

GROUNDWATER LEVELS
in the
NORTH KIOWA-BIJOU
DESIGNATED GROUND WATER BASIN
2015



by
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COLORADO
Division of Water Resources
Department of Natural Resources

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NORTH KIOWA-BIJOU DESIGNATED GROUND WATER BASIN 2015

This report contains the basic groundwater level data collected from wells in the North Kiowa-Bijou Ground Water Management District during the period from 2005 through 2015. Acquisition and publication of this information is a cooperative effort between the North Kiowa-Bijou Ground Water Management District, private land owners, 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.

A total of 32 wells were measured in early March 2015. These wells are all part of an observation well network that has been measured for many years. Records on at least one well date back to 1936, however, measurements from most of the wells date from the 1950's and 1960's. For 2015, depth to groundwater below land surface ranged from approximately 12 feet in the southern portion of the basin near Strasburg to 160 feet in the downstream reach near Wiggins. Water levels in excess of 100 feet were reported in wells: KB-13, KB-14, KB-15, KB-18, and KB-41. These wells are located in the northernmost portion of the Bijou Creek drainage.

A map is included showing the locations of the monitoring wells included in this publication, including a new well in the southern portion of the map, KB-42. The wells in this report are listed by township, range and section. Tabular data are presented for each well for the previous ten years. Graphical data are presented for the entire period of record. Measurements for the full period of record may be accessed from HydroBase.

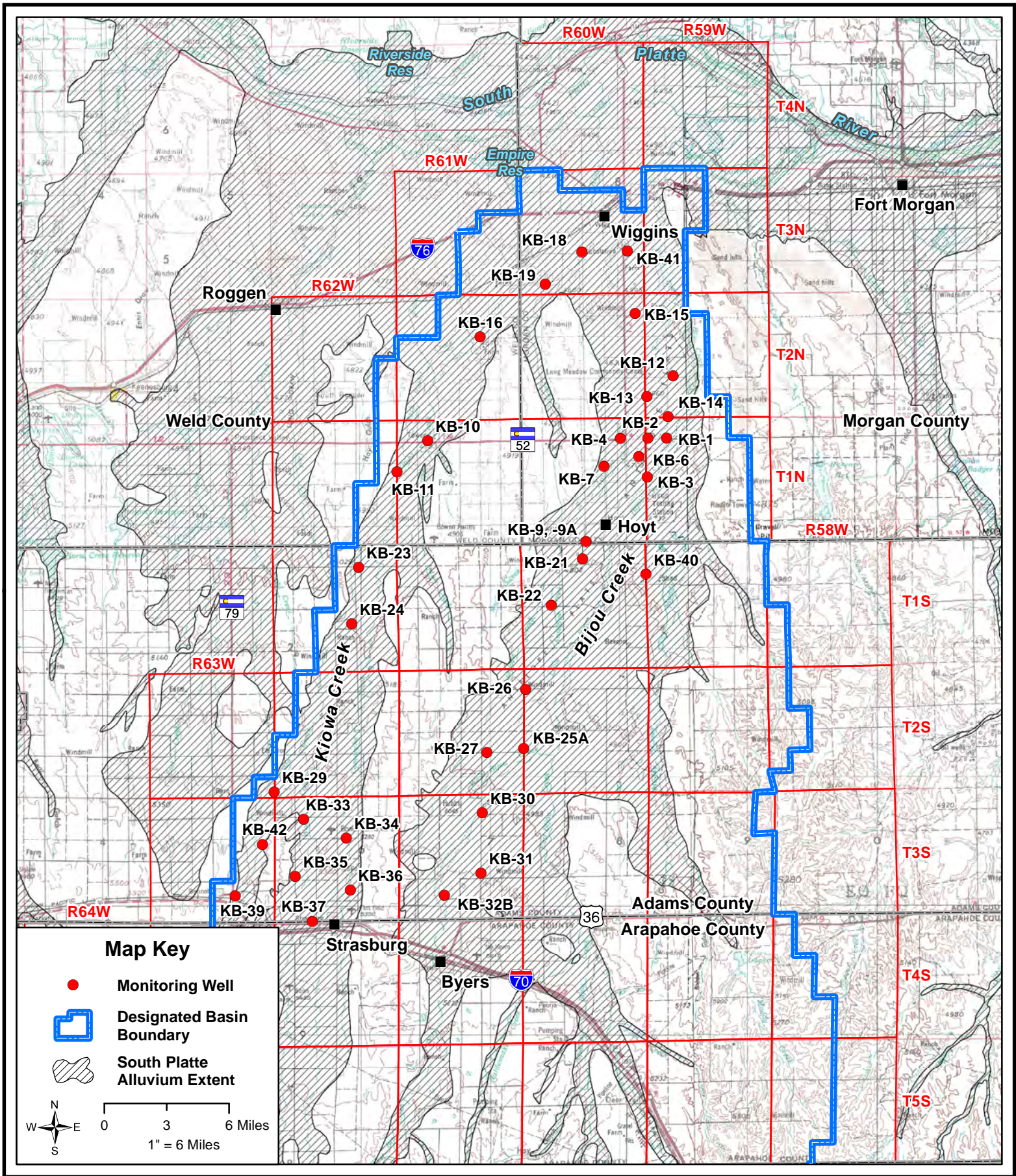
Analyses of changes in the water level in the aquifer are complicated by unknown pumping schedules. Overall, average ground water levels in wells measured by the Division of Water Resources increased by 0.45 feet compared to 2014. Because of the distribution of the alluvium in this basin, analysis of groundwater levels by drainage is more revealing. Water level trends in the Kiowa Creek drainage were relatively stable over the one and five year averages and declined 4.3 feet over a ten year average. Water level trends in the Bijou Creek drainage increased 1.1 feet over a one year average and declined 3.6 feet over a ten year average. Individual wells, however, vary significantly. The long-term trend over most of the basin shows a significant water level decline.

An electronic copy of this report, in Adobe PDF format, is available on the Division of Water Resources website <http://water.state.co.us/groundwater/Pages/HydroGeo.aspx>. Additionally, all groundwater level data may be accessed and exported using the tools available on the Colorado Decision Support System website: <http://cdss.state.co.us/onlineTools/Pages/GroundWaterWaterLevels.aspx>

Hardcopy reports may be obtained from the Colorado Division of Water Resources, Public Records Section at 1313 Sherman Street, Room 818, Denver, CO 80203.

If you have any questions regarding alluvial groundwater and the information in this report, please contact the Groundwater Information Desk at (303) 866-3587.

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North Kiowa-Bijou Designated Basin Monitoring Well Locations



COLORADO
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KIOWA-BIJOU

Well Name: **KB-1** *Owner:*
Permit #: - NP - **Location #:** SB00105905CCC **USGS Site ID:** 400425104010402

Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SW SW SW 5 1 N 59 W S **From N/S line:** **From E/W line:**

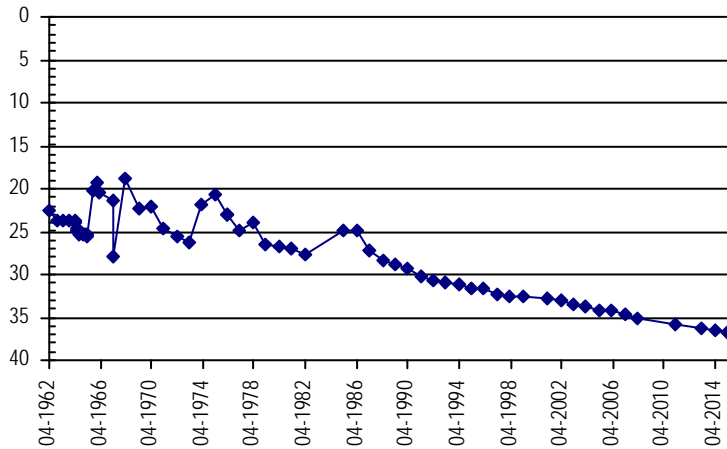
UTM Coordinates (NAD83): **Northing (UTM y)** 4436390.5 **Easting (UTM x):** 583703.7
Latitude/Longitude (decimal degrees): 40.073624 -104.018353

Surface Elevation (ft): 4678.58 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 30 **Bottom Perforated Interval (ft):** **1 year:** -0.13
Aquifer(s): QUATERNARY ALLUVIUM **5 year:**
10 year: -2.53

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	34.18	4644.40	-0.47
2/6/2006	34.30	4644.28	-0.12
3/20/2007	34.66	4643.92	-0.36
2/26/2008	35.02	4643.56	-0.36
1/1/2009			
2/16/2010			
2/17/2011	35.78	4642.80	
3/9/2012			
3/26/2013	36.31	4642.27	
4/4/2014	36.58	4642.00	-0.27
3/11/2015	36.71	4641.87	-0.13

All Historic Measurements



Well Name: **KB-2** *Owner:*
Permit #: 8425 - - **Location #:** SB00105906CCC **USGS Site ID:** 400426104020401

Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SW SW SE 6 1 N 59 W S **From N/S line:** **From E/W line:**

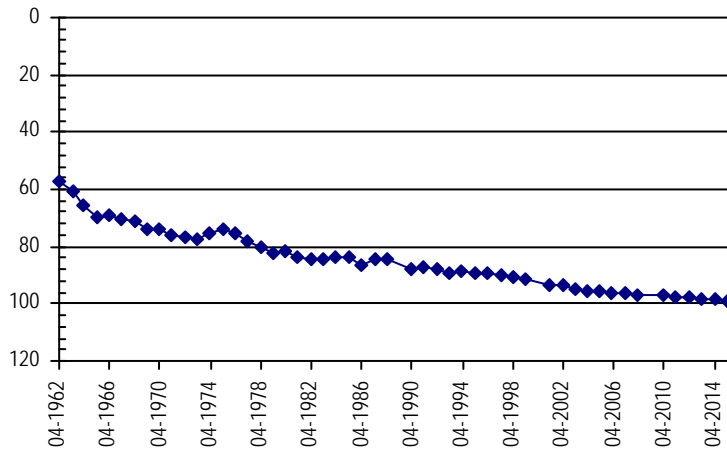
UTM Coordinates (NAD83): **Northing (UTM y)** 4436382.1 **Easting (UTM x):** 582279.7
Latitude/Longitude (decimal degrees): 40.073689 -104.035052

Surface Elevation (ft): 4692.59 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 116 **Bottom Perforated Interval (ft):** **1 year:** -0.36
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -2.14
10 year: -3.18

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	95.80	4596.79	-0.32
2/6/2006	96.58	4596.01	-0.78
3/20/2007	96.61	4595.98	-0.03
2/4/2008	96.93	4595.66	-0.32
1/1/2009			
2/16/2010	96.84	4595.75	
2/17/2011	97.37	4595.22	-0.53
3/9/2012	97.92	4594.67	-0.55
3/26/2013	98.38	4594.21	-0.46
4/4/2014	98.62	4593.97	-0.24
3/11/2015	98.98	4593.61	-0.36

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-3** *Owner:*
Permit #: 8963 - FP - **Location #:** SB00105918CCC **USGS Site ID:** 400246104021101

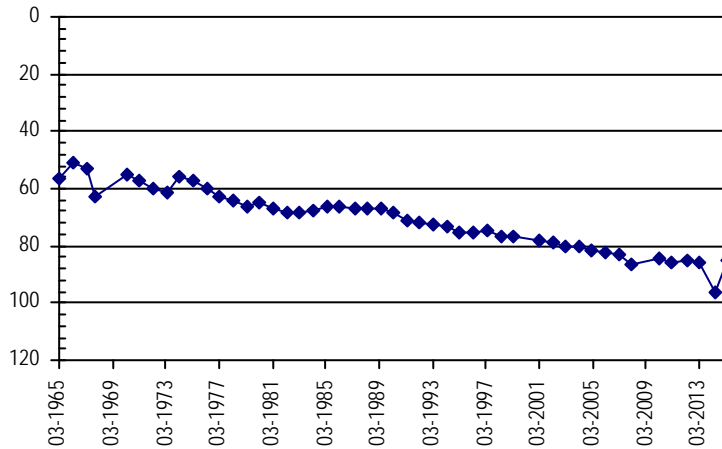
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SW SW SW 18 1 N 59 W S *From N/S line:* *From E/W line:*
UTM Coordinates (NAD83): *Northing (UTM y)* 4433371.9 *Easting (UTM x):* 582225.7
Latitude/Longitude (decimal degrees): 40.046577 -104.036068

Surface Elevation (ft): 4711.6 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 116 **Bottom Perforated Interval (ft):** **1 year:** 11.23
5 year: -0.50
10 year: -2.94
Aquifer(s): QUATERNARY ALLUVIUM

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	81.93	4629.67	-1.45
2/6/2006	82.51	4629.09	-0.58
3/20/2007	82.76	4628.84	-0.25
2/4/2008	86.23	4625.37	-3.47
1/1/2009			
2/16/2010	84.37	4627.23	
2/17/2011	85.62	4625.98	-1.25
3/9/2012	85.19	4626.41	0.43
3/26/2013	85.86	4625.74	-0.67
4/4/2014	96.10	4615.50	-10.24
3/11/2015	84.87	4626.73	11.23

All Historic Measurements



Well Name: **KB-4** *Owner:*
Permit #: 6361 - RFP - **Location #:** SB00106002DDD **USGS Site ID:** 400426104033301

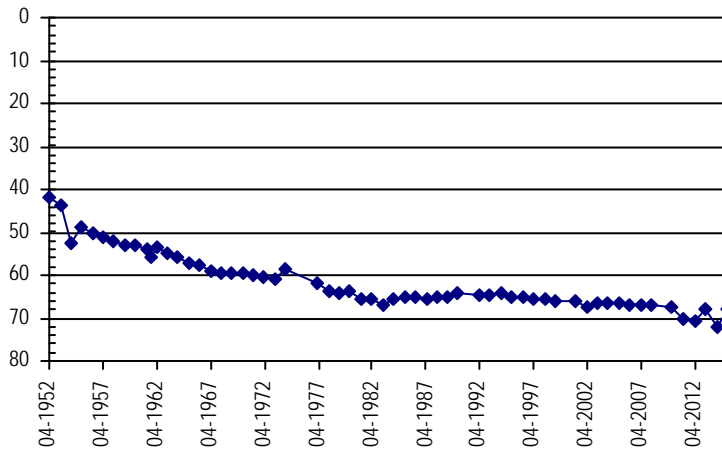
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SE SE SE 2 1 N 60 W S *From N/S line:* *From E/W line:*
UTM Coordinates (NAD83): *Northing (UTM y)* 4436365.8 *Easting (UTM x):* 580137.8
Latitude/Longitude (decimal degrees): 40.073749 -104.060171

Surface Elevation (ft): 4699.6 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 86 **Bottom Perforated Interval (ft):** **1 year:** 4.29
5 year: -0.43
10 year: -1.27
Aquifer(s): QUATERNARY ALLUVIUM

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	66.60	4633.00	-0.22
2/6/2006	66.96	4632.64	-0.36
3/20/2007	66.89	4632.71	0.07
2/4/2008	66.93	4632.67	-0.04
1/1/2009			
2/16/2010	67.44	4632.16	
2/17/2011	70.44	4629.16	-3.00
3/9/2012	70.55	4629.05	-0.11
3/26/2013	67.83	4631.77	2.72
4/4/2014	72.16	4627.44	-4.33
3/11/2015	67.87	4631.73	4.29

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-6** **Owner:** HOGAN
Permit #: 3700 - FP - **Location #:** SB00106012DCD **USGS Site ID:** 400338104023501

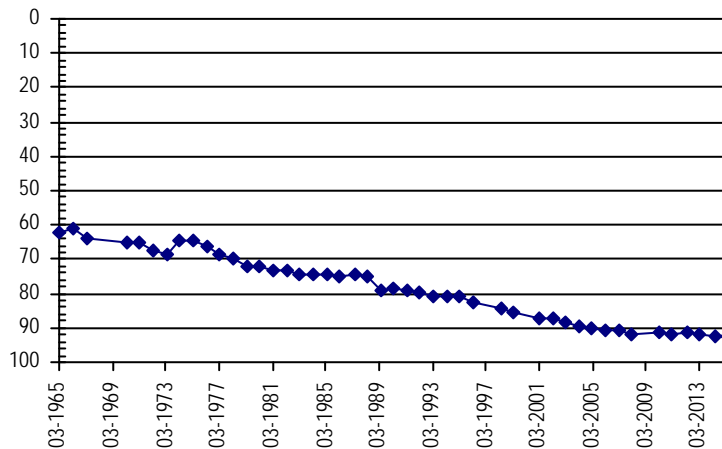
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SW SE 12 1 N 60 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4434943.9 **Easting (UTM x):** 581561.8
Latitude/Longitude (decimal degrees): 40.060803 -104.043652

Surface Elevation (ft): 4709.59 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 117 **Bottom Perforated Interval (ft):** **1 year:** -0.41
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -1.16
10 year: -2.52

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	90.09	4619.50	-0.66
2/6/2006	90.82	4618.77	-0.73
3/20/2007	90.58	4619.01	0.24
2/4/2008	91.80	4617.79	-1.22
1/1/2009			
2/16/2010	91.45	4618.14	
2/17/2011	91.84	4617.75	-0.39
3/9/2012	91.49	4618.10	0.35
3/26/2013	91.91	4617.68	-0.42
4/4/2014	92.20	4617.39	-0.29
3/11/2015	92.61	4616.98	-0.41

All Historic Measurements



Well Name: **KB-7** **Owner:**
Permit #: - NP - **Location #:** SB00106015ADA **USGS Site ID:** 400315104043101

