

Cole-Darden Hale State #1 cont.

5. GIH w/5 1/2" CIBP on 2 7/8" WS and set @ ±1600'.
6. PUH to 990' and spot a 100' (50' above and below 8 5/8" csg shoe @ 940') cmt plug 0990'-890' w/30sx Class C cmt w/2% CaCl₂.
7. PUH and spot a 10sx surface plug using Class C cmt w/2% CaCl₂. PRY Hole Marker
8. ND BOP. Cut off casing 3' below ground level and weld on cap w/1" valve³ RR. Restore location.

VERBAL APPROVAL OBTAINED BY PAUL KAUTZ - 5/24/89 - NMOCOD

Approved

M. E. ELLIS *M. E. Ellis* J. SHIELDS *J. Shields* T. L. FITHIAN *T. L. Fithian* D. C. BRADECKY *D. C. Bradecky*

WORKOVER PROCEDURE

DATE: 5/26/89

WELL & JOB: Cole Darden Hale State #1 / Plug and Abandon

DRILLED: 1947

LAST WORKOVER: 280 Test for water entry

FIELD: Vacuum SA

COUNTY: Lea County, NM

BY: B. K. Jones *B. K. Jones*

TD: 4853'

PBD: 2700'

DATUM: 8.0 RKB

TUBINGHEAD: N/A

SIZE: 7 1/2"

PRESS RATING: 3000# assumed

CASING: SIZE 8 5/8"

WIDCMT 32

GRADE

SET @ 940'

SX CMT 400

TOC Surf

INTER: PROD: 5 1/2"

14

H-40

1615'

250/165

Surf

MISC: 5 1/2" 17# stub: Top 2684' Bottom 4340' w/TOC 3380' (calc)

PERFORATIONS / FORMATION: Tops: Queen 3820, Grayburg 4215', San Andres 4645' Top Salt 1670' Base of Salt 2670'

TUBING: BOND @

SIZE: None

JOINTS: WIDCMT

MISC: GRADE:

THREAD:

BACKGROUND:

This well was plugged and abandoned in 1949. NMOCOD R5295 ruled the well had not been properly P&A'd. An attempt to re-enter and P&A properly was made in 1977. The 5 1/2" casing was cut off and pulled in 1949 (original P&A procedure) and an attempt was made in the back in to this stub @ 2688'. This work was not successful and with the State's permission a cement plug was set from 2700-3185' in the 5 1/2" casing. It was then converted to an observation well as ordered by NMOCOD. Recently David Newell has been in contact with the NMOCOD and has obtained verbal approval to permanently P&A the well (letter attached).

SCOPE OF WORK:

Plug and Abandon

PROCEDURE

NOTIFY THE NMOCOD @ 905.39X161 24 HRS. PRIOR TO PLUGGING

1. MURU PU. NUBOP.
2. T.H. w/2 7/8" 6.5# N 80 WS OE'd to 2700' and tag cement plug. Load hole w/10# BW w/25# gelUbb for a viscosity of 30 (required to satisfy NMOCOD P&A regulations).
3. Spot a 100' (50' above and below 5 1/2" casing stub @ 2684') cement plug 02700'-2600' w/30sx Class C cmt w/2% CaCl₂.
4. PUH to 1665' and spot a 100' (50' above and below 5 1/2" csg shoe @ 1615') cmt plug 01665'-1565' w/30sx Class C cmt w/2% CaCl₂. POH.

