

CONVENTIONAL WELL SUMMARY

Location ID: 700-J

Field Representatives: Canavan, Hunnicutt-
Mack, Giles, Pearson,
McClure, Rivera

Purpose of Well: Upgradient monitoring well relative to the landfill to characterize background water quality parameters.

Date Started: 6/2/99

Date Completed: 8/10/99

Northing: 235430.38

Easting: 418736.20

Brass Cap: 4948.21'

Inner Casing: 4948.74'

Drilling Method: Air rotary casing hammer with hammer tool bit.

Drilling Contractor: Stewart Brothers Drilling Co.

Driller: Juan Aguilar

Total Depth Borehole: 240'

Diameter Borehole: 11 3/4" drive casing to
70', 9 7/8" to 240'

Total Depth Surface Casing: NA

Diameter Surface Casing: NA

Total Depth Well Casing: 230'

Diameter Well Casing: 4.5" OD

Water First Detected: 180' (during drilling)

Water Level Open Borehole: 164'

Water Level Cased Borehole: 121.65' (post-development SS)

Estimated Water Use: (pre-development) 2,400 gallons

Screened Zones: 219.68' to 199.64' _____ to _____
_____ to _____ _____ to _____
_____ to _____ _____ to _____
_____ to _____ _____ to _____

Well Casing Used

Diameter: 4.5" OD

Stainless Steel Type: 304

Schedule 5

Schedule 10

5-foot: _____ = _____ ft

5-foot: _____ = _____ ft

10-foot: _____ = _____ ft

10-foot: 1 = 10 ft

20-foot: _____ = _____ ft

20-foot: 10 = 200 ft

Total Sch 5 Footage = _____ ft

Total Sch 10 Footage = 210 ft

Total Footage of Blank Risers: 210 ft

Screen Used

Diameter: 4.5" OD

Slot Size: 0.020"

Stainless Steel Type: 304

400-600-ft Depth Rating

600-1000-ft Depth Rating

5-foot: _____ = _____ ft

5-foot: _____ = _____ ft

10-foot: _____ = _____ ft

10-foot: _____ = _____ ft

20-foot: 1 = 20 ft

20-foot: _____ = _____ ft

Total Footage of Screen: 20 ft

Annular Materials

50-lb. Bags 16/40 Sand: _____

94-lb. Bags Cement: 70

50-lb. Bags 10/20 Sand: 120

5-gal. Buckets Bentonite Pellets: _____

50-lb. Bags 8/14 Sand: _____

50-lb Bags Bentonite Powder: _____

50-lb. Bags 8/20 Sand: _____

50-lb Bags Benseal: 4

Pertinent Field Notes

For more detail, refer to Field Notebook #s 700 Area Landfill (pages 1-18), Development #1 (page 53).

- 6/1/99- Stewart Brothers attend safety briefings for 700 Area. CP 1500 casing hammer rig and associated equipment mobilized to 700-J well pad. Burn permit obtained – L. Hunnicutt-Mack.
- 6/2/99- J. Pearson performed site safety inspection. Set up equipment and drilled/advanced outer casing 0'-20' – L. Hunnicutt-Mack, G. Giles.
- 6/3/99- Drilled/advanced 11 3/4" outer casing to 70'. Four night blooming cactus located and flagged. Drillers pipe dope being researched – M. Canavan, J. Pearson.
- 6/4/99- Outer casing advanced no further. Drilled 9 7/8" borehole with air hammer 70'-190'. Water first encountered at 180' – L. Hunnicutt-Mack.
- 6/5/99- Commence drilling with clean well K water in order to lift cuttings. Drillers have to re-configure casing head. Drilled 190'-220' – M. McClure.
- 6/6/99- Drilled 220'-240' (total depth). Installed 4.5" outside diameter stainless steel casing to 230'. Stickup is 0.75'. Completed annular materials 240'-105' – M. Rivera.
- 6/7/99- Trip air-hammer casing out of borehole. Top of bentonite plug sounded at 106'. Grout 105'-ground surface. Start mobilizing rig to 700-H – M. Rivera.
- 7/28/99- Attempted to develop well using Stewart Brothers pulling unit and pump. Pump was observed to have Calpico tape. Decided not to install pump due to potential for phthalate contamination. Demobilized pulling unit – M. Canavan.
- 8/4/99- Developed 266 gpm from well using small Bennett pump – M. Canavan.
- 8/10/99- Developed 181 gpm from well using small Bennett pump. Well turned over to technicians for additional development – M. Canavan.