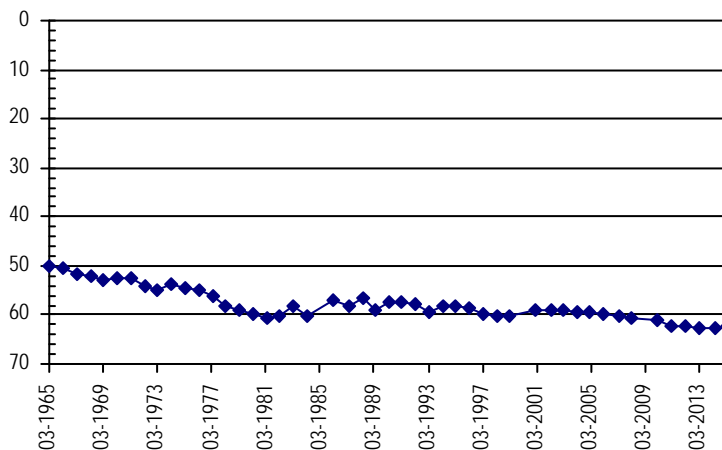
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE SE NE 15 1 N 60 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4434190.9 **Easting (UTM x):** 578862.8
Latitude/Longitude (decimal degrees): 40.054276 -104.075387

Surface Elevation (ft): 4725.62 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 85 **Bottom Perforated Interval (ft):** **1 year:** 0.47
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -1.06
10 year: -2.81

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	59.32	4666.30	-0.09
2/6/2006	59.92	4665.70	-0.60
3/20/2007	60.12	4665.50	-0.20
2/4/2008	60.59	4665.03	-0.47
1/1/2009			
2/16/2010	61.07	4664.55	
2/17/2011	62.25	4663.37	-1.18
3/9/2012	62.30	4663.32	-0.05
3/26/2013	62.51	4663.11	-0.21
4/4/2014	62.60	4663.02	-0.09
3/11/2015	62.13	4663.49	0.47

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-9, -9A** **Owner:** KOBABEL
Permit #: - NP - **Location #:** SB00106034CCC **USGS Site ID:** 400004104053601

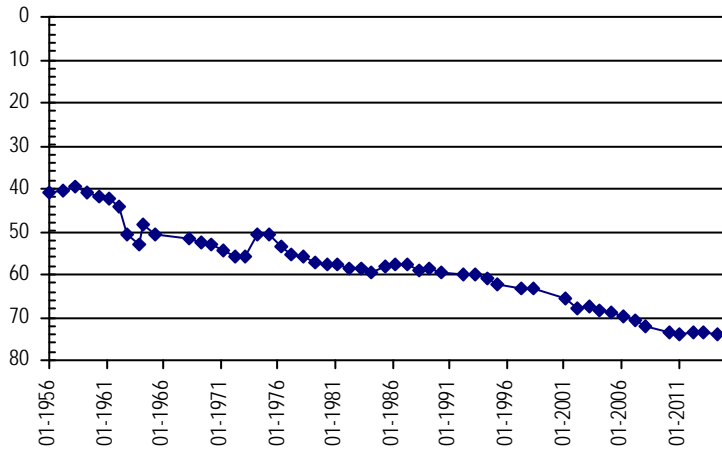
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section **Twnshp** Range **PM** **Distance from section lines:**
 SW SW SW 34 1 N 60 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4428360.9 **Easting (UTM x):** 577481.8
Latitude/Longitude (decimal degrees): 40.001884 -104.092273

Surface Elevation (ft): 4790.64 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 97 **Bottom Perforated Interval (ft):** **1 year:** 0.10
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -0.48
10 year: -5.28

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	68.71	4721.93	-0.13
2/6/2006	69.70	4720.94	-0.99
3/20/2007	70.69	4719.95	-0.99
2/4/2008	72.04	4718.60	-1.35
1/1/2009			
2/16/2010	73.51	4717.13	
2/17/2011	73.75	4716.89	-0.24
3/9/2012	73.45	4717.19	0.30
3/26/2013	73.54	4717.10	-0.09
4/4/2014	74.09	4716.55	-0.55
3/11/2015	73.99	4716.65	0.10

All Historic Measurements



Well Name: **KB-10** **Owner:**
Permit #: - NP - **Location #:** SB00106105DCC **USGS Site ID:** 400425104140301

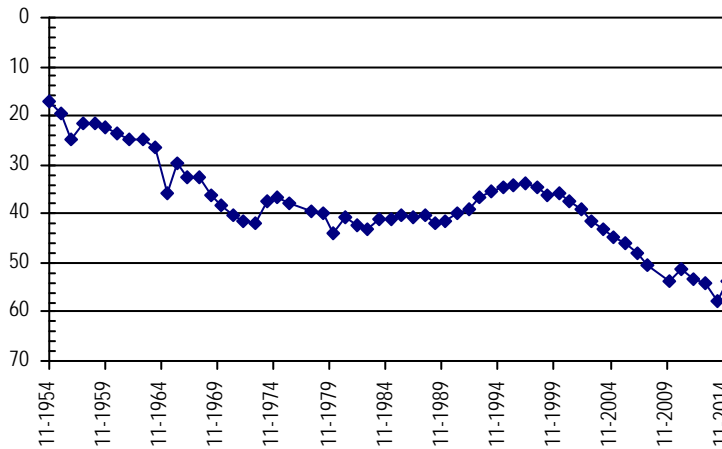
Division: 1 **Water District:** 1 **County:** WELD
Location: Q160 Q40 Q10 Section **Twnshp** Range **PM** **Distance from section lines:**
 SE SW SW 5 1 N 61 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4436181.9 **Easting (UTM x):** 565211.1
Latitude/Longitude (decimal degrees): 40.073380 -104.235229

Surface Elevation (ft): 4177.69 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 59 **Bottom Perforated Interval (ft):** **1 year:** 3.82
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 0.05
10 year: -9.04

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	44.81	4732.88	-1.61
2/6/2006	46.09	4731.60	-1.28
3/20/2007	47.97	4729.72	-1.88
2/4/2008	50.44	4727.25	-2.47
1/1/2009			
2/10/2010	53.90	4723.79	
2/17/2011	51.46	4726.23	2.44
3/8/2012	53.17	4724.52	-1.71
3/20/2013	54.20	4723.49	-1.03
4/4/2014	57.67	4720.02	-3.47
3/10/2015	53.85	4723.84	3.82

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-11** **Owner:** J&J COOKSEY FARMS
Permit #: 4874 - - **Location #:** SB00106213ADD **USGS Site ID:** 400306104154701

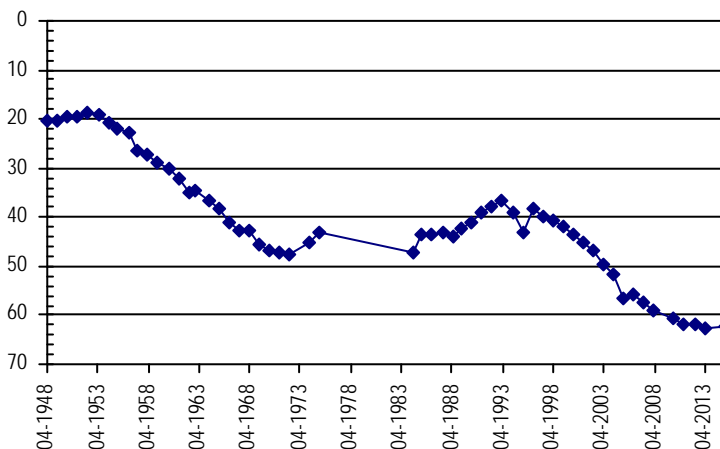
Division: 1 **Water District:** 1 **County:** WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
NE SE SE 13 1 N 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4433747.9 **Easting (UTM x):** 562834.1
Latitude/Longitude (decimal degrees): 40.051633 -104.263339

Surface Elevation (ft): 4823.71 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 76 **Bottom Perforated Interval (ft):** **1 year:**
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -1.58
10 year: -5.76

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	56.40	4767.31	-4.78
2/6/2006	55.74	4767.97	0.66
3/20/2007	57.35	4766.36	-1.61
2/4/2008	59.10	4764.61	-1.75
1/1/2009			
2/10/2010	60.58	4763.13	
2/17/2011	61.71	4762.00	-1.13
3/8/2012	62.01	4761.70	-0.30
3/20/2013	62.86	4760.85	-0.85
4/4/2014			
3/10/2015	62.16	4761.55	

All Historic Measurements



Well Name: **01N6213ADD** **Owner:** ROARK,C.M.
Permit #: 4874 - F - **Location #:** SB00106213ADD2 **USGS Site ID:**

