

Date 11/11/04

Driller Air Rotary

Drilling Method ARCH

Sampler Continuous Core

Hammer Weight NA Drop NA

Logged by Datum

Surface Elevation 590.56 Hole Dia. 8.5 in.

Northing 506189 Easting 1236296.75

Well Construction Details

Top of PVC Casing
Elev. 592.64 ft.

GROUND SURFACE

4" DIA. SCHED.
40 PVC CASING:
+1.9 to 40 ft.

8.5" DIA.
BOREHOLE: 0 to
61 ft.

BENTONITE-
CEMENT SEAL: 0
to 34 ft.

HOLE CLEANED
OUT TO 41 ft.

Recovery
(inches)
PID Reading
(ppm)

Depth (ft.)
Sample

0
5
10
15
20
25
30
35

Topsoil

Light Olive Brown Mudstone (2.5Y 5/3)
Moderately consolidated, platy bedding, intensely fractured, low hardness, weak, deeply weathered, Iron oxide along fractures

@ 5 ft.: Soft material - no recovery

@ 10.6 ft.: Subhorizontal fractures with iron oxide banding from 10.6 - 11.4 ft.; subangular fracture from 11.7 - 12.5 ft.

@ 12.5 ft.: Vertical fracture with iron oxide, some gypsum

@ 12.8 - 18 ft.: Variation in color along fractures to yellowish brown (10YR 5/4), liesegang banding.

From 16.2 - 19.4 ft.: Subhorizontal fractures with iron oxide and gypsum

From 22 - 30 ft.: Abundant fractures with iron oxide and gypsum

@ 25 ft.: Large void seen in video

From 26.2 - 30.5 ft.: Vertical fracture; intermittent from 29.5 - 30.5 ft.

@ 28 ft.: Video shows gypsum washout

Dark Gray Mudstone (5Y 3/1)
Unweathered/weathered transition zone; high angle fracture from 30.3 - 31 ft.

Very Dark Gray Unweathered Mudstone (5Y 3/1),
Moderately consolidated, massive, occasionally fractured, low hardness, weak little to no weathering

@ 34 ft.: High angle fracture with no oxides

BORING_WELL2_CASMALIA.RIFS.GPJ_GEOLOG.DTD 12/13/10

Well Construction Details and Log of Boring RIMW-05

PLATE

Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

E9-4

DRAWN

JOB NUMBER

CHECKED

CHCK'D DATE

APPROVED

APPR'V'D DATE

CN

4088097619

WJF

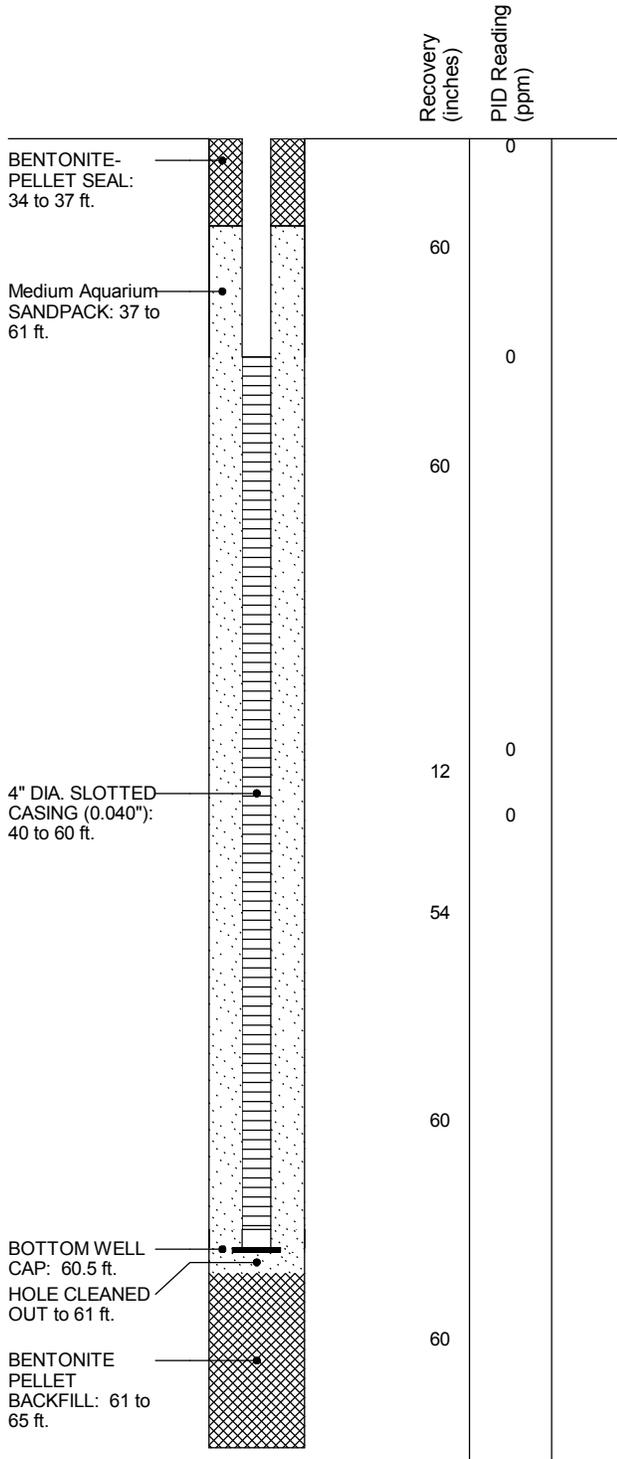
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WBC

