

**GROUND WATER LEVELS
in the
LOST CREEK
DESIGNATED GROUND WATER BASIN
2012**



by
Ralf Topper

**STATE OF COLORADO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RESOURCES**

**John W Hickenlooper
Governor**

**Mike King
Executive Director**

**Dick Wolfe
State Engineer**

**Matt Sares
Project Manager**

LOST CREEK DESIGNATED GROUND WATER BASIN 2012

This report contains the basic groundwater level data collected from wells in the Lost Creek Designated Basin during the period from 2002 through 2012. Acquisition and publication of this information is a cooperative effort between the well owners, Lost Creek Ground Water Management District and the Colorado Division of Water Resources. The project is part of a statewide ground water level monitoring program funded by Senate Bill 200 (1987 legislative session). This legislation directed that a portion of the fees collected for water well permit applications be used for the establishment of a program to monitor water level trends throughout the state.

The wells in this report are listed by township, range and section, beginning at the north end of the basin and proceeding south. Tabular data are presented for each well for the previous ten years. Graphical data are presented for the entire period of record. Analyses of changes in the water level in the aquifer are complicated by unknown pumping schedules. As the measurements made in 2012 were taken later in the spring than normal, some irrigation wells had been actively pumping.

The report contains water level measurements for twenty-five wells. The locations of those wells and the extent of the alluvial aquifer are shown on the following map. Previous work in the basin (Topper, 2011) suggests that analysis of groundwater levels by subregions is appropriate. Water level measurements are typically recorded in the spring of each year. At the request of the Management District, fall 2011 water levels were also recorded. This report contains both the fall and spring measurements, which were collected on November 1, 2011 and April 5, 2012. For the fall 2011 data, depth to groundwater, below land surface, ranged from 6 to 119 feet. A comparison to the fall 2009 water levels, the earliest prior fall data available, produced the following general conclusions:

North Area: North of Roggen/I-76 to Hwy 34

- November 2011 water levels were generally 1-3 feet lower than reported in 2009

Middle Area: Between Roggen/I-76 and Prospect Valley/Hwy 52

- With two exceptions, November 2011 water levels were 1-6 feet lower than reported in 2009

South Area: South of Prospect Valley/Hwy 52 to 144th Avenue

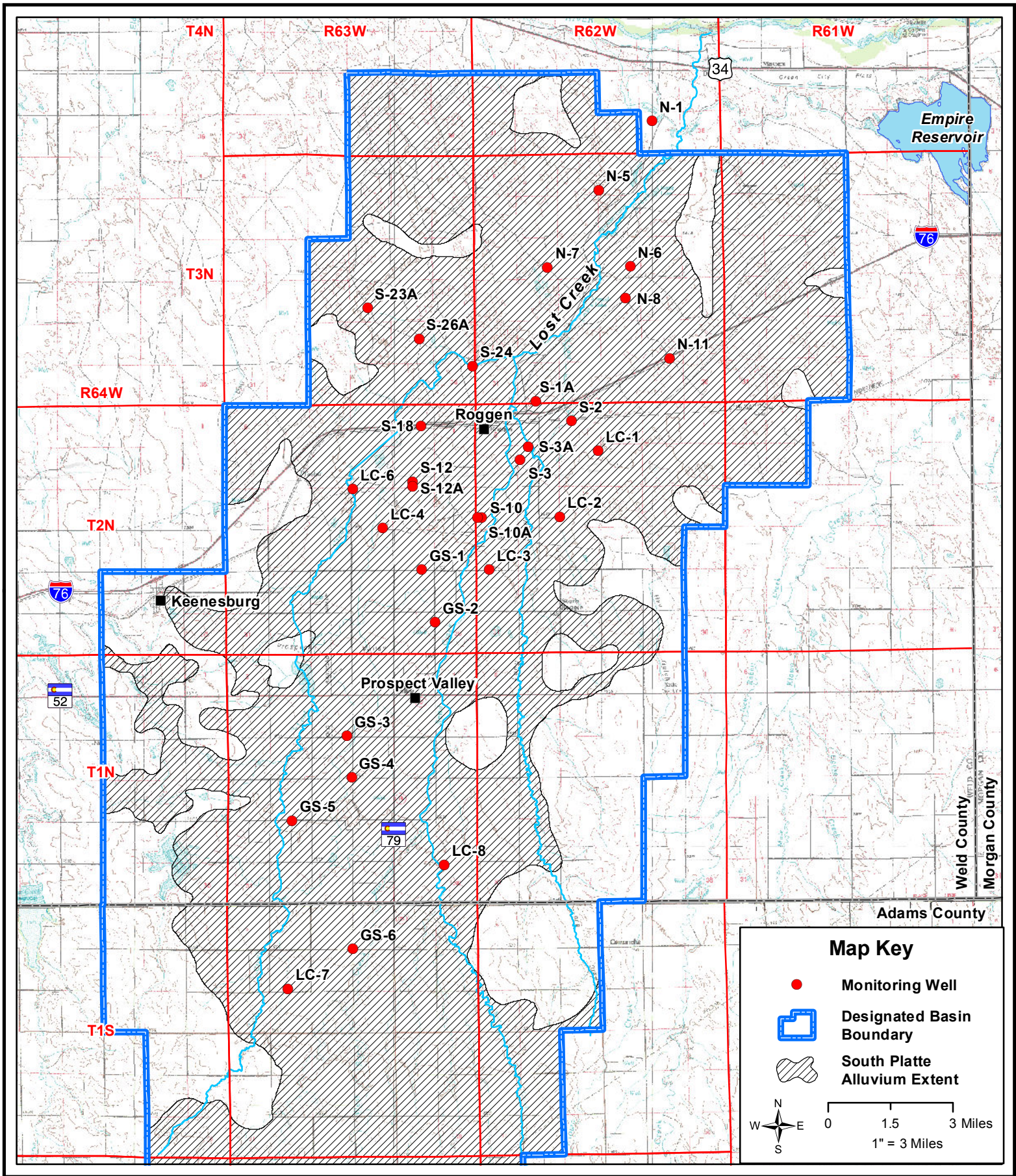
- November 2011 water levels were 0-19 feet higher than reported in 2009

For the spring 2012 data, depth to groundwater, below land surface, ranged from 5 to 118 feet. A comparison of fall 2011 to spring 2012 water levels indicated that water levels at the end of the irrigation season were 0-10 feet lower than those recorded in the spring when water levels recovered. Two wells, S-23A and GS-5, were opposite of this trend presumably due to pumping prior to the spring measurement. Subregion analysis of the spring 2012 water levels indicates that the water table is approximately 5-35 feet below ground in the north area, 30-60 feet below ground in the middle area, and 45-120 feet below ground in the south area.

On average, ground water levels in wells measured by the Division of Water Resources were down by 1.6 feet compared to 2011. The medium term, 5-year trend showed both rises and declines that averaged out to a 1.5 feet decline. Over the long term, 10-year trend, all wells

exhibited a decline with the basin average being 9.4 feet. The long term decline was most pronounced in the middle area between Roggen and Hwy 52.

Copies of this report can be purchased from the Office of the State Engineer, Records Section, 1313 Sherman St., Room 821, Denver, CO 80203, (303) 866-3581. Additionally, digital versions of this report, in Adobe PDF format, may be viewed or downloaded from the Division's website, <http://water.state.co.us/groundwater/Pages/HydroGeo.aspx>. The data may be accessed on the internet at the Colorado Decision Support System website <http://cdss.state.co.us> and can be exported to in number of different formats.