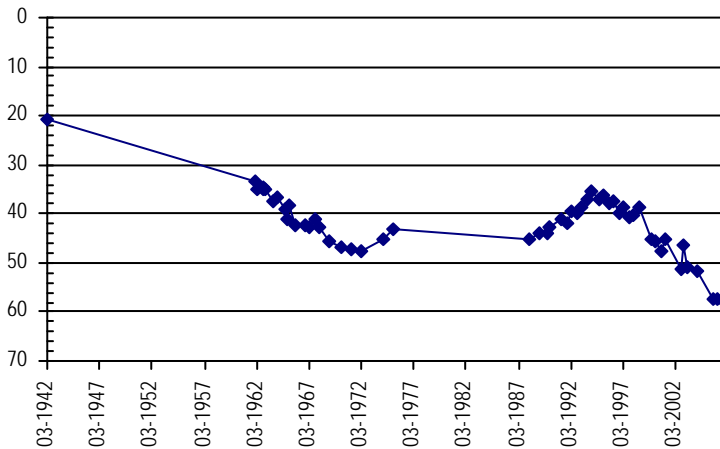
Division: 1 **Water District:** 1 **County:** WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
NE SE SE 13 1 N 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4433755.0 **Easting (UTM x):** 562831.0
Latitude/Longitude (decimal degrees): 40.051697 -104.263374

Surface Elevation (ft): 4821 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): **Bottom Perforated Interval (ft):** **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)
11/4/2005	57.37	4763.63	-5.74
4/6/2006	57.42	4763.58	-0.05
12/12/2006	58.18	4762.82	-0.76

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-12** **Owner:** JACKIE RICHARDSON
Permit #: 4587 - - **Location #:** SB00205920CDC **USGS Site ID:** 400702104004001

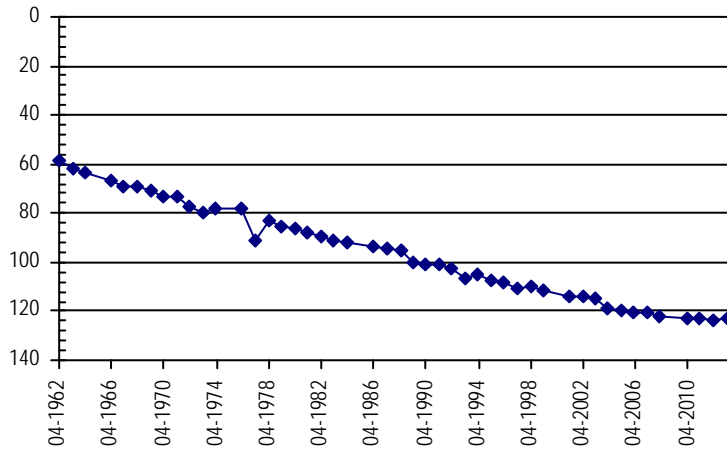
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SW SE SW 20 2 N 59 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4441223.5 **Easting (UTM x):** 584221.6
Latitude/Longitude (decimal degrees): 40.117110 -104.011651

Surface Elevation (ft): 4644.56 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 150 **Bottom Perforated Interval (ft):** **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)
2/14/2005	119.97	4524.59	-1.39
2/6/2006	120.84	4523.72	-0.87
3/20/2007	120.63	4523.93	0.21
2/4/2008	121.92	4522.64	-1.29
1/1/2009			
2/16/2010	122.73	4521.83	
2/17/2011	123.22	4521.34	-0.49
3/9/2012	124.01	4520.55	-0.79
3/26/2013	122.80	4521.76	1.21
4/4/2014			
3/10/2015			

All Historic Measurements



Well Name: **KB-13** **Owner:**
Permit #: 6987 - - **Location #:** SB00205930CCC **USGS Site ID:** 400609104020701

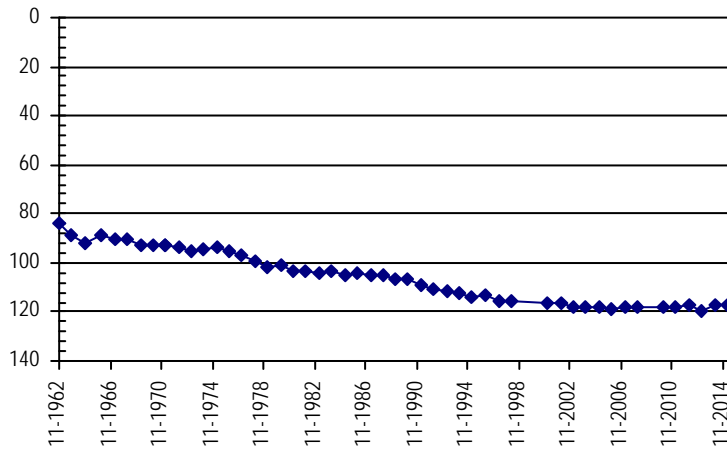
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SW SW SW 30 2 N 59 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4439600.8 **Easting (UTM x):** 582194.4
Latitude/Longitude (decimal degrees): 40.102693 -104.035644

Surface Elevation (ft): 4660.57 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 143 **Bottom Perforated Interval (ft):** **1 year:** -0.06
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 0.80
10 year: 1.25

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	118.26	4542.31	-0.04
2/6/2006	118.63	4541.94	-0.37
3/20/2007	117.86	4542.71	0.77
2/4/2008	118.16	4542.41	-0.30
1/1/2009			
2/16/2010	117.81	4542.76	
2/17/2011	118.16	4542.41	-0.35
3/9/2012	117.11	4543.46	1.05
3/26/2013	119.44	4541.13	-2.33
4/4/2014	116.95	4543.62	2.49
3/11/2015	117.01	4543.56	-0.06

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-14** **Owner:** GLEN FRIHAUF
Permit #: 2857 - - **Location #:** SB00205932CCC **USGS Site ID:** 400518104005801

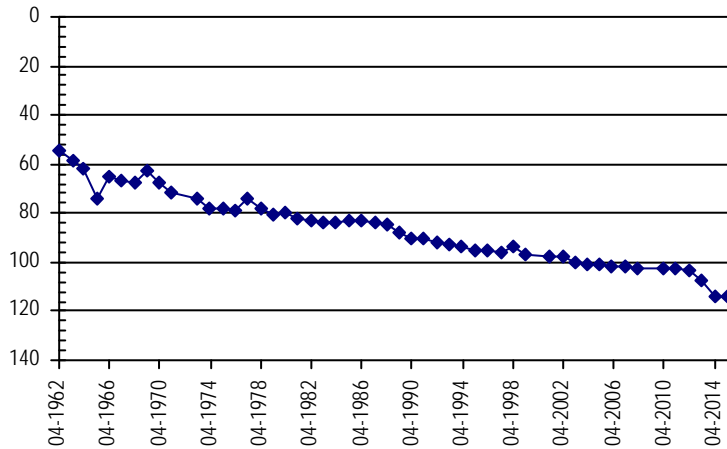
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SW SW SW 32 2 N 59 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4438032.9 **Easting (UTM x):** 583834.9
Latitude/Longitude (decimal degrees): 40.088407 -104.016602

Surface Elevation (ft): 4674.57 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 108 **Bottom Perforated Interval (ft):** **1 year:** -0.08
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -11.68
10 year: -13.69

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	100.66	4573.91	0.27
2/6/2006	102.12	4572.45	-1.46
3/20/2007	101.76	4572.81	0.36
2/4/2008	102.94	4571.63	-1.18
1/1/2009			
2/16/2010	102.67	4571.90	
2/17/2011	102.73	4571.84	-0.06
3/9/2012	103.72	4570.85	-0.99
3/26/2013	107.10	4567.47	-3.38
4/4/2014	114.27	4560.30	-7.17
3/11/2015	114.35	4560.22	-0.08

All Historic Measurements



Well Name: **KB-15** **Owner:**
Permit #: 10491 - - **Location #:** SB00206001DCC **USGS Site ID:** 400938104024301

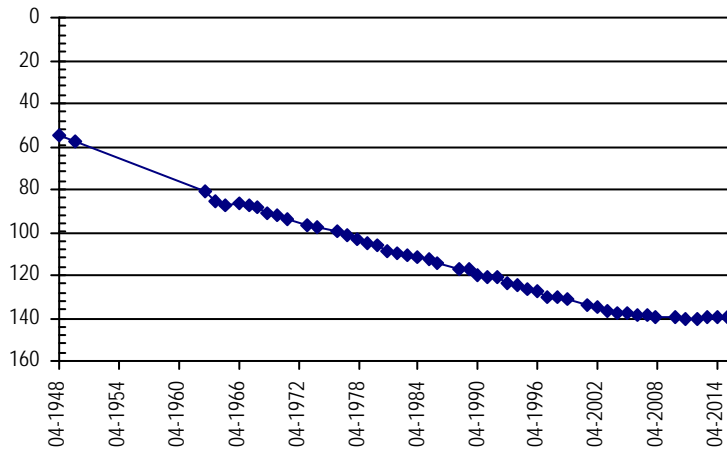
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SE SW SW 1 2 N 60 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4446024.9 **Easting (UTM x):** 581277.8
Latitude/Longitude (decimal degrees): 40.160652 -104.045587

