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Environment, Safety, and Health
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RECEIVED

SEP - 9 2015

**NMED
Hazardous Waste Bureau**

Environmental Management
Los Alamos Field Office, MS A316
3747 West Jemez Road
Los Alamos, New Mexico 87544
(505) 665-5658/FAX (505) 606-2132

Date: **SEP 09 2015**

Refer To: ADESH-15-130

LAUR: 15-26885

Locates Action No.: N/A

John Kieling, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

Subject: Submittal of the Fact Sheets for SIMR-2

Dear Mr. Kieling:

Enclosed please find two hard copies with electronic files of the fact sheets for SIMR-2.

If you have any questions, please contact Stephani Swickley at (505) 606-1628 (sfuller@lanl.gov) or Cheryl Rodriguez at (505) 665-5330 (cheryl.rodriguez@em.doe.gov).

Sincerely,

Bruce Robinson, Program Director
Environmental Remediation Program
Los Alamos National Laboratory

Sincerely,

Christine Gelles, Acting Manager
Environmental Management
Los Alamos Field Office

BR/CG/SS/TB:sm

Enclosures: Two hard copies with electronic files – Fact Sheets for SIMR-2 (EP2015-0157)

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Mike Saladen, ADESH-ENV-CP
Alison Dorries, ADESH-ENV-DO
Michael Brandt, ADESH
Amy De Palma, PADOPS
Craig Leasure, PADOPS

TOTAL LENGTH
OF CASING AND SCREEN (FT) 929.8

DEPTH TO WATER
FOLLOWING INSTALLATION (FT BGS) 867.9 (August 11, 2015)

DIAMETER OF BOREHOLE
16.00 (IN) FROM 0 TO 94.4 (FT BGS)
15.00 (IN) FROM 94.4 TO 462.7 (FT BGS)
12.75 (IN) FROM 462.7 TO 842.2 (FT BGS)
10.75 (IN) FROM 842.2 TO 981.4 (FT BGS)

SURFACE COMPLETION

PROTECTIVE CASING
TYPE STEEL SIZE (IN) 16
PROTECTIVE POSTS INSTALLED
SURFACE SEAL AND PAD
CHECK FOR SETTLEMENT
PAD MATERIAL
REINFORCED
PAD DIMENSIONS (FT) 10 (L) 10 (W) 0.8 (H)

SURFACE SEAL 3.0 TO 60.1 (FT BGS)

HYDRATED BENTONITE CHIP SEAL 60.1 TO 876.1 (FT BGS)

FINE SAND COLLAR 876.1 TO 880.2 (FT BGS)

FILTER PACK 880.2 TO 910.8 (FT BGS)

SCREENED INTERVAL 885 TO 905.4 (FT BGS)

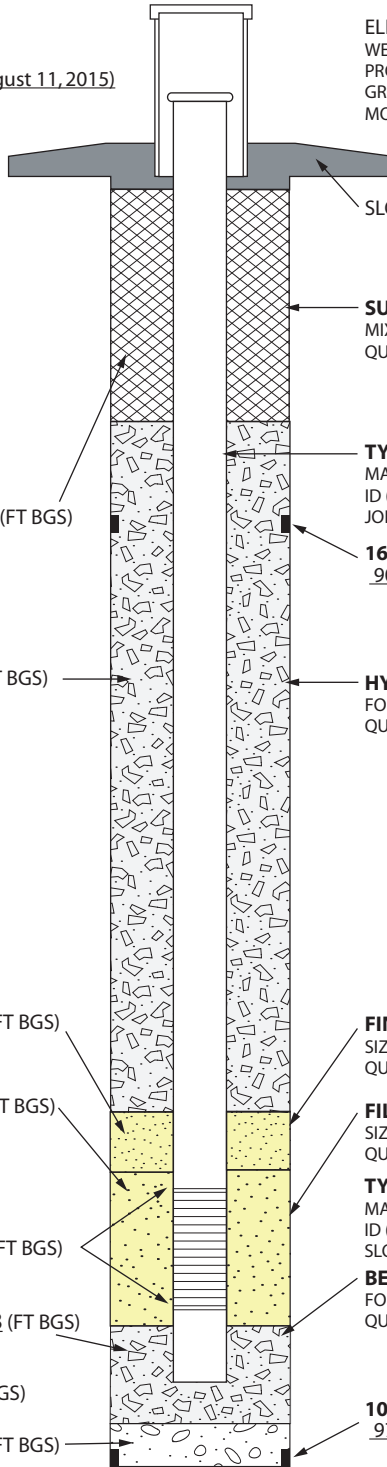
BENTONITE SEAL 910.8 TO 965.8 (FT BGS)

BOTTOM OF CASING 927 (FT BGS)

SLOUGH 965.8 TO 981.4 (FT BGS)

BOTTOM OF BORING 981.4 (FT BGS)

LOCKING COVER



ELEVATIONS (FT AMSL)
WELL CAP TBD
PROTECTIVE CASING TBD
GROUND SURFACE TBD
MONUMENT MARKER TBD

SLOPED CONCRETE PAD/SURFACE

SURFACE SEAL
MIX (WT%) CEMENT 100 BENTONITE 0
QUANTITY USED 121.7 FT³ CALCULATED 70.2 FT³

TYPE OF CASING
MATERIAL STAINLESS-STEEL
ID (IN) 5.00 OD (IN) 5.56 (5⁹/₁₆)
JOINT TYPE BEVELED/WELDED

16-IN CASING/SHOE
90.0 TO 94.4 (FT BGS)