State of Colorado -- Division of Water Resources
**Lost Creek Designated Basin
 Monitoring Well Locations**

THIS PAGE INTENTIONALLY BLANK

LOST CREEK

Well Name: **GS-3** *Owner:*
Permit #: - - *Location #:* SB00106309DDC *USGS Site ID:* 400240104260601

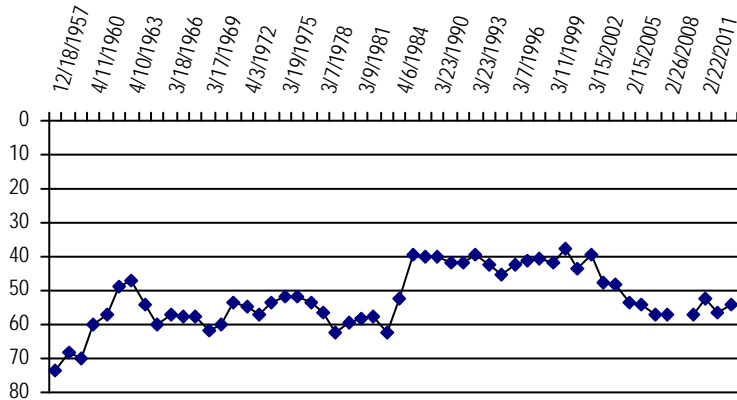
Division: 1 *Water District:* 1 *County:* WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SE SW 9 1 N 63 W S *From N/S line:* *From E/W line:*
UTM Coordinates (NAD83): *Northing (UTM y):* 4434448.0 *Easting (UTM x):* 548132.1 *GPS*
Latitude/Longitude (decimal degrees): 40.058908 -104.435643

Surface Elevation (ft): 4868 **Water Level Change**
Well depth (ft): 101 **1 year:** -1.36
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 2.90
10 year: -14.36

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/15/2002	39.64	4828.36	3.86
2/18/2003	47.38	4820.62	-7.74
2/18/2004	48.42	4819.58	-1.04
2/15/2005	53.52	4814.48	-5.10
2/7/2006	54.33	4813.67	-0.81
3/21/2007	56.90	4811.10	-2.57
2/26/2008	57.04	4810.96	-0.14
1/1/2009			
2/10/2010	56.84	4811.16	
2/22/2011	52.64	4815.36	4.20
11/1/2011	56.43	4811.57	-3.79
4/5/2012	54.00	4814.00	2.43

All Historic Measurements



Well Name: **GS-4** *Owner:* Joseph Schrant
Permit #: 6693 - R - *Location #:* SB00106316DDDD *USGS Site ID:* 400240104255901

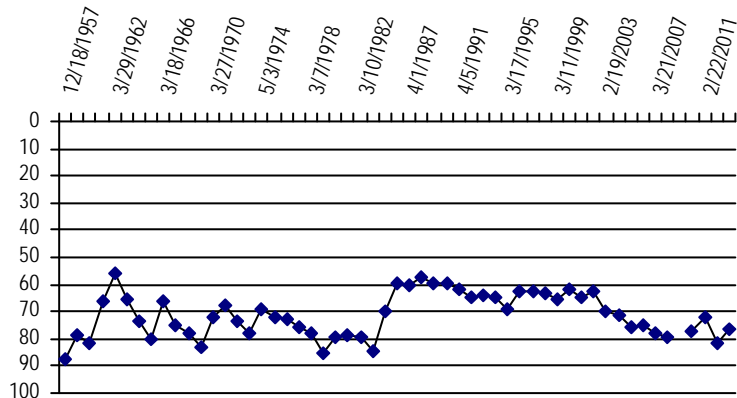
Division: 1 *Water District:* 1 *County:* WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SE SE 16 1 N 63 W S *From N/S line:* *From E/W line:*
UTM Coordinates (NAD83): *Northing (UTM y):* 4432842.0 *Easting (UTM x):* 548323.1 *GPS*
Latitude/Longitude (decimal degrees): 40.044428 -104.433523

Surface Elevation (ft): 4900 **Water Level Change**
Well depth (ft): 150 **1 year:** -4.45
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 1.63
10 year: -13.72

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/15/2002	62.81	4837.19	1.99
2/19/2003	70.17	4829.83	-7.36
2/18/2004	71.15	4828.85	-0.98
2/15/2005	75.44	4824.56	-4.29
2/7/2006	75.25	4824.75	0.19
3/21/2007	78.16	4821.84	-2.91
2/26/2008	79.09	4820.91	-0.93
1/1/2009			
2/10/2010	77.33	4822.67	
2/22/2011	72.08	4827.92	5.25
11/1/2011	81.71	4818.29	-9.63
4/5/2012	76.53	4823.47	5.18

All Historic Measurements



LOST CREEK

Well Name: GS-5

Owner: H.H. Warren

Permit #: - - **Location #:** SB00106329ABB **USGS Site ID:** 400146104273501

Division: 1 **Water District:** 1 **County:** WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE NW NW 29 1 N 63 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4431174.0 **Easting (UTM x):** 546027.1 **GPS**
Latitude/Longitude (decimal degrees): 40.029529 -104.460556

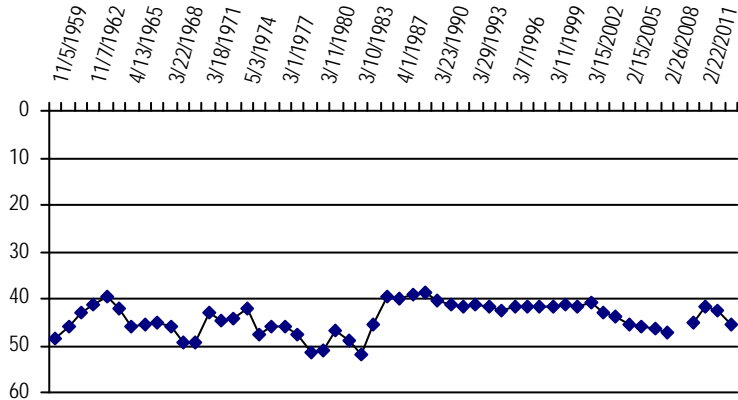
Surface Elevation (ft): 4914
Well depth (ft): 100
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year: -3.76
5 year: 0.79
10 year: -4.64

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/15/2002	40.89	4873.11	0.84
2/19/2003	42.98	4871.02	-2.09
2/18/2004	44.04	4869.96	-1.06
2/15/2005	45.37	4868.63	-1.33
2/7/2006	46.03	4867.97	-0.66
3/21/2007	46.32	4867.68	-0.29
2/26/2008	47.30	4866.70	-0.98
1/1/2009			
2/10/2010	45.06	4868.94	
2/22/2011	41.77	4872.23	3.29
11/1/2011	42.72	4871.28	-0.95
4/5/2012	45.53	4868.47	-2.81

All Historic Measurements



Well Name: LC-8

Owner: STATE LAND BOARD

Permit #: - - **Location #:** SB00106336BB **USGS Site ID:**

Division: 1 **Water District:** 1 **County:** WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NW 36 1 N 63 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4429455.0 **Easting (UTM x):** 551911.0 **GPS**
Latitude/Longitude (decimal degrees):

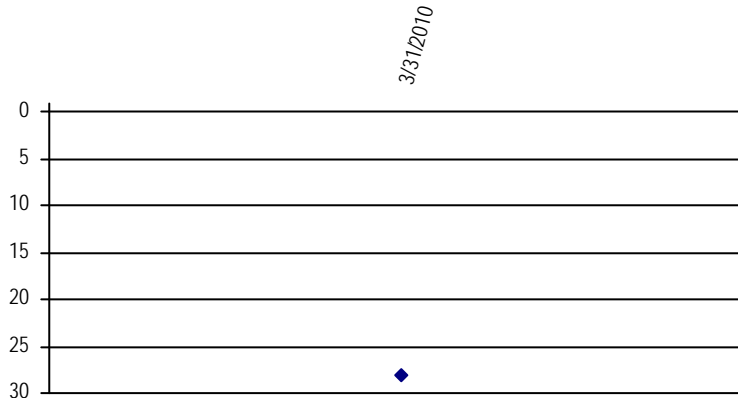
Surface Elevation (ft): 4930
Well depth (ft): 30
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year:
5 year:
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/31/2010	28.06	4901.94	