Surface Elevation (ft): 4613.55 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 164 **Bottom Perforated Interval (ft):** **1 year:** -0.19
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -0.24
10 year: -2.19

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	137.76	4475.79	-0.26
2/6/2006	138.75	4474.80	-0.99
3/20/2007	138.83	4474.72	-0.08
2/4/2008	139.92	4473.63	-1.09
1/1/2009			
2/16/2010	139.71	4473.84	
2/17/2011	140.33	4473.22	-0.62
3/9/2012	140.05	4473.50	0.28
3/20/2013	139.82	4473.73	0.23
4/4/2014	139.76	4473.79	0.06
3/10/2015	139.95	4473.60	-0.19

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-16**

Owner:

Permit #: 8309 - - **Location #:** SB00206111CCC **USGS Site ID:** 400845104111101

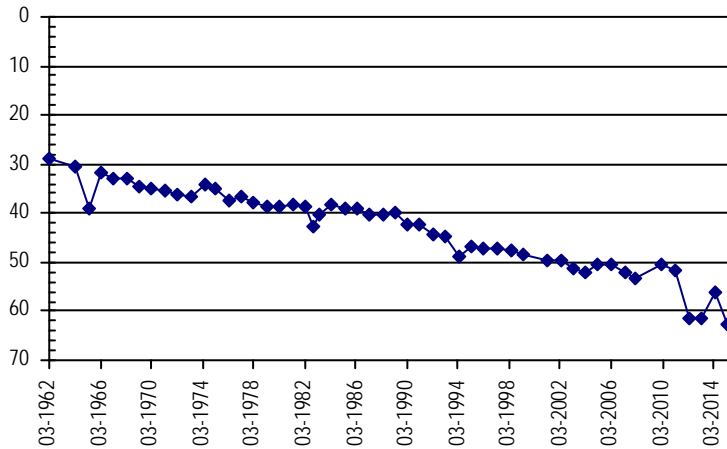
Division: 1 **Water District:** 1 **County:** WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SW SW 11 2 N 61 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4444220.9 **Easting (UTM x):** 569265.1
Latitude/Longitude (decimal degrees): 40.145477 -104.186827

Surface Elevation (ft): 4672.63 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 83 **Bottom Perforated Interval (ft):** **1 year:** -6.31
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -11.93
10 year: -12.23

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	50.35	4622.28	1.67
2/6/2006	50.37	4622.26	-0.02
3/20/2007	52.22	4620.41	-1.85
2/4/2008	53.33	4619.30	-1.11
1/1/2009			
2/16/2010	50.65	4621.98	
2/17/2011	51.54	4621.09	-0.89
3/9/2012	61.30	4611.33	-9.76
3/20/2013	61.55	4611.08	-0.25
4/4/2014	56.27	4616.36	5.28
3/10/2015	62.58	4610.05	-6.31

All Historic Measurements



Well Name: **KB-18**

Owner: CSU WP#5

Permit #: 4422 - RFP - **Location #:** SB00306022CCC **USGS Site ID:** 401214104053401

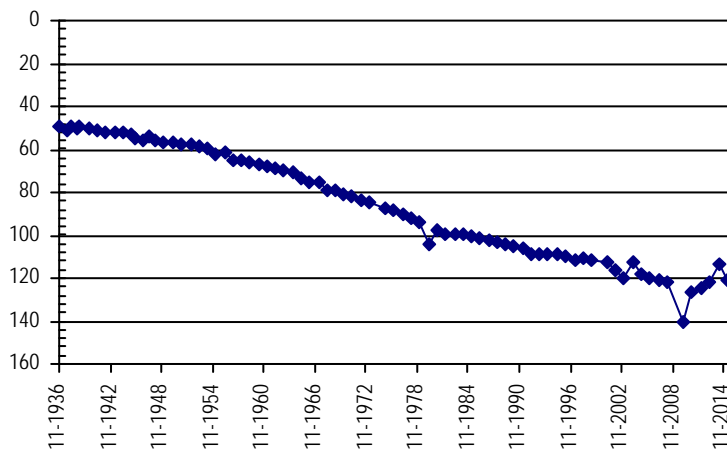
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SW SW 22 3 N 60 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4450787.9 **Easting (UTM x):** 577156.9
Latitude/Longitude (decimal degrees): 40.203948 -104.093400

Surface Elevation (ft): 4570.54 **Top Perforated Interval (ft):** 0 **Base of grout (ft):** **Water Level Change**
Well depth (ft): 120 **Bottom Perforated Interval (ft):** 0 **1 year:** -7.93
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 19.40
10 year: -3.08

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	118.00	4452.54	-5.21
2/6/2006	119.99	4450.55	-1.99
3/20/2007	121.15	4449.39	-1.16
2/26/2008	122.30	4448.24	-1.15
1/1/2009			
2/16/2010	140.48	4430.06	
2/17/2011	126.33	4444.21	14.15
3/9/2012	124.90	4445.64	1.43
3/20/2013	121.96	4448.58	2.94
4/4/2014	113.15	4457.39	8.81
3/10/2015	121.08	4449.46	-7.93

All Historic Measurements



KIOWA-BIJOU

Well Name: KB-41

Owner: KAMMERZELL

Permit #: - -

Location #: SB00306024CCD

USGS Site ID:

Division: 1 *Water District:* 1 *County:* MORGAN

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SW SE 24 3 N 60 W S *From N/S line:* *From E/W line:*

UTM Coordinates (NAD83): Northing (UTM y) 4450853.8 *Easting (UTM x):* 580680.8

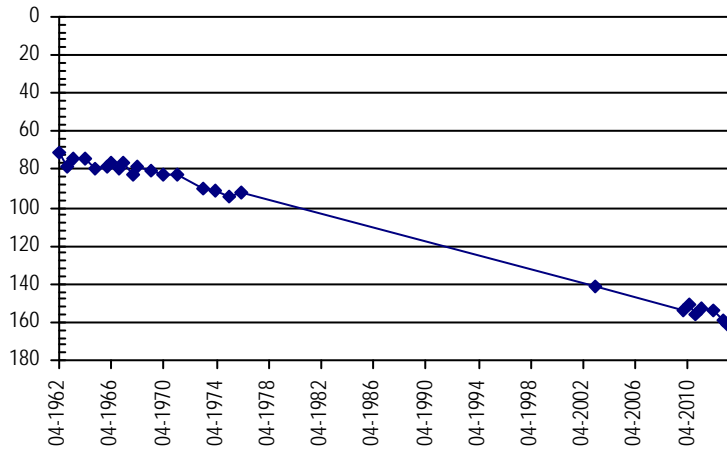
Latitude/Longitude (decimal degrees): 40.204210 -104.051991

Surface Elevation (ft): 4578 *Top Perforated Interval (ft):* *Base of grout (ft):* **Water Level Change**
Well depth (ft): *Bottom Perforated Interval (ft):* **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)
12/4/2009	153.50	4424.50	-11.98
4/2/2010	151.00	4427.00	2.50
11/23/2010	156.00	4422.00	-5.00
3/18/2011	152.50	4425.50	3.50
3/15/2012	153.50	4424.50	-1.00
11/9/2012	159.54	4418.46	-6.04
3/26/2013	161.35	4416.65	-1.81

All Historic Measurements



Well Name: KB-19

Owner:

Permit #: 12272 - -

Location #: SB00306032CAB

USGS Site ID: 401055104073401

Division: 1 *Water District:* 1 *County:* MORGAN

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW NE NW 32 3 N 60 W S *From N/S line:* *From E/W line:*

UTM Coordinates (NAD83): Northing (UTM y) 4448293.9 *Easting (UTM x):* 574328.0

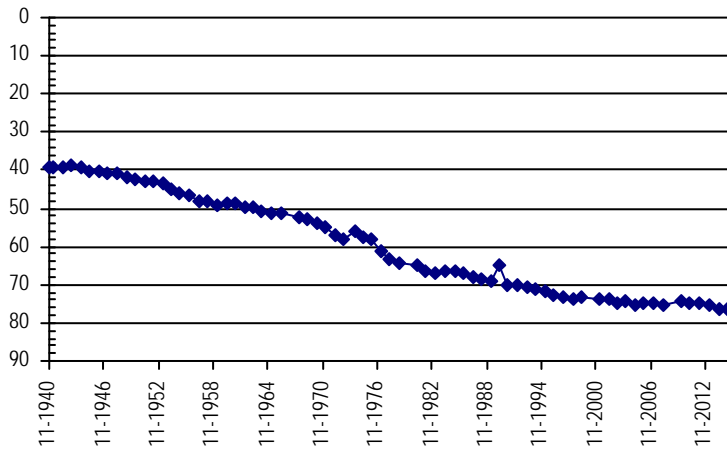
Latitude/Longitude (decimal degrees): 40.181736 -104.126925