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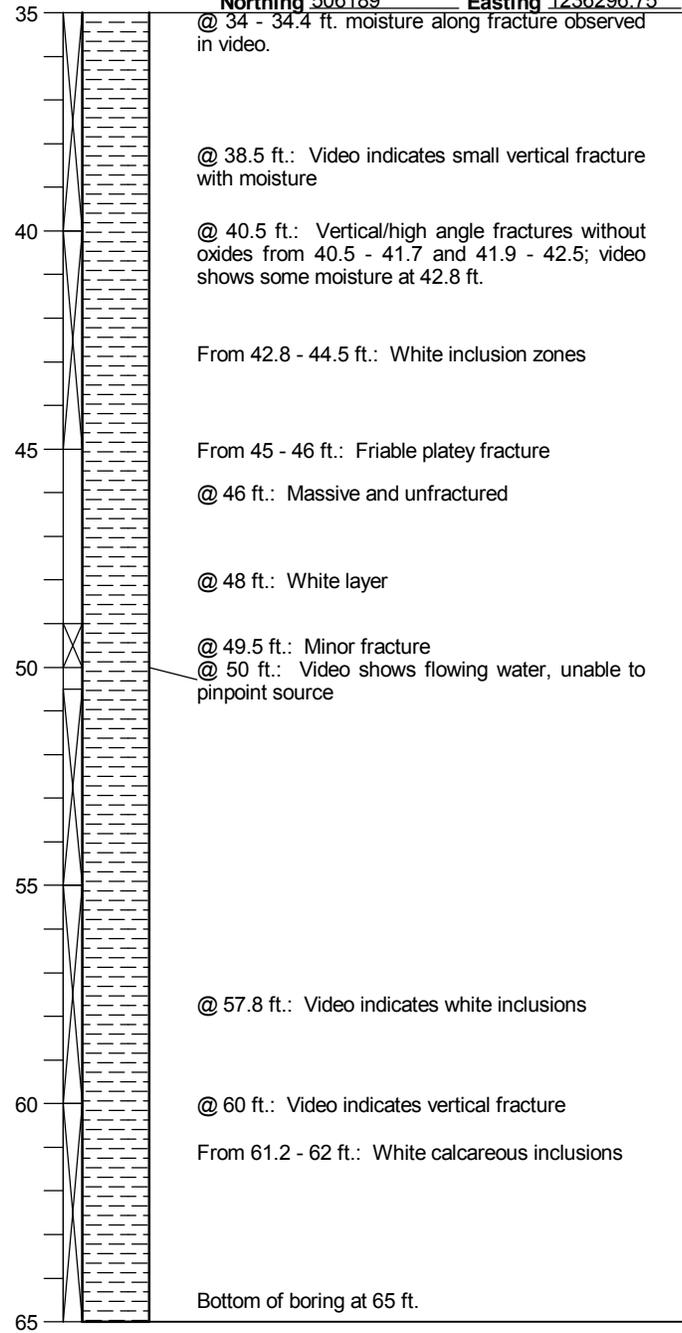
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Recovery (inches)
 PID Reading (ppm)

Depth (ft.)
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