All Historic Measurements



LOST CREEK

Well Name: S-2

Owner: WILLIAM KLEIN

Permit #: - - **Location #:** SB00206204BDD **USGS Site ID:**

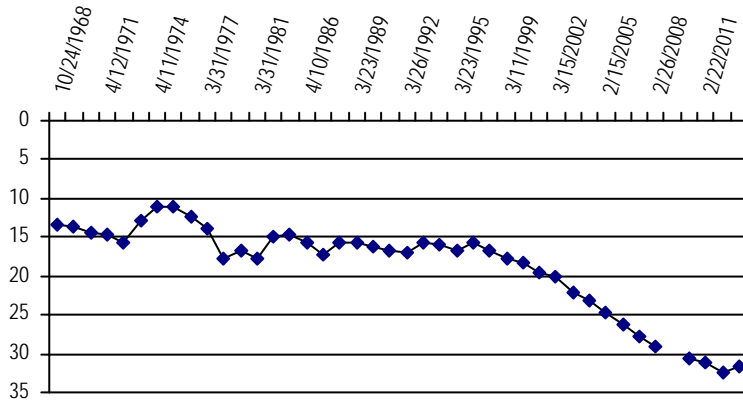
Division: 1 **Water District:** 1 **County:** WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW SE SE 4 2 N 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4446651.0 **Easting (UTM x):** 556833.2 **GPS**
Latitude/Longitude (decimal degrees): 40.168303 -104.332553

Surface Elevation (ft): 4695 **Water Level Change**
Well depth (ft): 36 **1 year:** -0.30
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -3.68
10 year: -11.50

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/15/2002	20.03	4674.97	-0.37
2/19/2003	22.05	4672.95	-2.02
2/18/2004	23.23	4671.77	-1.18
2/15/2005	24.73	4670.27	-1.50
2/7/2006	26.18	4668.82	-1.45
3/21/2007	27.85	4667.15	-1.67
2/26/2008	29.02	4665.98	-1.17
1/1/2009			
2/10/2010	30.51	4664.49	
2/22/2011	31.23	4663.77	-0.72
11/1/2011	32.34	4662.66	-1.11
4/5/2012	31.53	4663.47	0.81

All Historic Measurements



Well Name: S-3A

Owner: SHELTON LAND & CATTLE

Permit #: 9523 - F - **Location #:** SB00206208BAB **USGS Site ID:**

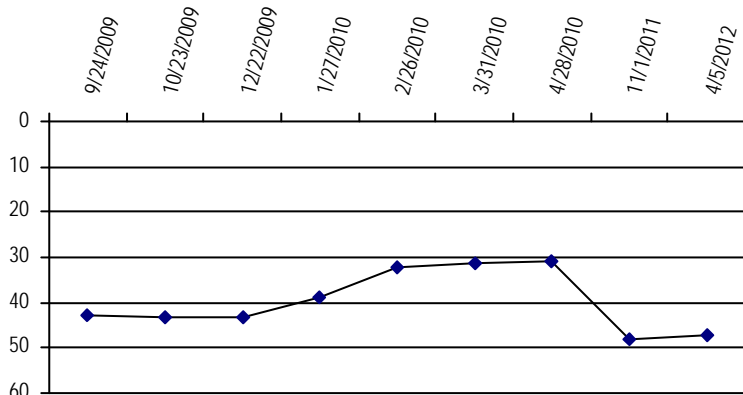
Division: 1 **Water District:** 1 **County:** WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NE NW 8 2 N 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4445660.0 **Easting (UTM x):** 555156.0 **GPS**
Latitude/Longitude (decimal degrees):

Surface Elevation (ft): 4710 **Water Level Change**
Well depth (ft): 96 **1 year:**
Aquifer(s): QUATERNARY ALLUVIUM **5 year:**
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
9/24/2009	42.69	4667.31	
10/23/2009	43.22	4666.78	-0.53
12/22/2009	43.21	4666.79	0.01
1/27/2010	38.76	4671.24	4.45
2/26/2010	32.00	4678.00	6.76
3/31/2010	31.27	4678.73	0.73
4/28/2010	30.73	4679.27	0.54
11/1/2011	48.09	4661.91	-17.36
4/5/2012	47.02	4662.98	1.07

All Historic Measurements



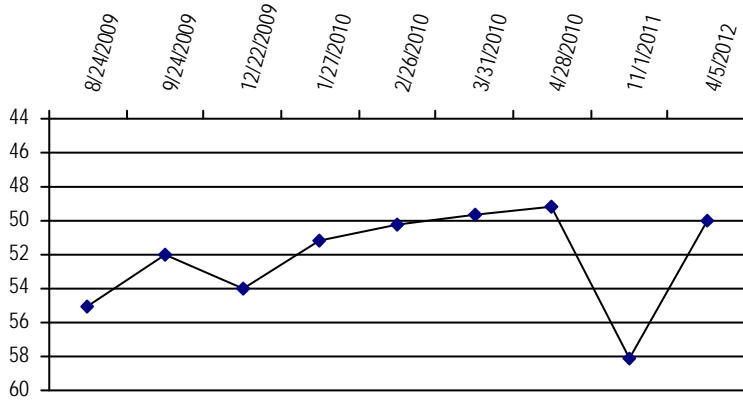
LOST CREEK

Well Name: **LC-1** **Owner:** SHELTON LAND & CATTLE
Permit #: 24577 - - **Location #:** SB00206209AA **USGS Site ID:**
Division: 1 **Water District:** 1 **County:** WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE NE 9 2 N 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4445499.0 **Easting (UTM x):** 557875.0 **GPS**
Latitude/Longitude (decimal degrees):
Surface Elevation (ft): 4752 **Water Level Change**
Well depth (ft): 186 **1 year:**
Aquifer(s): LARAMIE FOX HILLS **5 year:**
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
8/24/2009	55.05	4696.95	
9/24/2009	52.01	4699.99	3.04
12/22/2009	54.02	4697.98	-2.01
1/27/2010	51.13	4700.87	2.89
2/26/2010	50.29	4701.71	0.84
3/31/2010	49.67	4702.33	0.62
4/28/2010	49.16	4702.84	0.51
11/1/2011	58.16	4693.84	-9.00
4/5/2012	50.01	4701.99	8.15

All Historic Measurements

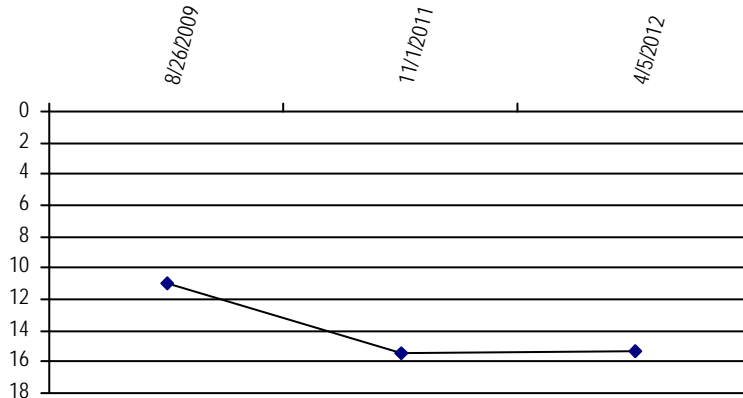


Well Name: **LC-2** **Owner:** SHELTON LAND & CATTLE
Permit #: - - **Location #:** SB00206216CB **USGS Site ID:**
Division: 1 **Water District:** 1 **County:** WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW NW 16 2 N 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4442944.0 **Easting (UTM x):** 556378.0 **GPS**
Latitude/Longitude (decimal degrees):
Surface Elevation (ft): 4729 **Water Level Change**
Well depth (ft): 34 **1 year:**
Aquifer(s): QUATERNARY ALLUVIUM **5 year:**
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
8/26/2009	11.00	4718.00	
11/1/2011	15.41	4713.59	-4.41
4/5/2012	15.36	4713.64	0.05

All Historic Measurements



LOST CREEK

Well Name: S-10

Owner:

