TA-72

Department of Energy
National Nuclear Security Administration
Los Alamos Site Office
Los Alamos, New Mexico 87544
OCT 3 1 2003

NOV 2003

Mr. John Young
NMED – Hazardous Waste Bureau
2905 Rodeo Park Drive East,
Building 1
Santa Fe, NM 87505-6303

Subject: Fact Sheet for R-11

Dear Mr. Young:

Enclosed is the fact sheet for R-11, which was recently completed by Kleinfelder, Inc.

Sincerely,

for

Mat Johansen
Project Manager
Program Compliance Manager

OPM:5TW-00 1

Enclosure: R-11 Fact Sheet

cc w/enclosures
John Kieling
NMED – Hazardous Waste Bureau
2905 Rodeo Park Drive East,
Building 1
Santa Fe, NM 87505-6303
B. Enz, OPM, LASO
M. Johansen, OPM, LASO
T. Whitacre, OPM, LASO
S. Yanicak, NMED-DOE OB, MS-J993
K. Hargis, RRES-DO, LANL, MS-J591
J. McCann, RRES-WQH, LANL, MS-M 992
C. Nylander, RRES, LANL, MS-J591
N. Quintana, RRES-R, LANL, MS-M992
S. Rae, LANL, RRES-WQH, LANL, MS-K497
B. Ramsey, LANL, RRES-DO, LANL, MS-J591
M. Reed, RRES-DO, LANL, MS-J556
B. Robinson, EES-6, LANL, MS-T003
D. Stavert, RRES-D, LANL, MS-J591

3785

Location: Southwest of TA-72 Firing Range in Sandia Canyon

Survey Coordinates:
(Brass marker in NW corner of R-11 well pad)
- Coordinates: NAD83
- Elevation: NGVD29

Description: Brass Marker in Concrete Pad
Northing: 1769344.02
Easting: 1640034.76
Elevation: 6672.43

Description: Well Casing
Northing: 1769341.35
Easting: 1640037.08
Elevation: 6674.94

Description: Core Hole
Northing: 1769363.10
Easting: 1639961.57
Elevation: 6673.20

Coring:
(0' - 180') Continuous Sampler
(180' - 268.5') HQ Coring
(268.5' - 274.5') Split Spoon
(274.5' - 296.5') HQ Coring

Drilling: (0' - 47') 24" Bucket Auger
(47' - 59') 13" Air Rotary Casing Hammer
(59' - 272') 12.25" Milltooth Tri-Cone
(272' - 926.5') 12.25" T1200 SD 12 Millennium Rotary Hammer

Data Collection:
Hydrologic Properties: Pending
Cores/Cuttings submitted for geochemical and contaminant characterization: 14

Geologic Properties:
Minerology, petrography, and chemistry: 7

Borehole Logs:
Lithologic: 0'-926.5'
Video (LANL tool):
0'-803' bgs & 0-921'-8" bgs (open hole)
Schlumberger logs:
Compensated Neutron Log: 15'-926'
Triple Litho-Density: 15'-922'
Array Induction Imager: 59'-916'
Elemental Capture Sonde: 50'-917'
Natural GR Spectroscopy: 30'-899'
Combinable Magnetic Resonance: 75'-903'
Fullbore Formation Micro Imager: 834'-924'

Core Drilling Completed: 8/18/03-8/26/03
Rotary Drilling Completed: 8/25/03-09/6/03
Contract Geophysics: 09/06/03-09/07/03
Well Constructed: 09/08/03-09/10/03
Well Developed: 09/23/03-09/28/03

Casing: 4.46" I.D. / 5.0" O.D. A304 Stainless Steel casing with external couplings

Number of Screens:
One (1) 4.46" I.D. / 5.27" O.D. wire wrapped 0.020 slot stainless steel with external couplings

