

- 12/4/58 T.D. 7658' in a black gray shale that was topped at 7632'.
Drilling at rate of 4' per hour. No shows during past 24 hours.
- 12/5/58 Drilling 7716' in black shaley limestone. Drilling 4 to 7 feet
per hour. $1\frac{1}{4}^{\circ}$ at 7654'.
- 12/6/58 Drilling at 7773' in lime and 30% chert.
- 12/7/58 T.D. 7813' in lime and chert. Circulating. Preparing to run
electric log.
- 12/8/59 T.D. 7813'. Ran electric log. Completed at 6:45 P.M. and
preparing to run casing. Deviation 1° at 7743'.
- 12/9/58 Waiting on cement. Set $9\frac{5}{8}$ " casing at 7810' with 260 sx 6%
jel cement, 630 sx without any additive and 250 sx neat cement.
Plugged down at 11:00 P.M.
- 12/10/58 Waiting on cement and nipping up. Ran temperature survey.
Cement in 7758' and out 3200'.
- 12/11/58 Nipped up and raised rotary table. Preparing to in the hole.
- 12/12/58 Went in hole with drillpipe and tested with 1500#. Drilled the
cement plug, the float and shoe and started blowing the hole
dry at midnight. Now blowing at 6000'.
- 12/13/58 Continued to blow hole dry.
- 12/14/58 Hole blown dry. Began drilling with gas. Drilled from 7813' to
7878' where bit plugged. Started out of hole with drill pipe to
unplug bit. Became stuck on way out.
- 12/15/58 Drill pipe still stuck. Working pipe in an attempt to remedy same.
- 12/16/58 Succeeded in freeing stuck drill pipe during afternoon of 15th.
Came out of hole put on new bit. Began drilling with gas during
the evening of 15th proceeding cautiously. T.D. morning of 16th
7941'. Now drilling ahead satisfactorily with gas.
- 12/17/58 T.D. 8326' in lime and chert. No shows. Presently drilling
at rate of approximately 20' per hour with gas. Deviation
 $2\frac{1}{4}^{\circ}$ at 8135'.
- 12/18/58 T.D. 8556' in lime and chert. No shows. $2\frac{1}{4}^{\circ}$ deviation at
8366'.
- 12/19/58 T.D. 8980' in lime and dolomite with some sand streaks. Had formati
change from shaley lime to above at 8790'. Sand body 8790' to
8800' had light oil stain.
- 12/20/58 T.D. 9128'. Water occurring at 9110' caused the abandonment of
gas drilling and a return to mud. Hole off 4° at 9100'.
- 12/21/58 T.D. 9220' in lime, shale and chert. Slight show of gas 9210'.
Poor porosity development.