Permit #: - - *Location #:* SB00206218CBC *USGS Site ID:*

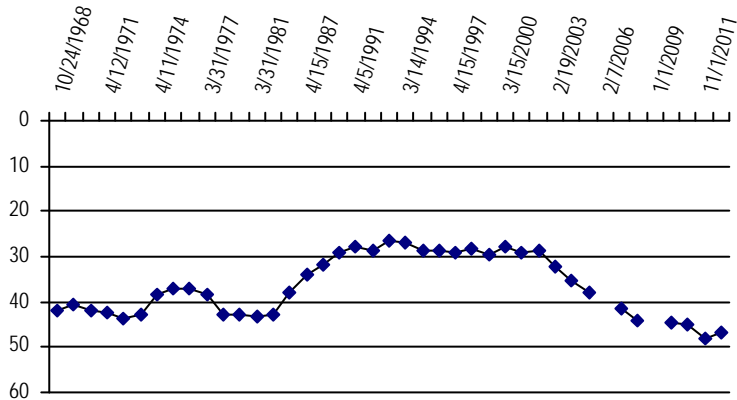
Division: 1 *Water District:* 1 *County:* WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW NW SW 18 2 N 62 W S *From N/S line:* *From E/W line:*
UTM Coordinates (NAD83): *Northing (UTM y):* 4442907.0 *Easting (UTM x):* 553351.2 *GPS*
Latitude/Longitude (decimal degrees): 40.134802 -104.373753

Surface Elevation (ft): 4745 **Water Level Change**
Well depth (ft): 90 **1 year:** -1.49
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -5.10
10 year: -18.00

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/15/2002	28.60	4716.40	0.70
2/19/2003	32.38	4712.62	-3.78
2/18/2004	35.28	4709.72	-2.90
2/15/2005	38.01	4706.99	-2.73
2/7/2006			
3/21/2007	41.50	4703.50	
2/26/2008	44.13	4700.87	-2.63
1/1/2009			
2/10/2010	44.36	4700.64	
2/22/2011	45.11	4699.89	-0.75
11/1/2011	48.24	4696.76	-3.13
4/5/2012	46.60	4698.40	1.64

All Historic Measurements



Well Name: LC-3

Owner: SHOENEMAN 5M RANCH

Permit #: 31650 - - *Location #:* SB00206219CD *USGS Site ID:*

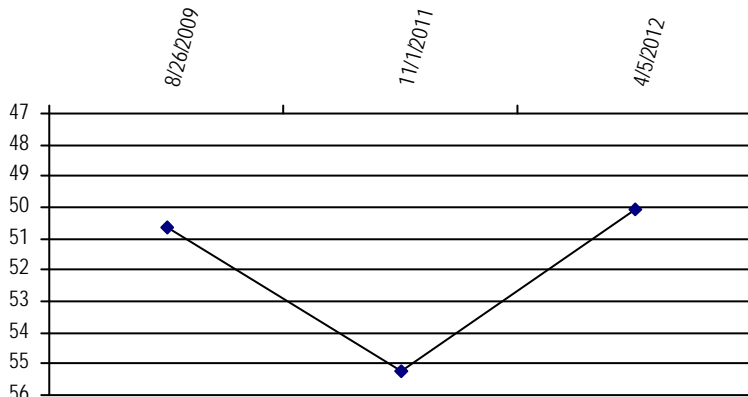
Division: 1 *Water District:* 1 *County:* WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SE 19 2 N 62 W S *From N/S line:* *From E/W line:*
UTM Coordinates (NAD83): *Northing (UTM y):* 4440905.0 *Easting (UTM x):* 553674.0 *GPS*
Latitude/Longitude (decimal degrees):

Surface Elevation (ft): 4759 **Water Level Change**
Well depth (ft): 86 **1 year:**
Aquifer(s): QUATERNARY ALLUVIUM **5 year:**
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
8/26/2009	50.66	4708.34	
11/1/2011	55.25	4703.75	-4.59
4/5/2012	50.05	4708.95	5.20

All Historic Measurements



LOST CREEK

Well Name: S-18

Owner: COLORADO DEPARTMENT OF TRANSPOR

Permit #: - - **Location #:** SB00206302DBA **USGS Site ID:**

Division: 1 **Water District:** 1 **County:** WELD

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SE NW NE 2 2 N 63 W S **From N/S line:** **From E/W line:**

UTM Coordinates (NAD83): **Northing (UTM y):** 4446449.3 **Easting (UTM x):** 551027.6 **GPS**

Latitude/Longitude (decimal degrees):

Surface Elevation (ft): 4737.42 **Water Level Change**

Well depth (ft): **1 year:** 0.20

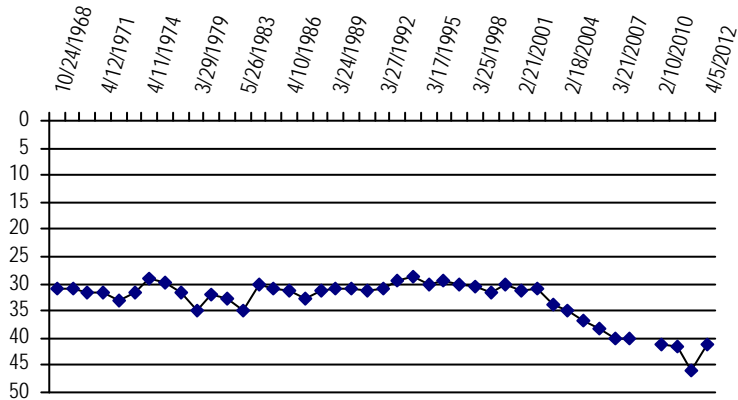
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -1.10

10 year: -10.55

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/15/2002	30.74	4706.68	0.39
2/19/2003	33.88	4703.54	-3.14
2/18/2004	34.92	4702.50	-1.04
2/15/2005	36.61	4700.81	-1.69
2/7/2006	38.08	4699.34	-1.47
3/21/2007	40.19	4697.23	-2.11
2/26/2008	40.22	4697.20	-0.03
1/1/2009			
2/10/2010	41.05	4696.37	
2/22/2011	41.49	4695.93	-0.44
11/1/2011	45.90	4691.52	-4.41
4/5/2012	41.29	4696.13	4.61

All Historic Measurements



Well Name: S-12

Owner: PHILLIP CAMEISCH

Permit #: 10477 - F - **Location #:** SB00206311CDD **USGS Site ID:**

Division: 1 **Water District:** 1 **County:** WELD

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SW SE SE 11 2 N 63 W S **From N/S line:** **From E/W line:**

UTM Coordinates (NAD83): **Northing (UTM y):** 4444309.0 **Easting (UTM x):** 550697.2 **GPS**

Latitude/Longitude (decimal degrees): 40.147597 -104.404794

Surface Elevation (ft): 4741 **Water Level Change**

Well depth (ft): 90 **1 year:** -3.47

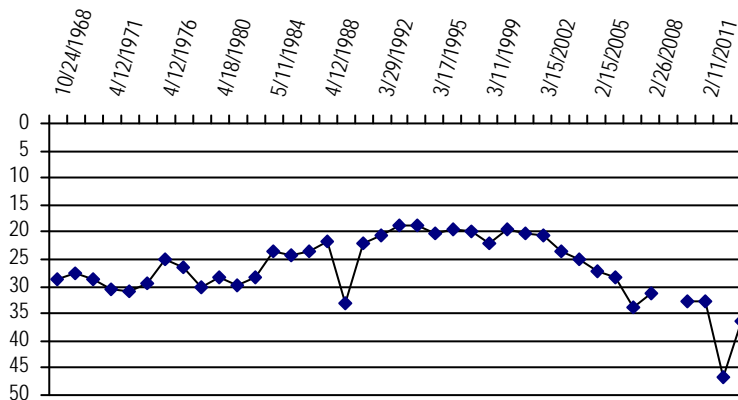
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -2.66

10 year: -15.95

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/15/2002	20.42	4720.58	-0.19
2/19/2003	23.58	4717.42	-3.16
2/18/2004	24.90	4716.10	-1.32
2/15/2005	27.21	4713.79	-2.31
2/13/2006	28.25	4712.75	-1.04
3/21/2007	33.71	4707.29	-5.46
2/26/2008	31.20	4709.80	2.51
1/1/2009			
2/10/2010	32.75	4708.25	
2/11/2011	32.90	4708.10	-0.15
11/1/2011	46.68	4694.32	-13.78
4/5/2012	36.37	4704.63	10.31

