

**WESTBAY
WELL SUMMARY**

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Location ID: BLM-32 Field Representative(s): Giles, Pearson, Russell

Purpose of Well: RFI Monitoring Well to define northern extent of plume in Section 28, T20S, R3E

Date Started: 05/29/97 Date Completed: 06/20/97

Northing: 234393.51 Easting: 404889.36

Brass Cap: 4595.84 Outer Casing: 4597.32 Inner Casing: 4597.20

Drilling Method: Mud/Air-Foam Rotary Drilling Contractor: Stewart Bros. Drilling

Diameter Borehole: 8 3/4" (0'-376"); 4 1/2" (376' - 750')

Driller: V. Amaro

Total Depth Borehole: 750' (caved to 744') Total Depth Well Casing: 740'

Total Depth Surface Casing: 376'

Diameter Well Casing: 1 1/2" Diameter Surface Casing: 5 1/2" (O.D.)

Sampling zones: 570' to 590'
635' to 650'
705' to 725'

Water Detected: Not observed during drilling Water Level Open Borehole: 518' (by geophysical logs)

Water Level Cased Borehole: See pressure profiles

Estimated Water Use: Approx. 17,500 gallons

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Well Casing:

1.5 in x 2 ft SCD 80 PVC: 1 = 2 ft
1.5 in x 5 ft SCD 80 PVC: 4 = 20 ft
1.5 in x 10 ft SCD 80 PVC: 68 = 680 ft
Total SCD 80 PVC pipe: 702 ft

5 ft MP packer: 8 = 40 ft
Regular coupling: 71
Pumping port coupling: 3
Measurement port coupling: 6
End cap: 2
Casing Clamp: 0
Magnetic collar: 3

Well Completion: Not used for completion

100# bags 16/40 sand:	bags
100# bags 10/20 sand:	bags
100# bags 8/14 sand:	bags
100# bags 8/20 sand:	bags
94# bags cement:	bags
5 gal. buckets bentonite:	buckets
50# bentonite powder:	bags
Benseal:	bags

Surface Casing:

94# bags cement:	70	bags
50# bags bentonite powder		bags

Pertinent Field Notes: For details see Field Notebook #1, pgs. 54-88

05/28/97 Mobilized to well pad, mix mud and start drilling 8 3/4" hole to 46' - J. Pearson.

05/29/97 Drilled 46' - 258' (212' total) through alluvium. - J. Pearson.

06/03/97 Continued drilling 8 3/4" hole with mud, 258' - 353' (95' total). - J. Pearson.

06/04/97 Continued drilling 8 3/4" hole with mud, 353' - 376' (23' total). Encountered microporphyrritic rhyolite at 372'. Install and grout 5" surface casing to 376'. - G. Giles.

06/05/97 Switched to air-foam drilling with a 4 1/2" air hammer bit. Drilled 376' - 505' (129' total) through bedrock. - J. Pearson.

06/06/97 Continued drilling 4 1/2" hole with air-foam, 505' - 715' (210' total) through bedrock. - M. Russell.

06/07/97 Continued drilling 4 1/2" hole, 715' - 750' (35' total) through rhyolite. TD hole at 750'. Air-lifted/surged to develop open borehole. Purged approx. 500 gallons. - G. Giles.

06/08/97 Finished air-lifting. - M. Russell.

06/10/97 Ran geophysical logs (no camera log). - M. Russell.

06/13/97 Ran camera log. - J. Pearson.

06/17/97 Move rig back to well site for Westbay installation. Sound bottom of hole at 744'. Lay out Westbay casing according to completion diagram.

06/18/97 Install Westbay casing. - P. Egan.

06/19/97 Inflate 4 of 8 packers. - J. Pearson.

06/20/97 Inflate remaining 4 packers. - M. Russell.