

FROEHLICH FEDERAL NO. 1
INTERMEDIATE CASING RECORD

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APR 17 1981

O. C. D.
ARTESIA, OFFICE

Drilled 12 1/4" hole to 1595' K.B. K.B. 4' AGL.

8 5/8" casing run as follows - top to bottom:

49 jts., 8 5/8", 24#/ft., K-55, ST&C csg	1530.50'
Halliburton insert float	-----
1 jt., 8 5/8", 24#/ft., K-55, ST&C csg	29.05
Halliburton guide shoe	<u>1.25</u>
Total string - 50 jts.	1560.80'
Setting depth	1560'

Centralizers were placed at 1530' and 1470' and cement baskets with centralizers were placed at 790' and 505'.

Casing was cemented as follows:

Pumped 120 bbls fresh water followed by 200 sacks "Thickset" with 10#/sack gilsonite, 1/4#/sack flocele and 2% CaCl₂ mixed at 14.2#/gal., 500 sacks Halliburton "light" with 5#/sack gilsonite and 1/4#/sack flocele mixed at 12.5#/gal., and 150 sacks Class "C" with 2% CaCl₂ mixed at 14.8#/gal. Displaced with 95 bbls fresh water. Plug down at 4:00 P.M., March 24, 1981. Cement did not circulate.

Ran 1" tubing outside of 8 5/8" to top of cement at 324'. Cemented down 1" tubing in 4 stages.

Stage 1: 50 sacks Thickset with 4% CaCl₂
Stage 2: 100 sacks Thickset with 4% CaCl₂
Stage 3: 100 sacks Thickset with 4% CaCl₂
Stage 4: 110 sacks Thickset with 4% CaCl₂ and 200 gal flocheck.

Circulated cement to surface. Finished cementing at 2:45 P.M., March 25, 1981.

Tested casing to 800 psi. WOC 24 hours before drilling out.

BDB/lsg
April 6, 1981