All Historic Measurements



LOST CREEK

Well Name: LC-6

Owner: FLORA ZIMBELMAN

Permit #: - -

Location #: SB00206315BB

USGS Site ID:

Division: 1 **Water District:** 1 **County:** WELD

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:

NW NW 15 2 N 63 W S **From N/S line:** **From E/W line:**

UTM Coordinates (NAD83): Northing (UTM y): 4444013.0 Easting (UTM x): 548371.0 *GPS*

Latitude/Longitude (decimal degrees):

Surface Elevation (ft): 4752

Well depth (ft): 12

Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change

1 year:

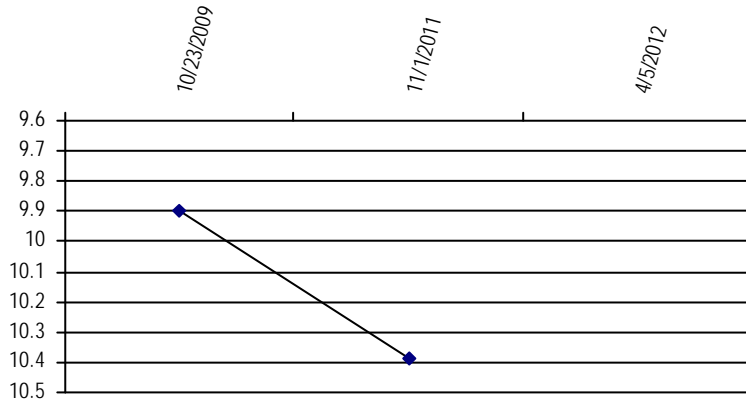
5 year:

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
10/23/2009	9.90	4742.10	
11/1/2011	10.39	4741.61	-0.49
4/5/2012			

All Historic Measurements



Well Name: LC-4

Owner: ALBERT AND LEAH ENGLEHARDT

Permit #: 31656 - FP -

Location #: SB00206315DD

USGS Site ID:

Division: 1 **Water District:** 1 **County:** WELD

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:

SE SE 15 2 N 63 W S **From N/S line:** **From E/W line:**

UTM Coordinates (NAD83): Northing (UTM y): 4442491.0 Easting (UTM x): 549533.0 *GPS*

Latitude/Longitude (decimal degrees):

Surface Elevation (ft): 4762

Well depth (ft): 82

Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change

1 year:

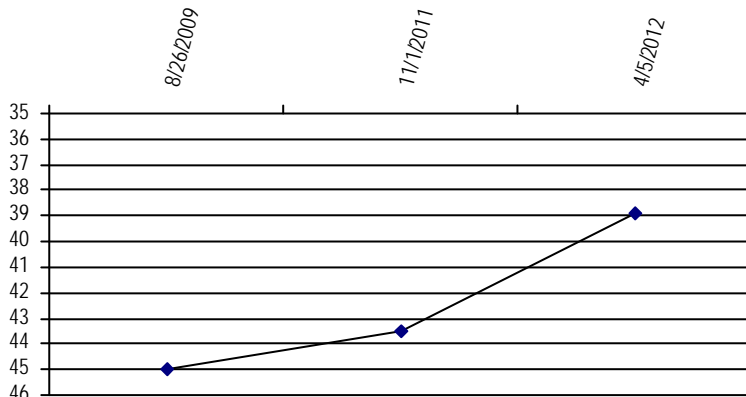
5 year:

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
8/26/2009	45.00	4717.00	
11/1/2011	43.51	4718.49	1.49
4/5/2012	38.92	4723.08	4.59

All Historic Measurements



LOST CREEK

Well Name: GS-1

Owner: ROSIE WEICKUM

Permit #: - -

Location #: SB00206323DCD

USGS Site ID: 400701104240201

Division: 1 **Water District:** 1 **County:** WELD
Location: Q160 Q40 Q10 Section Twntp Range PM Distance from section lines:
 SE SW SE 23 2 N 63 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y): 4440894.0 Easting (UTM x): 551052.1 GPS
Latitude/Longitude (decimal degrees): 40.116809 -104.400897

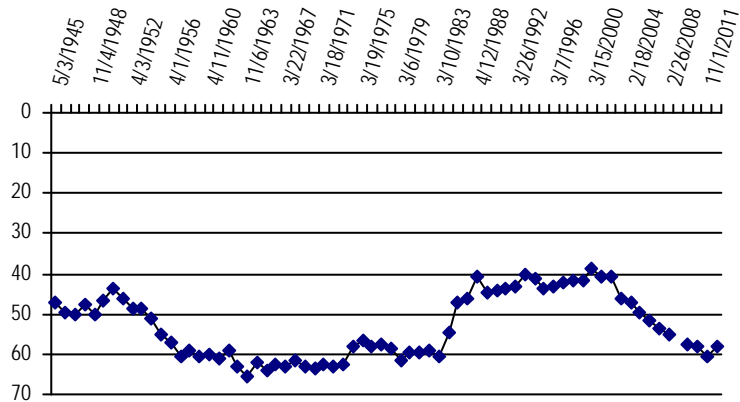
Surface Elevation (ft): 4782
Well depth (ft): 82
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year: -0.30
5 year: -4.44
10 year: -17.46

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/15/2002	40.72	4741.28	-0.02
2/19/2003	46.16	4735.84	-5.44
2/18/2004	46.97	4735.03	-0.81
2/15/2005	49.62	4732.38	-2.65
2/7/2006	51.52	4730.48	-1.90
3/21/2007	53.74	4728.26	-2.22
2/26/2008	55.00	4727.00	-1.26
1/1/2009			
2/10/2010	57.82	4724.18	
2/22/2011	57.88	4724.12	-0.06
11/1/2011	60.58	4721.42	-2.70
4/5/2012	58.18	4723.82	2.40

All Historic Measurements



Well Name: GS-2

Owner:

Permit #: - -

Location #: SB00206336BCB

USGS Site ID: 400554104234001

Division: 1 **Water District:** 1 **County:** WELD
Location: Q160 Q40 Q10 Section Twntp Range PM Distance from section lines:
 NW SW NW 36 2 N 63 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y): 4438872.0 Easting (UTM x): 551561.0 GPS
Latitude/Longitude (decimal degrees):

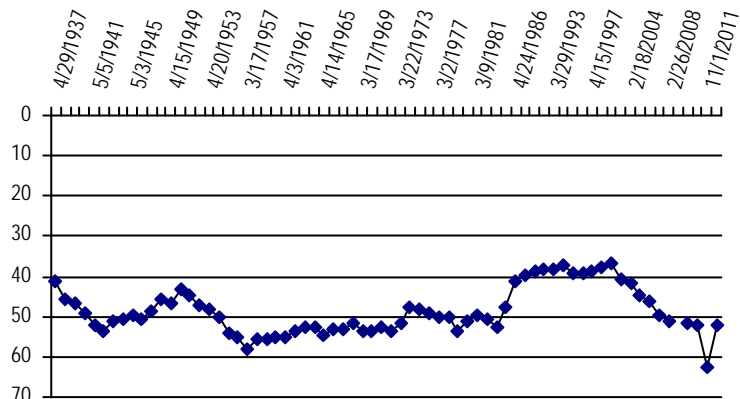
Surface Elevation (ft): 4795
Well depth (ft): 82
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year: -0.10
5 year: -2.48
10 year: -15.36

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/15/2002	36.79	4758.21	1.09
2/19/2003	40.94	4754.06	-4.15
2/18/2004	41.69	4753.31	-0.75
2/15/2005	44.62	4750.38	-2.93
2/7/2006	46.33	4748.67	-1.71
3/21/2007	49.67	4745.33	-3.34
2/26/2008	51.12	4743.88	-1.45
1/1/2009			
2/10/2010	51.86	4743.14	
2/22/2011	52.05	4742.95	-0.19
11/1/2011	62.57	4732.43	-10.52
4/5/2012	52.15	4742.85	10.42

