

Chronological History

- 1/5/75 Spudded. Drilling 15 inch surface hole. Drilled 300 feet, 15 feet in sand and gravel.
- 1/7/75 Drilled surface hole to 920 feet. Opened 15 inch hole to 26 inches
- 1/8/75 Circulated 10 1/2 hours to log and set casing
- 1/9/75 Logging with Schlumberger for 6 1/2 hours. Ran dual-induction, Sonic-gamma ray, caliper.
Surface section: 5-100' Sand and gravel
100-150' Shale
150-700 Interbedded shale & sands
700-750 Sandstone
750-900 Sandstone (more) and shale
SP shows little permeable sand, mostly shale.
- 1/11/75 US&S running temperature log.
- 1/20/75 Started intermediate 12 1/4 inch hole drilling with water, no mud.
1427-1521 feet casing returns
1521-1745 feet losing water
3783-3955 First tuffaceous sediments recorded
4030 feet 18' of fill in bottom.
4304-12 feet rough drilling
4012' hole taking 5400 gal water/hr.
- 1/28/75 Core #1 4495-4555 feet recovered 2:
1/31/75 US&S attempted temperature log, tool was left in hole.
Drilling ahead to 4650 feet, stopped to log.
- 2/2/75 Began logging at 5 a.m. ^{at 1pm} during morning well began to flow at 100 gpm.
RHT 237°F.

- 2/3/75 Wellhead 56-58 psi. Injecting
 ~108,000 gal (2,700 barrel) water
 to kill well. Wellhead 65 psi after
 stopping injection.
- 2/6/75 Closed in well at 3:50pm. Injected
 52,000 gal (1300 barrel) water.
- 2/7/75 Injecting with mud pumps at
 28 spm for 1/2 hr (135,660 gal), 40 spm
 for 2 hr (45600 gal), 32 spm for 9 1/2 hr
 (173,280 gal).
- 2/8/75 Injecting for 24 hours at 17 spm
 (2132,540 gal). Ran ammonia temperature
 bomb.
- 2/9/75 Injecting 65 spm for 1 hour (37,050 gal)
 21 spm for 2 1/2 hours (29,925 gal), 16 spm
 for 8 hours (72,960 gal) plus 2 mud
 pits water (1,700 gal). Schlumberger
 ran temperature log and calipers log.
- 2/10/75 Injecting at 28 spm for 5 hours (82,650 gal)
 40 spm for 1 hr (22,800 gal), 16 spm for 3/4 hr
 (6,840 gal)
- 2/11/75 Injecting at 22 spm for ^{11 hr} (137,940 gal). Flow
 to mud pit.
 A total of 10,666,005 gal water
 injected since 2/6/75. Well not
 killed.
- 2/12/75 Set Otis plug with sand plug on
 top.
- 2/18/75 Sand-barite plug set. Ran ammonia
 bomb with temperatures of 239°F at
 3300' & 3600'. Flow out 6" line
- 2/19/75 Level derrick
- 2/23/75 Cementing 13 3/8" casing. Casing
 partial flaring cementing.
- 3/17/75 Flow testing
- 3/24/75 Drilling blind hole.
- 3/25/75 Core #2. 4686-4699' recovered 9' named
 Stovick Springs schist(?).

3/28/75 Injection test at 4698'

SPM
18
169
54

Wellhead psi
115
400

DURATION
2 hours
1/2 hr

3/31/75 Core #3 5005-5007' recovered 2'
of Quartz monzonite

4/1/75 Flow test, flow 565 gpm

4/2/75 Injection test, injected 36,683 gal water
flow test.

4/3/75 Ran Amerada bomb temperature survey
and water sample bomb.

4/4/75 Amerada temperature, Weir flow measure
of flow.

4/6/75 Schlumberger logging. Caliper, sonic,
density & temperature (BHT 294°F).

3/15 - 5/30 Monitoring USAS #3, BLM and
USAS instrument holes.