

DAILY FIELD REPORT

(1) Project: CMRR (2) Project Number: 19435 (3) Date: 2/14/05
 (4) Location: Los Alamos, NM TA-55 (5) Activity: Drilling
 (6) Contractor: Spectrum Exploration (7) Field Rep: Steve Jager
 (8) Hours Worked: 5.5 (9) From: 1330 (10) To: 1900
 (11) Weather: 32° to 53°F 0.0 hrs

(13) Lost Time (time/cause) N/A

(14) Items For Payment per Contract: Operating Hours: 5.5 (includes standby and drilling)
 Standby N/A Cause N/A
 Standby N/A Cause N/A
 Activities: (incl. mob/demob and relocating to another drill location) N/A

Drilling hours: 5.5
 Drilling footage:
 H.S.A. N/A Air Rotary: N/A Air Core: 31 Foam Rotary: N/A
 Foam Core: N/A Mud Rotary: N/A Mud Core: N/A
 Casing: N/A Grouting/backfilling: N/A
 Sampling: 6 Geobarrel runs
 Tests and Surveys: N/A
 Other Payable: 2 lexan liners and 4 caps

(15) Samples: (Handling, Storage, Transportation)
Samples stored in field tent

(16) Visitors: N/A

(17) Instructions, Decisions, Deviations/Variance from Plans, Action Needed: Held daily Health and Safety briefing. Robert Husted (Spectrum) completed required training to function as driller's helper. Spectrum resumed coring from 690 feet to 721 feet. Basaltic/Pacific sediments encountered

(18) Field Representative Signature: Brian J. Havens Date: 2/15/05

(19) Reviewed by: [Signature] (20) Date: 3/10/05



DAILY FIELD REPORT

(1) Project: CMRR (2) Project Number: 19435 (3) Sheet Number 2 of 2

(4) Date: 2/14/05 (5) Location: Los Alamos, NM TA-55

Additional Information:

*to approximately 698 feet and dacite encountered at this elevation.
Core samples are generally quite broken up. Significant void
noted from 703.5 to 704.5 feet. Lost all air circulation in
dacite and did not regain circulation.*

DAILY FIELD REPORT

(1) Project: CMRR (2) Project Number: 19435 (3) Date: 2/15/05
 (4) Location: Los Alamos, NM TA-55 (5) Activity: Drilling
 (6) Contractor: Spectrum Exploration (7) Field Rep: Steve Jager
 (8) Hours Worked: 12 (9) From: 0700 (10) To: 1900
 (11) Weather: 35° to 50°F 3.0 hrs - #10
 (13) Lost Time (time/cause) N/A

(14) Items For Payment per Contract: Operating Hours: 12 (includes standby and drilling)
 Standby N/A Cause N/A

Standby N/A Cause N/A

Activities: (incl. mob/demob and relocating to another drill location) 6 hrs - drilling,
3 hours prepare to ream DSC-1B, 3 hrs meeting r.e. casing installation method

Drilling hours: 12

Drilling footage: H.S.A. N/A Air Rotary: N/A Air Core: 20 Foam Rotary: N/A

Foam Core: N/A Mud Rotary: N/A Mud Core: N/A

Casing: N/A Grouting/backfilling: N/A

Sampling: 4 Geobarrel runs

Tests and Surveys: N/A

Other Payable: N/A

(15) Samples: (Handling, Storage, Transportation)

Routine samples stored in storage container. Critical care samples stored in trailer.

(16) Visitors: Ron McWhan (DINSMITH), Alan Kuhn (Kleinfelder), Jimmy Velarde (KSL-Fuel), Tom Houston (LANL), Jamie Gardner (LANL-Geologist), Alexis Lavine (LANL-Geologist), Nathan Yost, Joseph Valdez (KSL-Fuel)

(17) Instructions, Decisions, Deviations/Variance from Plans, Action Needed: Held daily Health and Safety briefing. Spectrum resumed coring in dacite at 721 feet and cored continuously to 741 feet by 0930 hrs. Kleinfelder decided that coring and sampling should stop at this depth.

