



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: LAWS-03

Well owner: U.S. Department of Energy/Los Alamos National Laboratory Phone No.: 505-667-3005

Mailing address: P.O. Box 1663

City: Los Alamos State: New Mexico Zip code: 87545

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Boart Longyear

2) New Mexico Well Driller License No.: 1161 Expiration Date: 10/31/2014

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Boart Longyear

4) Date well plugging began: 7/30/14 Date well plugging concluded: 8/2/14

5) GPS Well Location: East: 1649542.9
North: 1770848.8

Well coordinates are New Mexico State Plane Grid Coordinates, Central Zone (North American Datum, 1983 [NAD 1983]).

6) Depth of well confirmed at initiation of plugging as: 80 ft (length: angle boring)
by the following manner: Tag with tremie pipe

7) Static water level measured at initiation of plugging: Dry ft bgl


8) Date well plugging plan of operations was approved by the State Engineer: 07/03/2014

9) Were all plugging activities consistent with an approved plugging plan? No If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

LAWS-03 was proposed to be plugged/abandoned with cement grout placed from bottom to top with a tremie pipe. Cement grout was tremied to the bottom of the well casing with no significant seal established. Hydrated bentonite chips were placed from TD (80 ft casing length) to 7 ft casing length with a tremie pipe. Portland Type I/II cement was placed from 7.0 to 2.0 ft casing length inside the well casing, and from 10.0 to 2.0 ft casing length within the annulus. The surface and well casings were cut level with ground surface and a concrete surface plug was emplaced from 2.0 ft casing length to surface.

- For each interval plugged, describe within the following columns:**

III. SIGNATURE:


Signature of Well Driller

Version: September 8, 2009
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ELEVATION (FT AMSL)
BRASS CAP (MARKER) TBD

HOLE DRILLED AT 34° angle
AZIMUTH N40°E
APPROXIMATE DEPTH 76 (FT BGS)

TOTAL LENGTH OF CASING (FT) 136

GROUND SURFACE (TBD FT AMSL)

10.0-IN CASING
0.0 TO 9.0 (FT)

TYPE OF CASING
MATERIAL STEEL
ID (IN) 10.0 OD (IN) 10.75

6.0-IN CASING
0.0 TO 80 (FT)

TYPE OF CASING
MATERIAL Schedule 40 PVC
with perforations
ID (IN) 6.1 OD (IN) 6.6

PVC BROKEN, ABANDONED
80.0 (FT) / 40 (FT BGS)

6.0-IN CASING
80.0 TO 136 (FT)

TYPE OF CASING
MATERIAL Schedule 80 PVC with scallops
ID (IN) 5.8 OD (IN) 6.6

BOTTOM OF CASING 136 (FT)

**SURFACE
CASING CUT LEVEL
WITH CONCRETE
PAD**

CONCRETE SURFACE PLUG 0 TO 2 (FT)
USED 1.3 (FT³), CALC 1.0 (FT³)

NEAT PORTLAND CEMENT 2 TO 10 (FT)
USED 6.0 (FT³), CALC 3.5 (FT³)

3/8-IN HYDRATED BENTONITE CHIPS
7.0 TO 80.0 (FT)
USED 14.0 (FT³), CALC 14.8 (FT³)

**NOTE: Attempted to seal casing with Neat
Portland Cement from 2 FT to 80 FT.
USED 56.8 (FT³), CALC 15.8 (FT³)**

OBSTRUCTION

**LOWER SECTION
PREVIOUSLY
ABANDONED
CASING IN
PLACE**

TerranearPMC

Drafted By: TPMC
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File Name: LAWS-03_Final_PandA

LAWS-03 Post-Abandonment Well Construction
Technical Area 72 (TA-72)
Los Alamos National Laboratory
Los Alamos, New Mexico

As-Built
LAWS-03
NOT TO SCALE