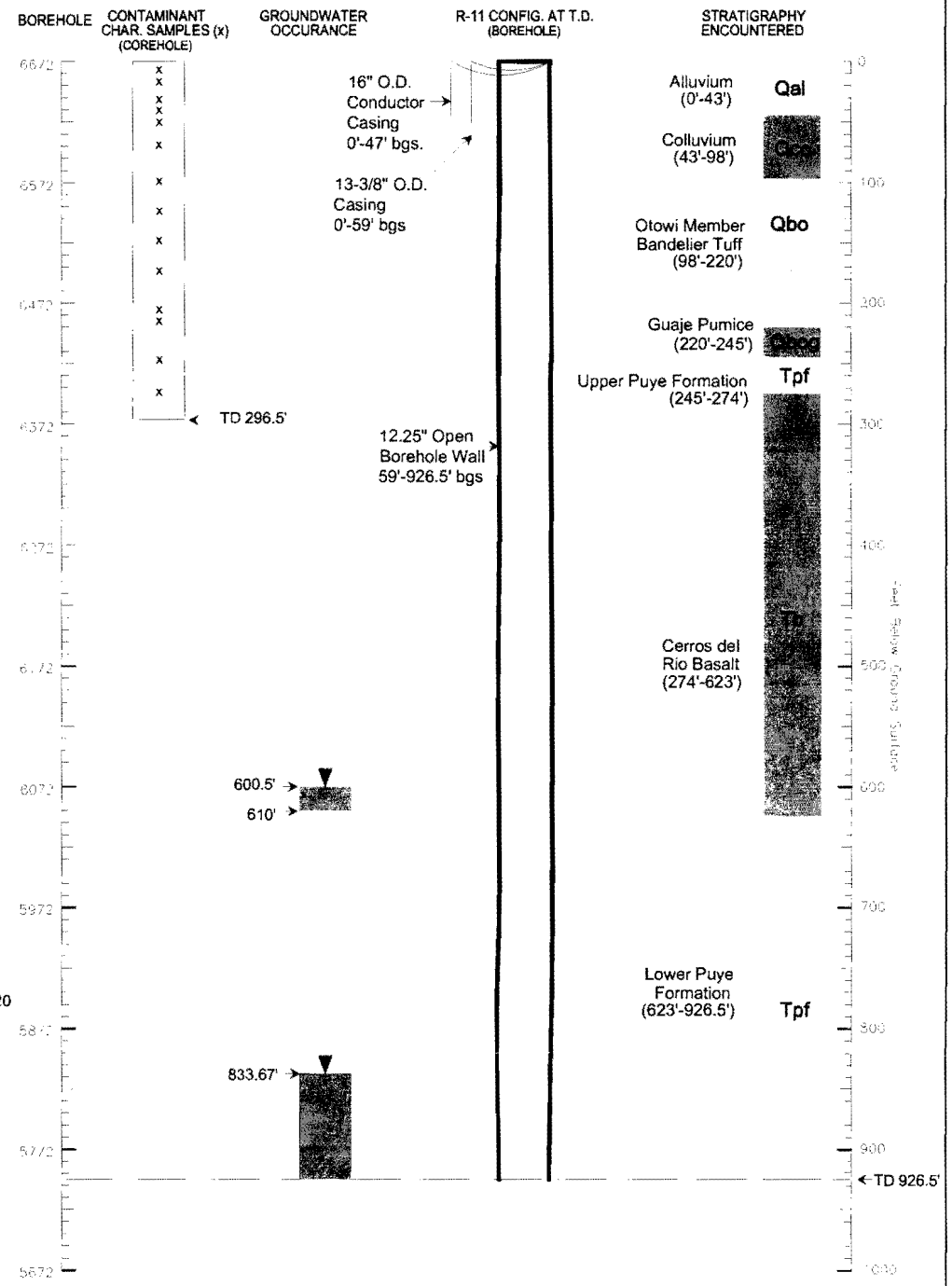
Screen Interval: 856.3'-878.5' bgs

Well Development performed by swabbing, bailing, and pumping.
Total Volume Purged: 18,970 gal.

Geologic contacts for R-11 were determined from core samples, cuttings, borehole video, and geophysical logs.