All Historic Measurements



LOST CREEK

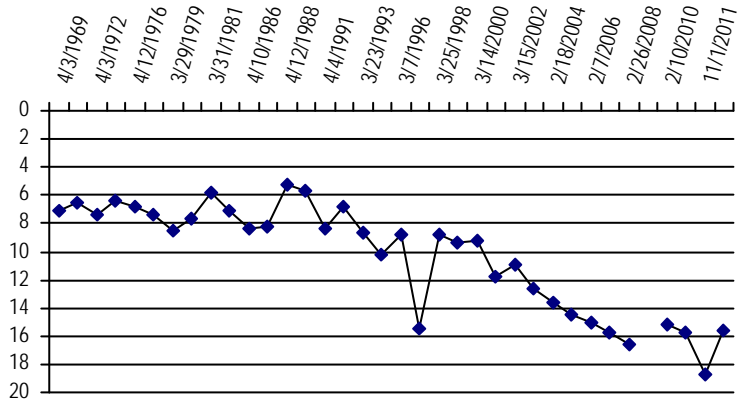
Well Name: N-5 **Owner:** Ross Seyfried
Permit #: - - **Location #:** SB00306203CCC **USGS Site ID:**
Division: 1 **Water District:** 1 **County:** WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SW SW 3 3 N 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4455609.0 **Easting (UTM x):** 557885.3 **GPS**
Latitude/Longitude (decimal degrees): 40.248932 -104.319391

Surface Elevation (ft): 4592 **Water Level Change**
Well depth (ft): **1 year:** 0.22
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 0.23
10 year: -4.68

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/15/2002	10.88	4581.12	0.92
2/19/2003	12.69	4579.31	-1.81
2/18/2004	13.62	4578.38	-0.93
2/15/2005	14.46	4577.54	-0.84
2/7/2006	14.97	4577.03	-0.51
3/21/2007	15.79	4576.21	-0.82
2/26/2008	16.61	4575.39	-0.82
1/1/2009			
2/10/2010	15.22	4576.78	
2/22/2011	15.78	4576.22	-0.56
11/1/2011	18.78	4573.22	-3.00
4/5/2012	15.56	4576.44	3.22

All Historic Measurements



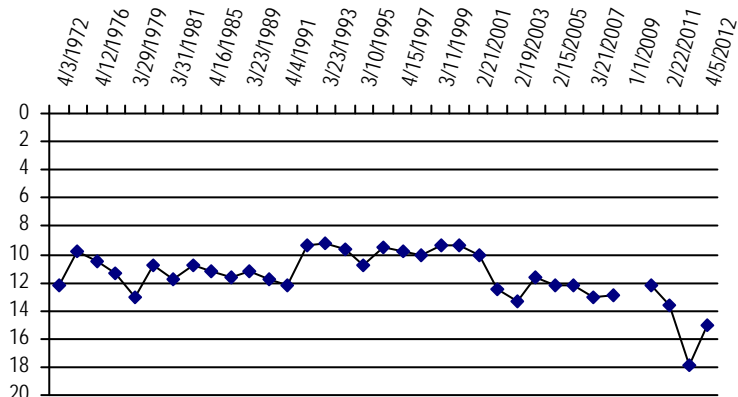
Well Name: N-6 **Owner:** PREMIER CORP
Permit #: 12174 - F - **Location #:** SB00306214BAC **USGS Site ID:**
Division: 1 **Water District:** 1 **County:** WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NE SW 14 3 N 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4452631.0 **Easting (UTM x):** 559127.2 **GPS**
Latitude/Longitude (decimal degrees): 40.222017 -104.305064

Surface Elevation (ft): 4612 **Water Level Change**
Well depth (ft): 87 **1 year:** -1.47
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -1.98
10 year: -2.59

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/15/2002	12.50	4599.50	-2.36
2/19/2003	13.36	4598.64	-0.86
2/18/2004	11.69	4600.31	1.67
2/15/2005	12.19	4599.81	-0.50
2/7/2006	12.18	4599.82	0.01
3/21/2007	13.11	4598.89	-0.93
2/26/2008	12.96	4599.04	0.15
1/1/2009			
2/10/2010	12.26	4599.74	
2/22/2011	13.62	4598.38	-1.36
11/1/2011	17.83	4594.17	-4.21
4/5/2012	15.09	4596.91	2.74

All Historic Measurements



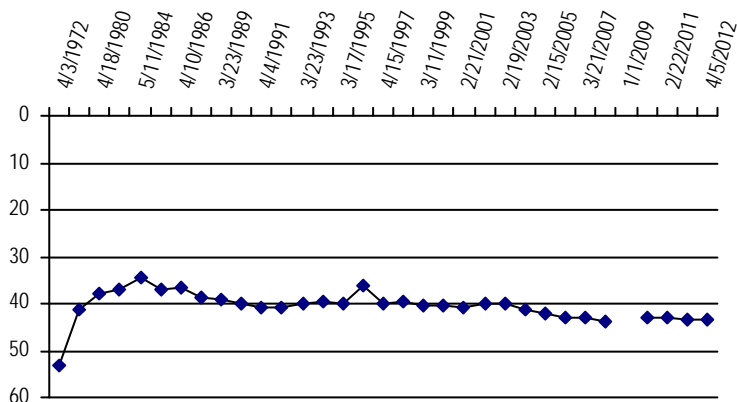
LOST CREEK

Well Name:	N-11	Owner:	COLORADO DEPARTMENT OF TRANSPOR		
Permit #:	- -	Location #:	SB00306226DCD		USGS Site ID:
Division:	1	Water District:	1	County:	WELD
Location:	Q160 Q40 Q10	Section	Twnshp	Range	PM
	SE SW SE	26	3 N	62 W	S
				From N/S line:	From E/W line:
UTM Coordinates (NAD83):	Northing (UTM y):	4449081.8		Easting (UTM x):	560640.6 <i>GPS</i>
Latitude/Longitude (decimal degrees):					
Surface Elevation (ft):	4722.05			Water Level Change	
Well depth (ft):				1 year:	-0.65
Aquifer(s):	QUATERNARY ALLUVIUM			5 year:	-0.71
				10 year:	-3.55

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/15/2002	40.05	4682.00	0.65
2/19/2003	40.14	4681.91	-0.09
2/18/2004	41.14	4680.91	-1.00
2/15/2005	41.99	4680.06	-0.85
2/7/2006	42.78	4679.27	-0.79
3/21/2007	42.89	4679.16	-0.11
2/26/2008	43.70	4678.35	-0.81
1/1/2009			
2/10/2010	42.85	4679.20	
2/22/2011	42.95	4679.10	-0.10
11/1/2011	43.46	4678.59	-0.51
4/5/2012	43.60	4678.45	-0.14

All Historic Measurements

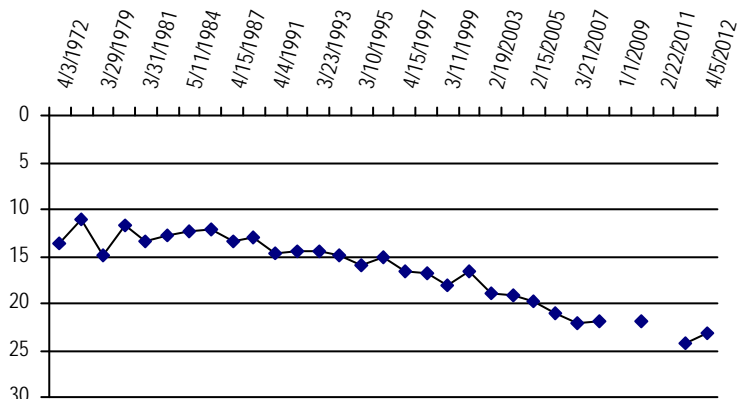


Well Name:	N-7	Owner:	CERVI RANCHES		
Permit #:	12225 - F -	Location #:	SB00306227DAD		USGS Site ID:
Division:	1	Water District:	1	County:	WELD
Location:	Q160 Q40 Q10	Section	Twnshp	Range	PM
	SE NE SE	27	3 N	62 W	S
				From N/S line:	From E/W line:
UTM Coordinates (NAD83):	Northing (UTM y):	4452605.6		Easting (UTM x):	555915.0 <i>GPS</i>
Latitude/Longitude (decimal degrees):					
Surface Elevation (ft):	4646.48			Water Level Change	
Well depth (ft):	109			1 year:	-1.06
Aquifer(s):	QUATERNARY ALLUVIUM			5 year:	-6.72
				10 year:	-6.72