(18) Field Representative Signature: Brian J. Havens Date: 2/15/05

(19) Reviewed by: [Signature] (20) Date: 3/10/05

DAILY FIELD REPORT

 (1) Project: CMRR (2) Project Number: 19435 (3) Sheet Number 2 of 2

 (4) Date: 2-15-05 (5) Location: Los Alamos, NM TA-55

Additional Information:

Alan Kuhn (Kleinfelder) arrived at the site. The dacite core samples were examined by Kleinfelder, Spectrum, and LANL (Jamie Gardner, Tom Houston, Alexis Lavine, Nathan Yost). A meeting was then held in the field trailer with the LANL representatives, Steve Jager (Spectrum), Alan Kuhn, Joe Laird, and Brian Havens.

Alan Kuhn presented a plan for installation of permanent PVC casing at DSC-1B. Highlights of the plan are as follows:

- Ream borehole to 5.5 inches (minimum)
- Conduct caliper log and other open-hole geophysical methods, as appropriate for a non-fluid filled borehole
- Advance PW casing to approximately 700 feet (top of dacite)
- Advance PVC casing (3" nominal) to base of borehole and leave casing suspended slightly
- Pump water, as needed, down annulus between PVC and PW casing
- Drop coated bentonite pellets (1/4" nominal) through same annulus
- Check water level and pellet level with sounding device during pellet installation
- Extract PW casing during pellet installation
- Extract SW casing during pellet installation above depth of 395 feet.

All parties at meeting were in concurrence with this plan.

DAILY FIELD REPORT

(1) Project: CMRR (2) Project Number: 19435 (3) Date: 2-16-05

(4) Location: Los Alamos, NM TA-55 (5) Activity: Drilling

(6) Contractor: Spectrum Exploration (7) Field Rep: Steve Jager

(8) Hours Worked: 15 (Total Operating Time and Lost Time) (9) From: 0700 (10) To: 2200

(11) Weather: 33° to 45°F 14.0 hrs = 1 8

(13) Lost Time (time/cause) N/A

(14) Items For Payment per Contract: Total Operating Hours: 15 (breakdown of hours below)

Standby Hours: N/A Comment: N/A

Drilling Hours: 15 Comment: Ream DSL-1B

Borehole Mit Hrs: N/A Comment: N/A

Set Casing Hours: N/A Comment: N/A

Mob/Demob Hrs.: N/A Comment: N/A

Other Hours: N/A Comment: N/A

Drilling footage: Air Core: N/A Mud Core: N/A Other: N/A

Casing: N/A Grouting/backfilling: N/A

Sampling: N/A

Test and Surveys: N/A

Other Payable: N/A

(15) Samples: (Handling, Storage, Transportation) N/A

(16) Visitors: Ron McMahan (DMJMHN), Nathan Yost, Benjamin Trujillo (Kleinfelder), Jimm Velarde (KSL-Fuel), Joseph Valdez (KSL-Fuel)

(17) Instructions, Decisions, Deviations/Variance from Plans, Action Needed: Held daily Health and Safety briefing. Spectrum advanced the down-hole hammer to 407 feet and began reaming the bore hole to a minimum of 5.5 inches. Progress was good through the Ottowi formation,

(18) Field Representative Signature: Benjamin J. Havens Date: 2-18-05

(19) Reviewed by: [Signature] (20) Date: 3/10/05

DAILY FIELD REPORT

(1) Project: CMRR (2) Project Number: 19435 (3) Sheet Number 2 of 2

(4) Date: 2-16-05 (5) Location: Los Alamos, NM TA-55

Additional Information:

Guaje pumice, and Dacitic sediments. Extremely difficult reaming conditions were encountered in the dacite. Air circulation losses occurred several times, causing difficulties with removal of rock cuttings from the borehole. Spectrum pulled the hammer bit up into the Ottowi several times to regain circulation. Spectrum worked until 2200 hours to ream the dacite.