Surface Elevation (ft): 4600.57 *Top Perforated Interval (ft):* *Base of grout (ft):* **Water Level Change**
Well depth (ft): 84 *Bottom Perforated Interval (ft):* **1 year:** -0.21
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -2.11
10 year: -1.41

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	75.19	4525.38	-1.12
2/6/2006	74.71	4525.86	0.48
3/20/2007	74.84	4525.73	-0.13
2/4/2008	75.09	4525.48	-0.25
1/1/2009			
2/16/2010	74.49	4526.08	
2/17/2011	74.73	4525.84	-0.24
3/9/2012	75.05	4525.52	-0.32
3/20/2013	75.14	4525.43	-0.09
4/4/2014	76.39	4524.18	-1.25
3/10/2015	76.60	4523.97	-0.21

All Historic Measurements



KIOWA-BIJOU

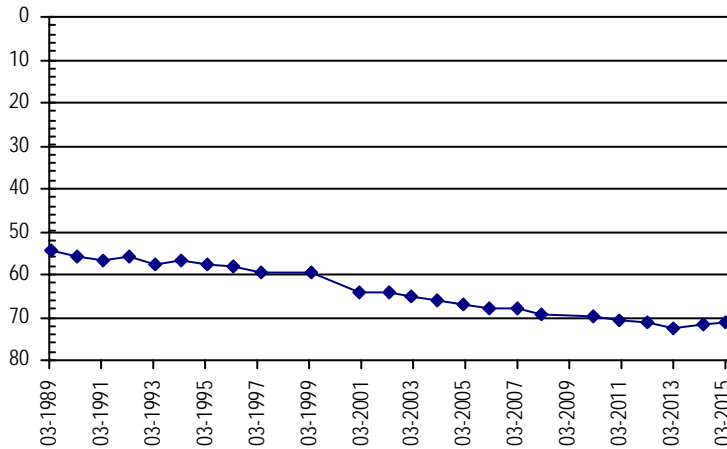
Well Name: **KB-40** **Owner:** ROARK
Permit #: 9433 - - **Location #:** SC00105907CCB **USGS Site ID:**
Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section **Twnshp** Range **PM** Distance from section lines:
SW SW NW 7 1 S 59 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4425830.8 **Easting (UTM x):** 582111.6
Latitude/Longitude (decimal degrees): 39.978654 -104.038359

Surface Elevation (ft): 4788 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 132 **Bottom Perforated Interval (ft):** **1 year:** 0.30
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -1.79
10 year: -4.34

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	66.99	4721.01	-1.16
2/6/2006	67.69	4720.31	-0.70
3/20/2007	67.79	4720.21	-0.10
2/4/2008	69.35	4718.65	-1.56
1/1/2009			
2/16/2010	69.54	4718.46	
2/17/2011	70.91	4717.09	-1.37
3/9/2012	71.05	4716.95	-0.14
3/26/2013	72.53	4715.47	-1.48
4/4/2014	71.63	4716.37	0.90
3/11/2015	71.33	4716.67	0.30

All Historic Measurements



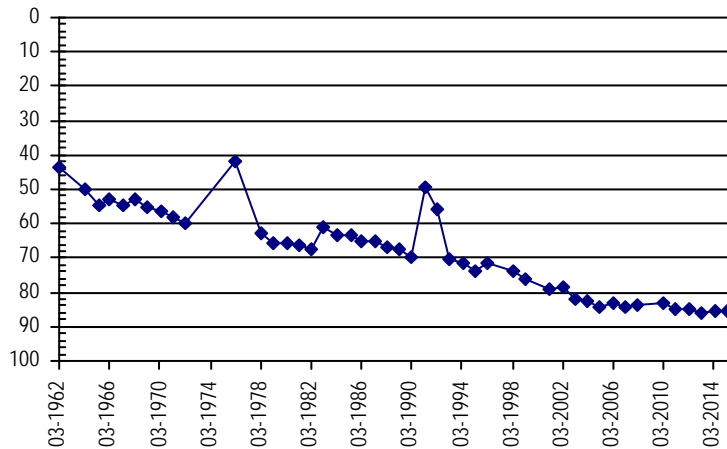
Well Name: **KB-21** **Owner:**
Permit #: - NP - **Location #:** SC00106003CCB **USGS Site ID:** 395918104054001
Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section **Twnshp** Range **PM** Distance from section lines:
SW SW NW 3 1 S 60 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4427009.8 **Easting (UTM x):** 577207.8
Latitude/Longitude (decimal degrees): 39.989738 -104.095643

Surface Elevation (ft): 4803.64 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 112 **Bottom Perforated Interval (ft):** **1 year:** 0.20
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -2.16
10 year: -1.36

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	84.04	4719.60	-1.49
2/6/2006	83.34	4720.30	0.70
3/20/2007	84.10	4719.54	-0.76
2/4/2008	83.59	4720.05	0.51
1/1/2009			
2/16/2010	83.24	4720.40	
2/17/2011	84.62	4719.02	-1.38
3/19/2012	85.08	4718.56	-0.46
3/26/2013	86.21	4717.43	-1.13
4/4/2014	85.60	4718.04	0.61
3/11/2015	85.40	4718.24	0.20

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-22**

Owner:

Permit #: - NP -

Location #: SC00106017CDD

USGS Site ID: 395727104071701

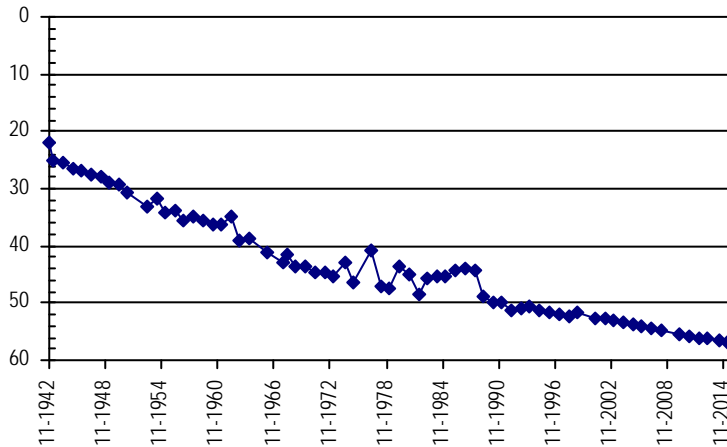
Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section **Twnshp** **Range** **PM** **Distance from section lines:**
 SW SE SE 17 1 S 60 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4423419.7 **Easting (UTM x):** 574793.7
Latitude/Longitude (decimal degrees): 39.957612 -104.124329

Surface Elevation (ft): 4833.65 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 87 **Bottom Perforated Interval (ft):** **1 year:** -0.01
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -1.24
 10 year: -2.93

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	53.76	4779.89	-0.48
2/6/2006	54.17	4779.48	-0.41
3/20/2007	54.56	4779.09	-0.39
2/4/2008	54.84	4778.81	-0.28
1/1/2009			
2/16/2010	55.45	4778.20	
2/17/2011	55.74	4777.91	-0.29
3/19/2012	56.04	4777.61	-0.30
3/26/2013	56.32	4777.33	-0.28
4/4/2014	56.68	4776.97	-0.36
3/11/2015	56.69	4776.96	-0.01

All Historic Measurements



Well Name: **KB-23**

Owner:

Permit #: - NP -

Location #: SC00106202CDC

USGS Site ID: 395908104174601

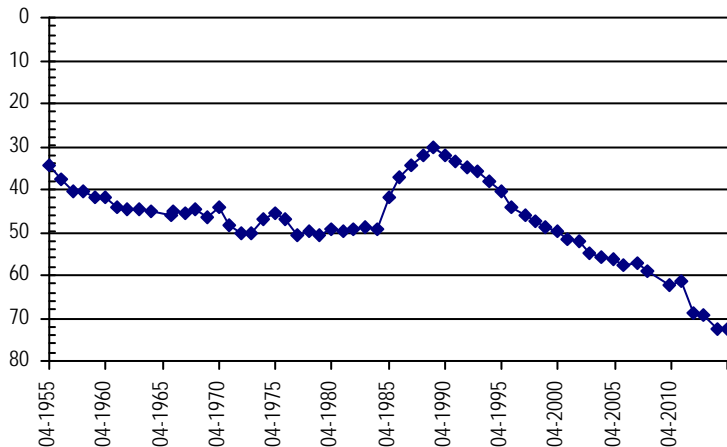
Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section **Twnshp** **Range** **PM** **Distance from section lines:**
 SW SE SW 2 1 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4426358.8 **Easting (UTM x):** 559868.0
Latitude/Longitude (decimal degrees): 39.985280 -104.298792

Surface Elevation (ft): 4933.75 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): **Bottom Perforated Interval (ft):** **1 year:** 0.12
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -10.30
 10 year: -16.14