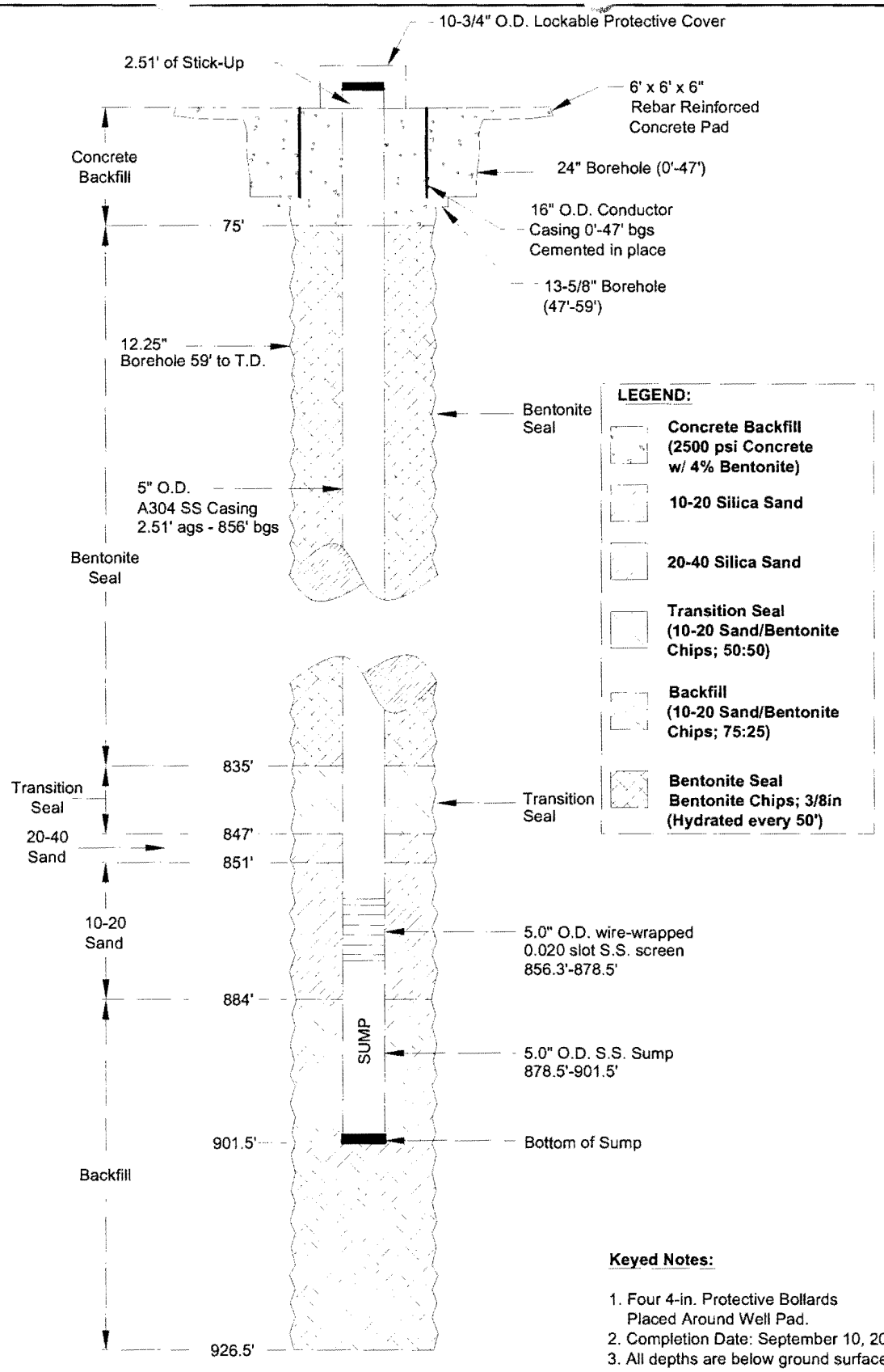
Keyed Notes:

1. Coordinates - NM State Plane Grid Central Zone (North America), Datum - 1983 (NAD83); expressed in feet.
2. Elevations - National Geodetic Vertical Datum (NGVD29); expressed in feet above mean sea level.
3. Main Borehole 10'-28' bgs spot recovery, 47'-58' bgs spot recovery, 85'-90' bgs no recovery, 245'-280' bgs no recovery, 380'-435' bgs no recovery, 653'-713' bgs no recovery, 733'-743' bgs no recovery, 748'-753' bgs no recovery



DCN: ALB3DR001 Rev. 3

KLEINFELDER		Construction, Stratigraphic, and Hydrologic Information for Characterization Well R-11 Los Alamos National Laboratory Los Alamos, New Mexico	FIGURE 1
Drawn By: C. Landon	Date: October 2003		
Project No.: 33220	Filename: ALB3DR001 REV 3		
Scale: N/A	Revision: 3		



Keyed Notes:

1. Four 4-in. Protective Bollards Placed Around Well Pad.
2. Completion Date: September 10, 2003.
3. All depths are below ground surface (bgs)
4. ags: above ground surface
5. Dedicated pump location not shown.

DCN: ALB3DR002 Rev. 3

KLEINFELDER		**Schematic Diagram of Characterization Well - R-11** Los Alamos National Laboratory Los Alamos, New Mexico	FIGURE **2**
Drawn By: C. Landon	Date: October 2003		
Project No.: 33220	Filename: ALB3DR002 REV 3		
Scale: N/A	Revision: 3		