

HRS

- 4 14. Flow back and swab if necessary.
15. POP w/1-1/2" pump & 66 rod string w/SN below perfs unless well flows back sand.
16. Hook up PU. Test.

*Frac Fluid to contain:

60 ppt - J347:	Low residue polysaccharide derivative used as a thickening agent.
50 gpt - J110:	Fluid loss additive
2 gpt - F75:	Surfactant used in reducing surface tension.
4 gpt - F78:	Surfactant used as a foaming and silt suspending agent.
5 gpt - L41L:	Iron sequestering agent.
4 ppt - J-218:	Gel breaker.

*15% NEHCL acid to contain the following:

2 gpt - W53:	Nonionic surfactant to aid in minimizing emulsions
4 gpt - L41L;	Iron sequestering agent
2 gpt - A200:	Organic corrosion inhibitor

ACDZ perfs at a rate of 5BPM at a max. treating pressure of 3000 PSI.

Verbal approval from Peter Chester of the USGS (505-622-1332) was given 8-31-81.

Brad Pierce
9-21-81

**Assuming freepoint is not at 8000', recover as much csg as possible.
Perf intervals 7360-7210 and 5635-5535 w/4 way sqz gun and squeeze intervals.
Spot 24 sx cmt plug 75' and 75' out of 4½" csg stub.