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	56.40	4877.35	-0.73
2/6/2006	57.53	4876.22	-1.13
3/20/2007	57.44	4876.31	0.09
2/4/2008	58.86	4874.89	-1.42
1/1/2009			
2/10/2010	62.24	4871.51	
2/17/2011	61.23	4872.52	1.01
3/8/2012	68.84	4864.91	-7.61
3/20/2013	69.44	4864.31	-0.60
4/4/2014	72.66	4861.09	-3.22
3/10/2015	72.54	4861.21	0.12

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-24** **Owner:** RICK KALLSEN
Permit #: - NP - **Location #:** SC00106222DCA **USGS Site ID:** 395643104183301

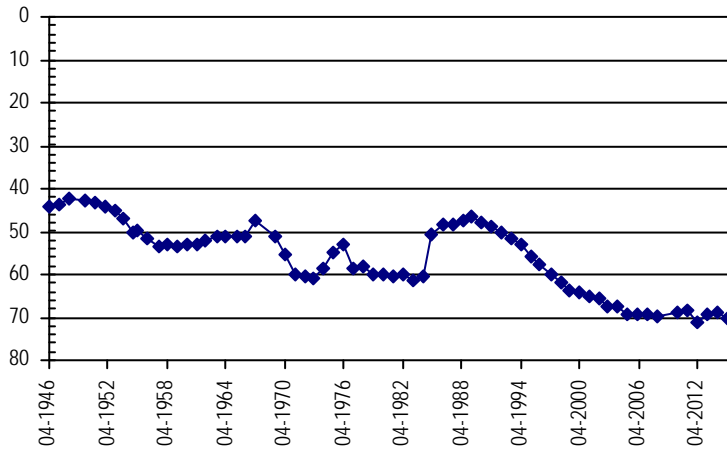
Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section **Twnshp** Range PM **Distance from section lines:**
 SE SW NE 22 1 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4421993.7 **Easting (UTM x):** 559345.9
Latitude/Longitude (decimal degrees): 39.945991 -104.305305

Surface Elevation (ft): 4996.76 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 85 **Bottom Perforated Interval (ft):** **1 year:** -1.60
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -1.45
10 year: -0.89

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	69.49	4927.27	-1.96
2/6/2006	69.31	4927.45	0.18
3/20/2007	69.09	4927.67	0.22
2/4/2008	69.81	4926.95	-0.72
1/1/2009			
2/10/2010	68.93	4927.83	
2/17/2011	68.23	4928.53	0.70
3/8/2012	71.22	4925.54	-2.99
3/20/2013	69.11	4927.65	2.11
4/4/2014	68.78	4927.98	0.33
3/10/2015	70.38	4926.38	-1.60

All Historic Measurements



Well Name: **KB-26** **Owner:**
Permit #: 19621 - - **Location #:** SC00206006CCC **USGS Site ID:** 395357104085401

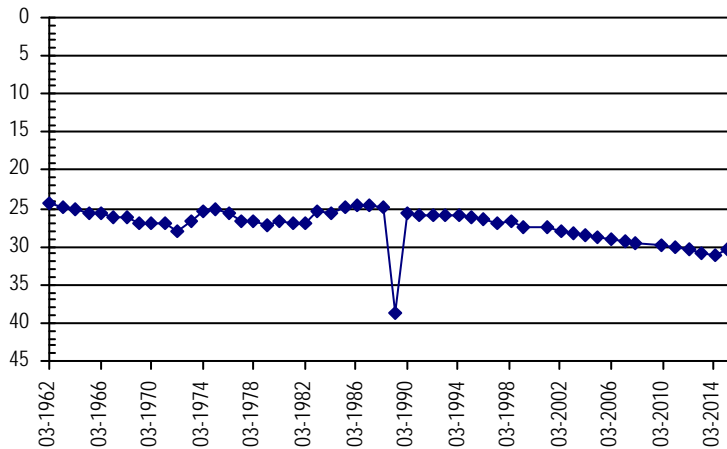
Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section **Twnshp** Range PM **Distance from section lines:**
 SW SW SW 6 2 S 60 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4416919.5 **Easting (UTM x):** 572799.6
Latitude/Longitude (decimal degrees): 39.899227 -104.148399

Surface Elevation (ft): 4910.66 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 89 **Bottom Perforated Interval (ft):** **1 year:** 0.72
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -0.60
10 year: -1.76

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	28.71	4881.95	-0.28
2/6/2006	29.05	4881.61	-0.34
3/20/2007	29.29	4881.37	-0.24
2/4/2008	29.48	4881.18	-0.19
1/1/2009			
2/16/2010	29.87	4880.79	
2/17/2011	30.10	4880.56	-0.23
3/19/2012	30.41	4880.25	-0.31
3/26/2013	30.83	4879.83	-0.42
4/8/2014	31.19	4879.47	-0.36
3/11/2015	30.47	4880.19	0.72

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-25A**

Owner: RICK WAGNER

Permit #: 985 - R - R

Location #: SC00206019DCC

USGS Site ID:

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

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SE SW SW 19 2 S 60 W S *From N/S line:* *From E/W line:*

UTM Coordinates (NAD83): *Northing (UTM y)* 4412319.4 *Easting (UTM x):* 572658.5

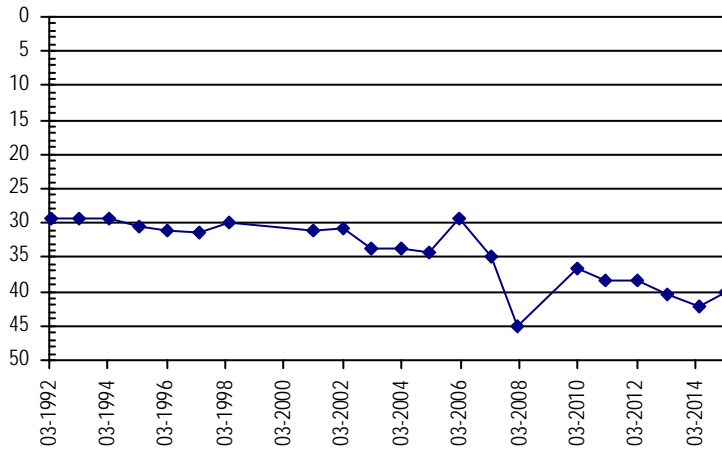
Latitude/Longitude (decimal degrees): 39.857796 -104.150561

Surface Elevation (ft): 4953 *Top Perforated Interval (ft):* *Base of grout (ft):* **Water Level Change**
Well depth (ft): 100 *Bottom Perforated Interval (ft):* **1 year:** 1.94
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -3.58
10 year: -6.00

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	34.20	4918.80	-0.49
2/6/2006	29.49	4923.51	4.71
3/20/2007	34.89	4918.11	-5.40
2/4/2008	44.99	4908.01	-10.10
1/1/2009			
2/16/2010	36.62	4916.38	
2/17/2011	38.26	4914.74	-1.64
3/19/2012	38.35	4914.65	-0.09
3/26/2013	40.43	4912.57	-2.08
4/8/2014	42.14	4910.86	-1.71
3/11/2015	40.20	4912.80	1.94

All Historic Measurements



Well Name: **KB-27**

Owner: RICK WAGNER

Permit #: 11549 - F -

Location #: SC00206123CCD

USGS Site ID: 395119104105901

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

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SW SW SE 23 2 S 61 W S *From N/S line:* *From E/W line:*

UTM Coordinates (NAD83): *Northing (UTM y)* 4412033.4 *Easting (UTM x):* 569795.5

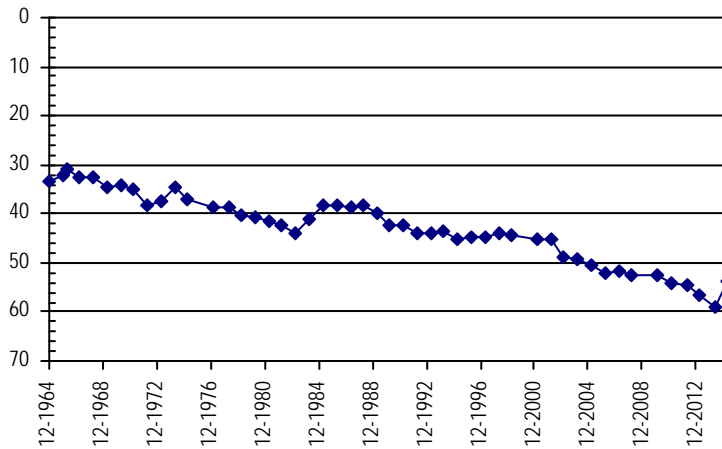
Latitude/Longitude (decimal degrees): 39.855460 -104.184059

Surface Elevation (ft): 4978.68 *Top Perforated Interval (ft):* *Base of grout (ft):* **Water Level Change**
Well depth (ft): 98 *Bottom Perforated Interval (ft):* **1 year:** 5.38
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -1.01
10 year: -3.10