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/15/2002	16.55	4629.93	1.50
2/19/2003	18.99	4627.49	-2.44
2/18/2004	19.13	4627.35	-0.14
2/15/2005	19.80	4626.68	-0.67
2/7/2006	21.15	4625.33	-1.35
3/21/2007	22.21	4624.27	-1.06
2/26/2008	21.94	4624.54	0.27
1/1/2009			
2/10/2010	21.90	4624.58	
2/22/2011			
11/1/2011	24.28	4622.20	
4/5/2012	23.27	4623.21	1.01

All Historic Measurements



LOST CREEK

Well Name: **S-1A-REPLACE** **Owner:** LOST CREEK LAND & CATTLE CO.
Permit #: 9596 - FP - R **Location #:** SB00306232AC **USGS Site ID:**

Division: 1 **Water District:** 1 **County:** WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE SW 32 3 N 62 W S **From N/S line:** **From E/W line:**

UTM Coordinates (NAD83): **Northing (UTM y):** 4448205.0 **Easting (UTM x):** 555590.0 *GPS*

Latitude/Longitude (decimal degrees):

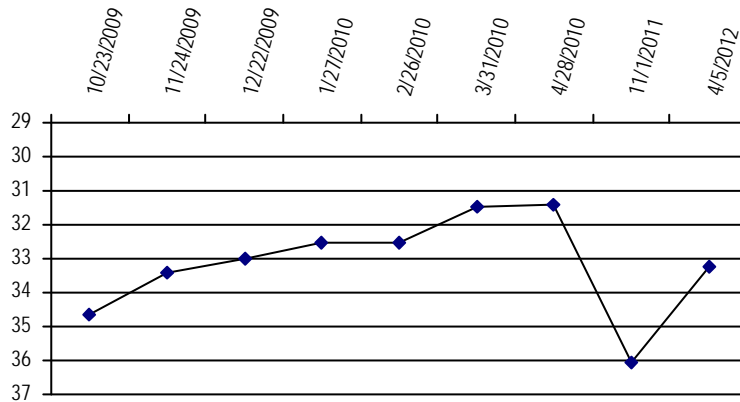
Surface Elevation (ft): 4692
Well depth (ft): 105
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year:
5 year:
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
10/23/2009	34.62	4657.38	
11/24/2009	33.40	4658.60	1.22
12/22/2009	32.98	4659.02	0.42
1/27/2010	32.52	4659.48	0.46
2/26/2010	32.50	4659.50	0.02
3/31/2010	31.45	4660.55	1.05
4/28/2010	31.40	4660.60	0.05
11/1/2011	36.04	4655.96	-4.64
4/5/2012	33.25	4658.75	2.79

All Historic Measurements



Well Name: **S-1A** **Owner:** PREMIER CORP.
Permit #: 9595 - F - **Location #:** SB00306232CDD **USGS Site ID:**

Division: 1 **Water District:** 1 **County:** WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SE SE 32 3 N 62 W S **From N/S line:** **From E/W line:**

UTM Coordinates (NAD83): **Northing (UTM y):** 4447426.0 **Easting (UTM x):** 555446.0 *GPS*

Latitude/Longitude (decimal degrees):

Surface Elevation (ft): 4690
Well depth (ft): 98
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year:
5 year:
10 year:

All Historic Measurements



LOST CREEK

Well Name: S-23A

Owner: CERVI RANCH

Permit #: - -

Location #: SB00306322CAD

USGS Site ID:

Division: 1 **Water District:** 1 **County:** WELD

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW NE SE 22 3 N 63 W S **From N/S line:** **From E/W line:**

UTM Coordinates (NAD83): **Northing (UTM y):** 4451023.1 **Easting (UTM x):** 548944.2 *GPS*

Latitude/Longitude (decimal degrees): 40.208188 -104.424863

Surface Elevation (ft): 4747

Well depth (ft):

Aquifer(s): QUATERNARY ALLUVIUM

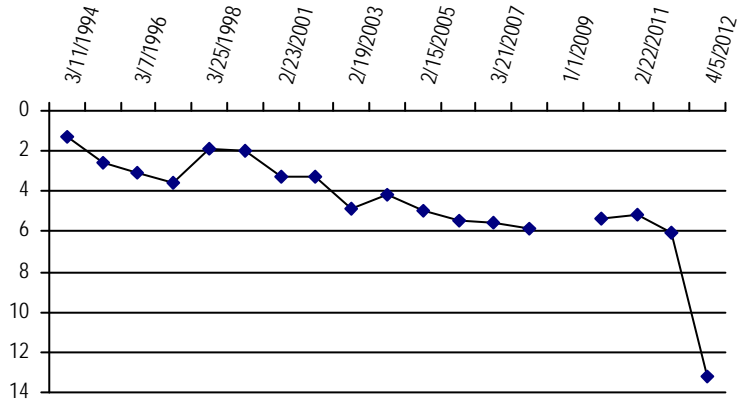
Water Level Change

1 year: -8.03
5 year: -7.64
10 year: -9.91

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/15/2002	3.25	4743.75	0.00
2/19/2003	4.90	4742.10	-1.65
2/18/2004	4.20	4742.80	0.70
2/15/2005	4.94	4742.06	-0.74
2/7/2006	5.51	4741.49	-0.57
3/21/2007	5.52	4741.48	-0.01
2/26/2008	5.88	4741.12	-0.36
1/1/2009			
2/10/2010	5.38	4741.62	
2/22/2011	5.13	4741.87	0.25
11/1/2011	6.02	4740.98	-0.89
4/5/2012	13.16	4733.84	-7.14

All Historic Measurements



Well Name: S-24

Owner: CERVI RANCHES

Permit #: - -

Location #: SB00306325DDD

USGS Site ID:

Division: 1 **Water District:** 1 **County:** WELD

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SE SE 25 3 N 63 W S **From N/S line:** **From E/W line:**

UTM Coordinates (NAD83): **Northing (UTM y):** 4448793.0 **Easting (UTM x):** 552991.2 *GPS*

Latitude/Longitude (decimal degrees): 40.187852 -104.377494

Surface Elevation (ft): 4692

Well depth (ft):

Aquifer(s): QUATERNARY ALLUVIUM

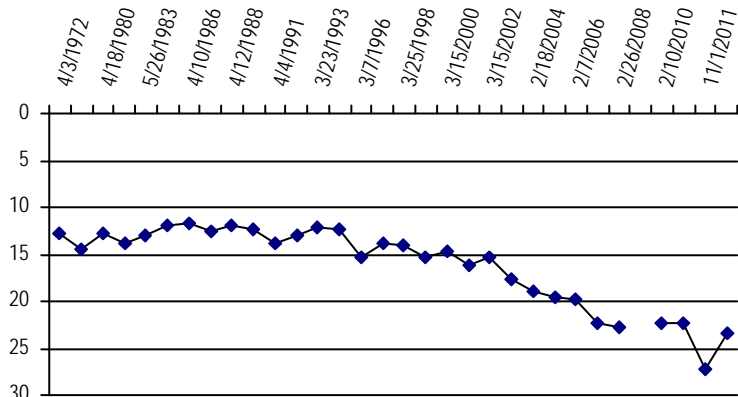
Water Level Change

1 year: -1.04
5 year: -0.99
10 year: -8.05

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/15/2002	15.26	4676.74	0.96
2/19/2003	17.60	4674.40	-2.34
2/18/2004	18.85	4673.15	-1.25
2/15/2005	19.54	4672.46	-0.69
2/7/2006	19.79	4672.21	-0.25
3/21/2007	22.32	4669.68	-2.53
2/26/2008	22.76	4669.24	-0.44
1/1/2009			
2/10/2010	22.42	4669.58	
2/22/2011	22.27	4669.73	0.15
11/1/2011	27.13	4664.87	-4.86
4/5/2012	23.31	4668.69	3.82

