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Report on

Production Well Drilling at 8148 S.  
1330 E., 2776 E. Etienne Way, 7038 S.  
Cottonwood Street, and 2129 E.  
Murray-Holladay Road

August 2009

# Drilling Four Production Wells Project Summary

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This project included drilling and construction of four production wells

## First phase

- 8148 South 1330 East
- 2776 East Etienne Way

## Second phase

- 7038 South Cottonwood Street
- 2129 East Murray-Holladay Road

# Drilling Four Production Wells

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## PHASE 1

Engineer:	Hansen, Allen, & Luce
Contractor:	Layne Christensen Company
Contract Award Date:	May 10, 2006
Original Contract Amount:	\$1,762,000
Final Contract Amount:	\$1,712,959
Cumulative Change from Original Contract Amount:	- 2.8%

# Drilling Four Production Wells

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## PHASE 2

Engineer: Hansen, Allen, & Luce

Contractor: Zim Industries, Inc.

Contract Award Date: May 9, 2007

Original Contract Amount: \$1,319,520

Final Contract Amount: \$1,427,264

Cumulative Change from Original Contract Amount: 8.2%

# Drilling Four Production Wells Summary of Change Orders

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Phase 1 Change Order No 1: (\$33,281)

Increase gravel feed tube and grout seal length, use 6x9 gravel pack, perform gyroscope test and delete dummy alignment test, decrease casing and screen length, decrease amount of gravel pack, delete gravel feed tube and grout seal at Etienne Way.

Phase 1 Change Order No 2: (\$15,760)

Reduce cuttings samples collected, reduce test pumping and cable tool development time.

Phase 2 Change Order No 1: \$107,744

Increases in well diameter, gravel feed tube, grout seal, and gravel pack; and other minor quantity reconciliation items.

# Phase 1 Production Wells

2776 E. Etienne Way



Casing Size:  
24 inches  
Well Depth:  
1040 feet  
Capacity:  
2800 gpm



8215 S. 1330 E.



Casing Size:  
20 inches  
Well Depth:  
1050 feet  
Capacity:  
3000 gpm



# Phase 2 Production Wells

2129 E. Murray-Holladay Rd.



Casing Size:  
20 inches  
Well Depth:  
1220 feet  
Capacity:  
3400 gpm



7038 S. Cottonwood St.



Casing Size:  
16 inches  
Well Depth:  
940 feet  
Capacity:  
3000 gpm



