

APPENDIX E
WELL DEVELOPMENT RECORDS

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: Highway 96 **PROJECT NO.:** 002012
DATE OF WELL DEVELOPMENT: November 15, 2006
DEVELOPMENT CREW MEMBERS: R. Aamot/Boart Longyear
PURGING METHOD: Grundfos Pump
SAMPLE NO.: _____
SAMPLE TIME: _____

WELL INFORMATION

WELL NUMBER: MW-18B
WELL TYPE (diameter/material): 2-inch carbon steel
MEASURING POINT ELEVATION: Top of casing
STATIC WATER DEPTH: 39.25 ft. **ELEVATION:** _____
BOTTOM DEPTH: 197.1 ft. **ELEVATION:** _____
WATER COLUMN LENGTH: 157.85 ft.
SCREENED INTERVAL: 187.1-197.1 ft. bgs
WELL VOLUME: 25.26 gal.

Note: For 2-inch diameter well: 1 foot = 0.14 gallons (imp) or 0.16 gallons (us)
 1 meter = 2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	gal.	255	280				
FIELD pH:		7.95	8.08	8.04			
FIELD TEMPERATURE:	° C	10.3	10.3	10.3			
FIELD CONDUCTIVITY:	µS	574	566	562			
CLARITY/TURBIDITY VALUES:	NTU	4.3	3.0	3.0			
COLOR:							
ODOR:		-					
COMMENTS:							

COPIES TO: _____

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: Highway 96 **PROJECT NO.:** 002012
DATE OF WELL DEVELOPMENT: November 16, 2006
DEVELOPMENT CREW MEMBERS: R. Aamot/Boart Longyear
PURGING METHOD: Grundfos Pump
SAMPLE NO.: _____
SAMPLE TIME: _____

WELL INFORMATION

WELL NUMBER: MW-18L
WELL TYPE (diameter/material): 4-inch carbon steel
MEASURING POINT ELEVATION: Top of casing
STATIC WATER DEPTH: 47.10 ft. **ELEVATION:** _____
BOTTOM DEPTH: 281.00 ft. **ELEVATION:** _____
WATER COLUMN LENGTH: 233.90 ft.
SCREENED INTERVAL: 262-280 ft. bgs (open hole)
WELL VOLUME: 152 gal.

Note: For 2-inch diameter well: 1 foot = 0.14 gallons (imp) or 0.16 gallons (us)
 1 meter = 2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	gal.	300	450	600	750	900	
FIELD pH:		7.67	7.87	7.85	7.86	7.84	
FIELD TEMPERATURE:	° C	10.2	10.8	10.4	10.4	10.4	
FIELD CONDUCTIVITY:	µS	400	470	451	447	452	
CLARITY/TURBIDITY VALUES:	NTU	141	243	114	90	99	
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO: _____

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: Highway 96 **PROJECT NO.:** 002012
DATE OF WELL DEVELOPMENT: November 17, 2006
DEVELOPMENT CREW MEMBERS: R. Aamot/Boart Longyear
PURGING METHOD: Grundfos Pump
SAMPLE NO.: _____
SAMPLE TIME: _____

WELL INFORMATION

WELL NUMBER: MW-120B
WELL TYPE (diameter/material) 2-inch carbon steel
MEASURING POINT ELEVATION: Top of casing
STATIC WATER DEPTH: 51.90 ft. **ELEVATION:** _____
BOTTOM DEPTH: 203.40 ft. **ELEVATION:** _____
WATER COLUMN LENGTH: 151.50 ft.
SCREENED INTERVAL: 193.40-203.40 ft. bgs (open hole)
WELL VOLUME: 24.24 gal.

Note: For 2-inch diameter well: 1 foot = 0.14 gallons (imp) or 0.16 gallons (us)
 1 meter = 2 liters

<i>UNITS</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>TOTAL/ AVERAGE</i>
VOLUME PURGED (volume/total volume): gal.	250	275	300			
FIELD pH:	7.59	7.61	7.64			
FIELD TEMPERATURE: ° C	10.1	10.2	10.0			
FIELD CONDUCTIVITY: µS	538	539	528			
CLARITY/TURBIDITY VALUES: NTU	2.02	2.11	1.99			
COLOR:	Clear	Clear	Clear			
ODOR:	Clear	Clear	Clear			
COMMENTS:						

COPIES TO: _____

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: Highway 96 **PROJECT NO.:** 002012
DATE OF WELL DEVELOPMENT: November 15, 2006
DEVELOPMENT CREW MEMBERS: R. Aamot/Boart Longyear
PURGING METHOD: Grundfos Pump
SAMPLE NO.: _____
SAMPLE TIME: _____

WELL INFORMATION

WELL NUMBER: MW-18A
WELL TYPE (diameter/material): 2-inch carbon steel
MEASURING POINT ELEVATION: Top of casing
STATIC WATER DEPTH: 37.61 ft. **ELEVATION:** _____
BOTTOM DEPTH: 116.1 ft. **ELEVATION:** _____
WATER COLUMN LENGTH: 78.49 ft.
SCREENED INTERVAL: 106.1-116.1 ft. bgs
WELL VOLUME: 12.56 gal.

Note: For 2-inch diameter well: 1 foot = 0.14 gallons (imp) or 0.16 gallons (us)
 1 meter = 2 liters

<i>UNITS</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>TOTAL/ AVERAGE</i>
VOLUME PURGED (volume/total volume): gal.	130	145	160	175	180	
FIELD pH:	7.24	7.24	7.19	7.20	7.20	
FIELD TEMPERATURE: ° C	11.1	11.0	11.0	11.1	11.1	
FIELD CONDUCTIVITY: µS	634	617	625	625	623	
CLARITY/TURBIDITY VALUES: NTU	2.3	2.6	1.5	1.1	1.1	
COLOR:						
ODOR:	--	--	--	--		
COMMENTS:						

COPIES TO: _____

WELL DEVELOPMENT AND STABILIZATION FORM

PROJECT NAME: Highway 96 **PROJECT NO.:** 002012
DATE OF WELL DEVELOPMENT: November 17-November 19, 2006
DEVELOPMENT CREW MEMBERS: R. Aamot/Boart Longyear
PURGING METHOD: Smeal Truck
SAMPLE NO.: _____
SAMPLE TIME: _____

WELL INFORMATION

WELL NUMBER: EW-3
WELL TYPE (diameter/material): 6-inch carbon steel
MEASURING POINT ELEVATION: Top of casing
STATIC WATER DEPTH: 29.75 ft. **ELEVATION:** _____
BOTTOM DEPTH: 203.70 ft. **ELEVATION:** _____
WATER COLUMN LENGTH: 173.95 ft.
SCREENED INTERVAL: 193.70-203.70 ft. bgs (open hole)
WELL VOLUME: 255.71 gal.

Note: For 2-inch diameter well: 1 foot = 0.14 gallons (imp) or 0.16 gallons (us)
 1 meter = 2 liters

	UNITS	1	2	3	4	5	TOTAL/ AVERAGE
VOLUME PURGED (volume/total volume):	gal.	5,000	5,500	6,000			
FIELD pH:		7.73	7.73	7.72			
FIELD TEMPERATURE:	° C	9.9	9.9	9.9			
FIELD CONDUCTIVITY:	µS	498	500	500			
CLARITY/TURBIDITY VALUES:	NTU	12.1	10.0	10.5			
COLOR:							
ODOR:							
COMMENTS:							

COPIES TO: _____