HYDRATED BENTONITE SEAL
FORM 3/8-IN CHIP / 1/4-IN PELLET
QUANTITY USED 781.7 FT³ CALCULATED 720.9 FT³

FINE SAND COLLAR
SIZE/TYPE 20/40 SILICA
QUANTITY USED 5.3 FT³ CALCULATED 1.9 FT³

FILTER PACK SAND
SIZE/TYPE 10/20 SILICA
QUANTITY USED 25.8 FT³ CALCULATED 14.1 FT³

TYPE OF SCREEN
MATERIAL STAINLESS-STEEL
ID (IN) 5.00 OD (IN) 5.88 (5⁷/₈)
SLOT SIZE (IN) 0.040 JOINT TYPE BEVELED/WELDED

BENTONITE SEAL
FORM 3/8-IN BENTONITE CHIP
QUANTITY USED 28.0 FT³ CALCULATED 31.9 FT³

10-IN CASING/SHOE
976.4 TO 981.4 (FT BGS)

STAINLESS-STEEL CENTRALIZERS
USED 4 AT 2.0 ft ABOVE AND
BELOW WELL SCREENS

WELL COMPLETION BEGAN
DATE 7/18/15 TIME 0815
WELL COMPLETION FINISHED
DATE 8/10/15 TIME 0500

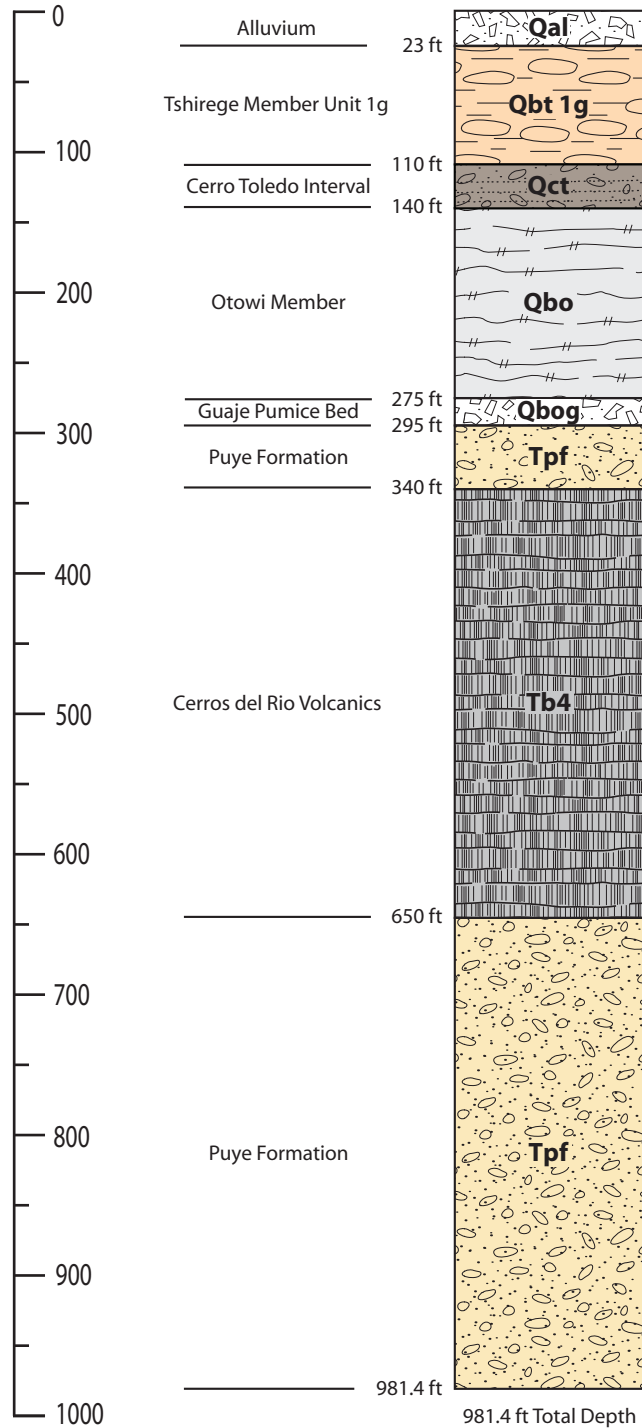


Drafted By: TPMC
Project Number: 86317
Date: August 20, 2015
File Name: SIMR-2_WellAsBuiltFactSheet

SIMR-2 As-Built Well Construction
San Ildefonso Pueblo
Los Alamos, New Mexico

Fact Sheet
SIMR-2
NOT TO SCALE

DEPTH (FT BGS)



DRILLING INFORMATION

DRILLING COMPANY/PERSONNEL:

Boart Longyear
D. Sandy, D. Tucker, R. Ostler

DRILL RIG: Foremost DR-24HD

DRILLING METHOD:

DUAL ROTARY AIR ROTARY

DRILLING FLUID TYPE:

0-773 ft bgs 773-981.4 ft bgs

WATER WATER
 AIR AIR
 QUIK FOAM FOAMING AGENT

DRILLING START/FINISH:

DATE: 06/21/2015

DATE: 07/10/2015

▼ 868.1 ft bgs (07/10/14)
(pre well installation)



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SIMR-2 BOREHOLE STRATIGRAPHY

San Ildefonso Pueblo
Los Alamos, New Mexico

Fact Sheet

SIMR-2

NOT TO SCALE