- 22) Break down perfs.
- 23) Open by-pass & spot acid to pkr (w/ballsealers), close by-pass & acidize
w/1800 gal 20% MSR 100 & 36 ballsealers.
- 24) Swab back load & test.
- 25) POH w/pkr & tbg. GIH w/anchor, SN, & 2-3/8" tbg. Land @ surface.
- 26) GIH w/pump & rods. Hook up production equipment & pump jack.
- 27) Hook up for production.