All Historic Measurements



LOST CREEK

Well Name: S-26A

Owner: CERVI RANCHES

Permit #: - -

Location #: SB00306326ACA

USGS Site ID:

Division: 1 **Water District:** 1 **County:** WELD

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE SW NE 26 3 N 63 W S **From N/S line:** **From E/W line:**

UTM Coordinates (NAD83): **Northing (UTM y):** 4449820.1 **Easting (UTM x):** 550930.2 *GPS*

Latitude/Longitude (decimal degrees): 40.197232 -104.401622

Surface Elevation (ft): 4710

Well depth (ft):

Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change

1 year:

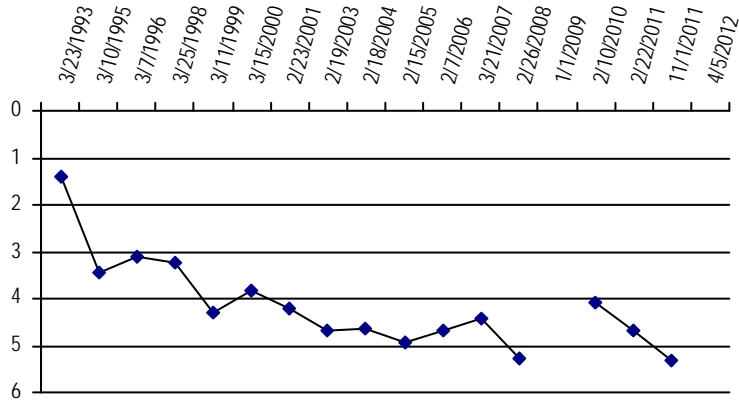
5 year:

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/19/2003	4.70	4705.30	-0.50
2/18/2004	4.64	4705.36	0.06
2/15/2005	4.93	4705.07	-0.29
2/7/2006	4.68	4705.32	0.25
3/21/2007	4.43	4705.57	0.25
2/26/2008	5.26	4704.74	-0.83
1/1/2009			
2/10/2010	4.08	4705.92	
2/22/2011	4.68	4705.32	-0.60
11/1/2011	5.32	4704.68	-0.64
4/5/2012			

All Historic Measurements



Well Name: N-1

Owner: ROSS SEYFRIED

Permit #: - -

Location #: SB00406235BAC

USGS Site ID:

Division: 1 **Water District:** 1 **County:** WELD

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NE SW 35 4 N 62 W S **From N/S line:** **From E/W line:**

UTM Coordinates (NAD83): **Northing (UTM y):** 4458286.1 **Easting (UTM x):** 559944.3 *GPS*

Latitude/Longitude (decimal degrees): 40.272904 -104.294933

Surface Elevation (ft): 4540

Well depth (ft): 51

Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change

1 year: 0.25

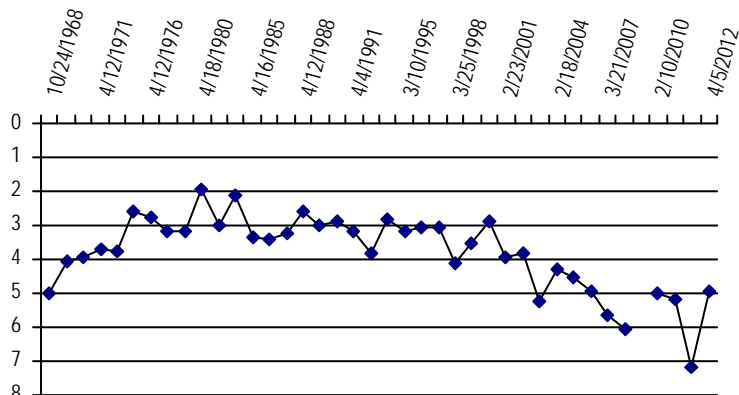
5 year: 0.75

10 year: -1.07

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/15/2002	3.85	4536.15	0.10
2/19/2003	5.26	4534.74	-1.41
2/18/2004	4.29	4535.71	0.97
2/15/2005	4.50	4535.50	-0.21
2/7/2006	4.94	4535.06	-0.44
3/21/2007	5.67	4534.33	-0.73
2/26/2008	6.07	4533.93	-0.40
1/1/2009			
2/10/2010	5.00	4535.00	
2/22/2011	5.17	4534.83	-0.17
11/1/2011	7.18	4532.82	-2.01
4/5/2012	4.92	4535.08	2.26

All Historic Measurements



LOST CREEK

Well Name: LC-7

Owner: JOHN SAUTER

Permit #: - - **Location #:** SC00106308CD

USGS Site ID:

Division: 1 **Water District:** 1 **County:** ADAMS

Location: Q160 Q40 Q10 Section Twntshp Range PM Distance from section lines:
SW SE 8 1 S 63 W S **From N/S line:** **From E/W line:**

UTM Coordinates (NAD83): **Northing (UTM y):** 4424655.0 **Easting (UTM x):** 545855.0 *GPS*

Latitude/Longitude (decimal degrees):

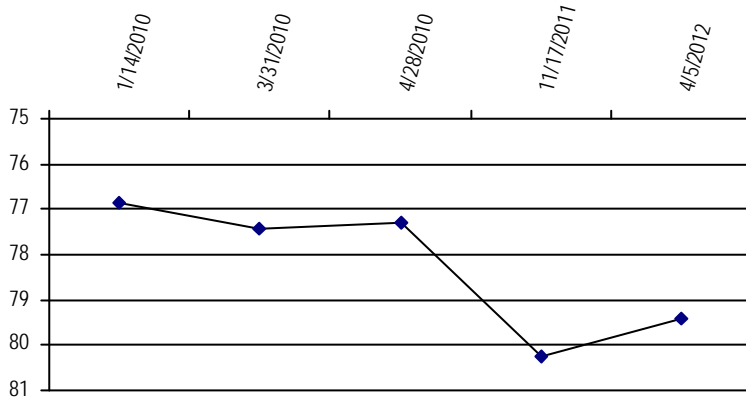
Surface Elevation (ft): 5042
Well depth (ft): 103
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year:
5 year:
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
1/14/2010	76.84	4965.16	
3/31/2010	77.41	4964.59	-0.57
4/28/2010	77.29	4964.71	0.12
11/17/2011	80.23	4961.77	-2.94
4/5/2012	79.40	4962.60	0.83

All Historic Measurements



Well Name: GS-6

Owner: JOHN KILPATRICK

Permit #: 14856 - R - **Location #:** SC00106310BBB

USGS Site ID: 395904104252901

Division: 1 **Water District:** 1 **County:** ADAMS

Location: Q160 Q40 Q10 Section Twntshp Range PM Distance from section lines:
NW NW NW 10 1 S 63 W S **From N/S line:** **From E/W line:**

UTM Coordinates (NAD83): **Northing (UTM y):** 4426200.9 **Easting (UTM x):** 548372.0 *GPS*

Latitude/Longitude (decimal degrees): 39.984593 -104.433445

Surface Elevation (ft): 5006
Well depth (ft): 180
Aquifer(s): QUATERNARY ALLUVIUM

Water Level Change
1 year: 0.18
5 year: 0.58
10 year: -2.35

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/15/2002	116.00	4890.00	0.55
2/19/2003	117.09	4888.91	-1.09
2/18/2004	117.41	4888.59	-0.32
2/15/2005	118.22	4887.78	-0.81
2/7/2006	118.22	4887.78	0.00
3/21/2007	118.93	4887.07	-0.71
2/26/2008	119.59	4886.41	-0.66
1/1/2009			
2/10/2010	118.96	4887.04	
2/22/2011	118.53	4887.47	0.43
11/17/2011	118.90	4887.10	-0.37
4/5/2012	118.35	4887.65	0.55

All Historic Measurements

