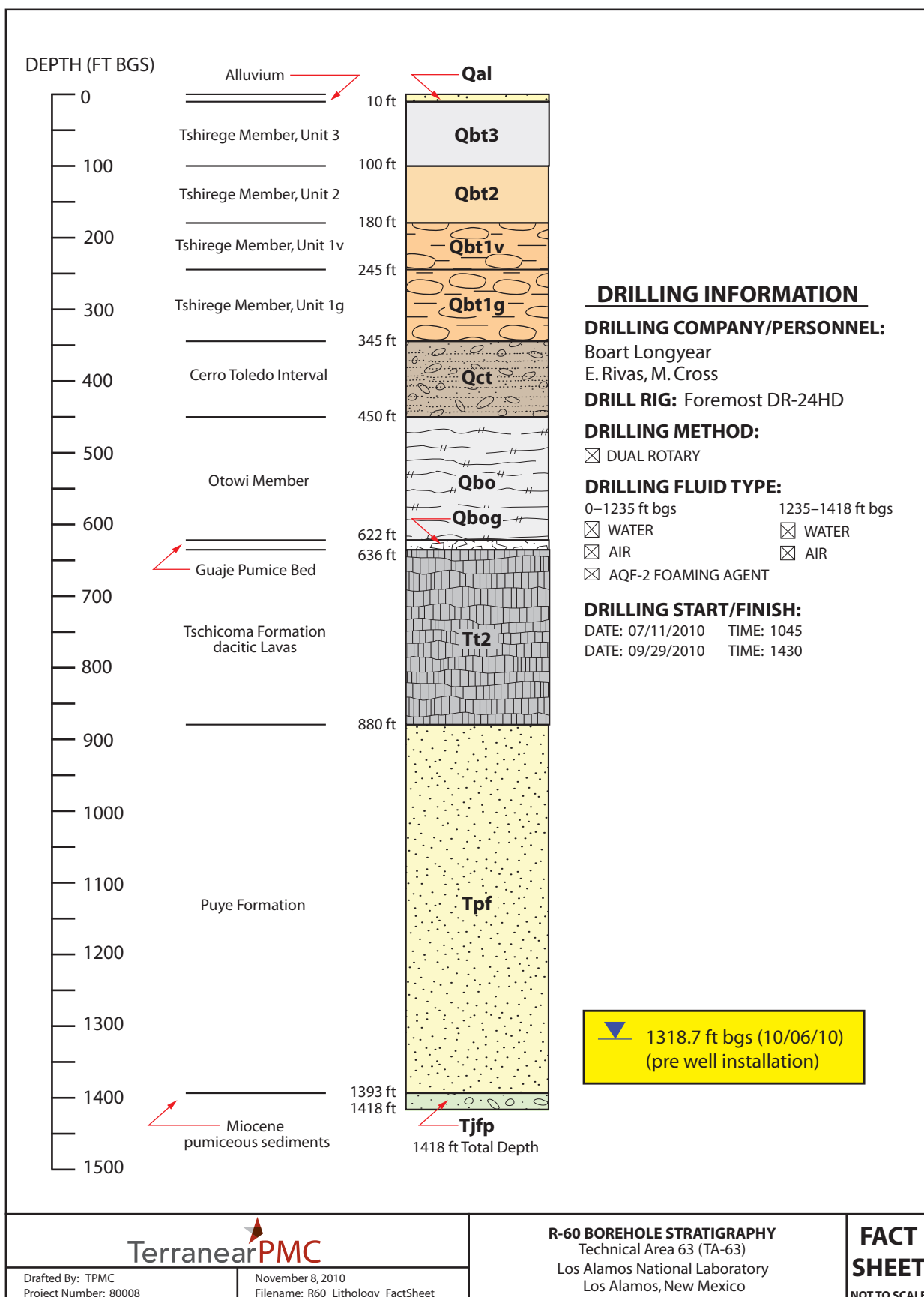




TOTAL LENGTH
OF CASING AND SCREEN (FT) 1363.7

COMPOSITE DEPTH TO WATER
FOLLOWING INSTALLATION (FT BGS) 1319.5 (10/19/10)

DIAMETER OF BOREHOLE
18.75 (IN) FROM 0.0 TO 107.0 (FT BGS)
20.50 (IN) FROM 107.0 TO 630.0 (FT BGS)
16.75 (IN) FROM 630.0 TO 647.0 (FT BGS)
15.00 (IN) FROM 647.0 TO 905.0 (FT BGS)
12.75 (IN) FROM 905.0 TO 1418.0 (FT BGS)

SURFACE COMPLETION (Proposed)

PROTECTIVE CASING
TYPE STEEL SIZE (IN) 10
PROTECTIVE POSTS INSTALLED YES
SURFACE SEAL AND PAD
CHECK FOR SETTLEMENT YES
PAD MATERIAL CONCRETE
REINFORCED WIRE MESH
PAD DIMENSIONS (FT) 10 (L) 10 (W) 0.5 (H)

SURFACE SEAL 3.0 TO 198.8 (FT BGS)

BENTONITE SEAL 198.8 TO 1322.2 (FT BGS)

FINE SAND COLLAR 1322.2 TO 1325.2 (FT BGS)

FILTER PACK 1325.2 TO 1355.6 (FT BGS)

SCREENED INTERVAL 1330.0 TO 1350.9 (FT BGS)

BOTTOM OF CASING 1360.9 (FT BGS)

BENTONITE BACKFILL 1355.6 TO 1404.2 (FT BGS)

SLOUGH 1404.2 TO 1418.0 (FT BGS)

BOTTOM OF BORING 1418.0 (FT BGS)

LOCKING COVER

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

WELL COMPLETION BEGAN
DATE 10/06/10 TIME 1540
WELL COMPLETION FINISHED
DATE 10/18/10 TIME 0650

SLOPED CONCRETE PAD/
SURFACE SEAL

PORTLAND CEMENT SEAL
MIX (WT%) CEMENT 100 BENTONITE 0
QUANTITY USED 731.3 FT³ CALC 377.7 FT³

HYDRATED BENTONITE SEAL
FORM 3/8-IN CHIP
QUANTITY USED (DRY) 1638.3 FT³ CALC 1515.5 FT³

TYPE OF CASING
MATERIAL PASSIVATED A304 STAINLESS STEEL
ID (IN) 5.00 OD (IN) 5.56 (5%)
JOINT TYPE THREADED/COUPLED

TYPE OF SCREEN(S)
MATERIAL A304 STAINLESS STEEL
ID (IN) 5.00 OD (IN) 5.88 (5%)
SLOT SIZE (IN) 0.020
JOINT TYPE THREADED/COUPLED

STAINLESS-STEEL CENTRALIZERS
USED YES AT 2.0 ft ABOVE AND
BELOW WELL SCREEN

FINE SAND COLLAR
SIZE/TYPE 20/40 SILICA
QUANTITY USED 2.5 FT³ CALC 2.2 FT³

FILTER PACK SAND
SIZE/TYPE 10/20 SILICA
QUANTITY USED 30.5 FT³ CALC 21.9 FT³

BACKFILL MATERIAL
MATERIAL 3/8-IN CHIP
QUANTITY USED (DRY) 42.0 FT³ CALC 41.9 FT³

TerranearPMC

Drafted By: TPMC
Project Number: 80008

Date: November 8, 2010
File Name: R60_As-Built_FactSheet

R-60 As-Built Well Construction Diagram

Technical Area 63 (TA-63)
Los Alamos National Laboratory
Los Alamos, New Mexico

**Fact
Sheet**

NOT TO SCALE