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	50.56	4928.12	-1.28
2/6/2006	52.19	4926.49	-1.63
3/20/2007	51.64	4927.04	0.55
2/4/2008	52.61	4926.07	-0.97
1/1/2009			
2/16/2010	52.65	4926.03	
2/17/2011	54.20	4924.48	-1.55
3/19/2012	54.55	4924.13	-0.35
3/26/2013	56.50	4922.18	-1.95
4/8/2014	59.04	4919.64	-2.54
3/11/2015	53.66	4925.02	5.38

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-29** *Owner:*
Permit #: 19793 - - **Location #:** SC00206336DAD **USGS Site ID:** 394944104223501

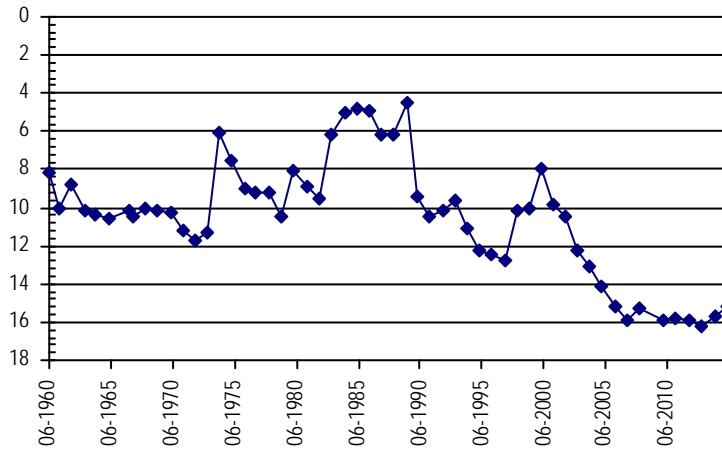
Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE NE SE 36 2 S 63 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4408968.6 **Easting (UTM x):** 553345.6
Latitude/Longitude (decimal degrees): 39.829041 -104.376603

Surface Elevation (ft): 5267.86 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 31 **Bottom Perforated Interval (ft):** **1 year:** 0.56
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 0.76
10 year: -1.00

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	14.17	5253.69	-1.04
2/6/2006	15.13	5252.73	-0.96
3/20/2007	15.92	5251.94	-0.79
2/4/2008	15.26	5252.60	0.66
1/1/2009			
2/16/2010	15.93	5251.93	
2/17/2011	15.85	5252.01	0.08
3/8/2012	15.87	5251.99	-0.02
3/20/2013	16.21	5251.65	-0.34
4/3/2014	15.73	5252.13	0.48
3/10/2015	15.17	5252.69	0.56

All Historic Measurements



Well Name: **KB-30** *Owner:*
Permit #: 4425 - - **Location #:** SC00306102CCB **USGS Site ID:** 394850104111801

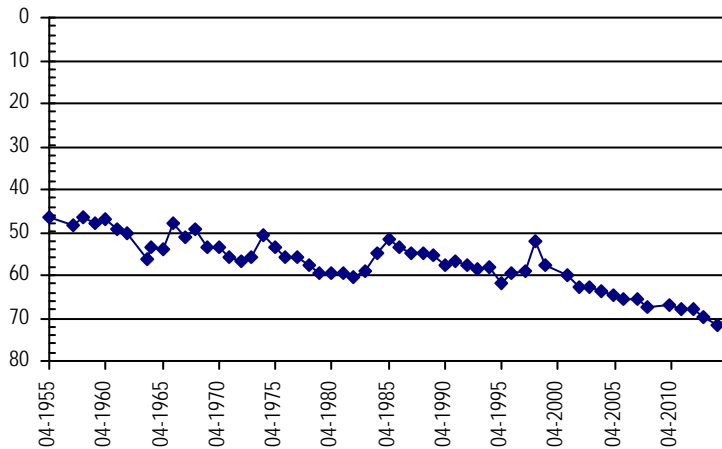
Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SW NW 2 3 S 61 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4407361.3 **Easting (UTM x):** 569444.4
Latitude/Longitude (decimal degrees): 39.813397 -104.188659

Surface Elevation (ft): 5035.68 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): **Bottom Perforated Interval (ft):** **1 year:** 0.47
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -4.03
10 year: -6.56

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	64.62	4971.06	-1.09
2/6/2006	65.66	4970.02	-1.04
3/20/2007	65.68	4970.00	-0.02
2/4/2008	67.53	4968.15	-1.85
1/1/2009			
2/16/2010	67.15	4968.53	
2/17/2011	68.00	4967.68	-0.85
3/19/2012	68.10	4967.58	-0.10
3/26/2013	69.86	4965.82	-1.76
4/8/2014	71.65	4964.03	-1.79
3/11/2015	71.18	4964.50	0.47

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-31**

Owner:

Permit #: 21037 - - **Location #:** SC00306122DDA **USGS Site ID:** 394618104112301

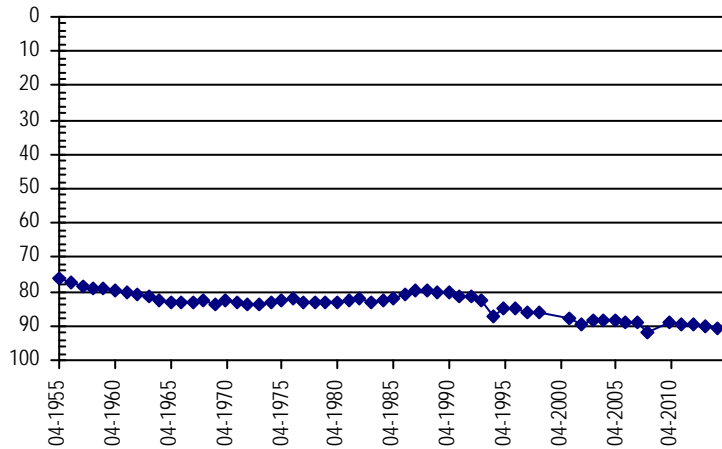
Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SE NE 22 3 S 61 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4402682.1 **Easting (UTM x):** 569356.3
Latitude/Longitude (decimal degrees): 39.771249 -104.190182

Surface Elevation (ft): 5102.69 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 119 **Bottom Perforated Interval (ft):** **1 year:** -0.10
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -1.57
10 year: -1.98

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	88.57	5014.12	-0.25
2/6/2006	89.01	5013.68	-0.44
3/20/2007	89.11	5013.58	-0.10
2/4/2008	91.61	5011.08	-2.50
1/1/2009			
2/16/2010	88.98	5013.71	
2/17/2011	89.47	5013.22	-0.49
3/19/2012	89.75	5012.94	-0.28
3/26/2013	90.05	5012.64	-0.30
4/8/2014	90.45	5012.24	-0.40
3/11/2015	90.55	5012.14	-0.10

All Historic Measurements



Well Name: **KB-32B**

Owner: COMANCHE LIVESTOCK

Permit #: - NP - **Location #:** SC00306128CBD **USGS Site ID:**

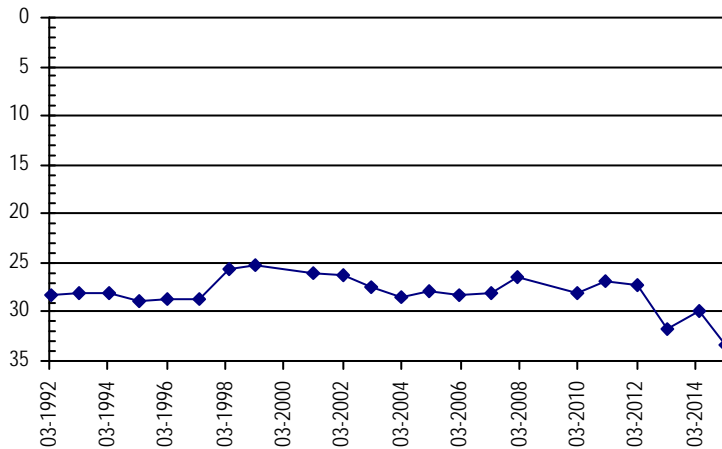
Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW NW SE 28 3 S 61 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4400971.1 **Easting (UTM x):** 566517.4
Latitude/Longitude (decimal degrees): 39.756060 -104.223501

Surface Elevation (ft): 5130 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): **Bottom Perforated Interval (ft):** **1 year:** -3.30
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -5.18
10 year: -5.33

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	27.97	5102.03	0.55
2/6/2006	28.21	5101.79	-0.24
3/20/2007	28.12	5101.88	0.09
2/4/2008	26.55	5103.45	1.57
1/1/2009			
2/16/2010	28.12	5101.88	
2/17/2011	26.89	5103.11	1.23
3/19/2012	27.33	5102.67	-0.44
3/26/2013	31.77	5098.23	-4.44
4/8/2014	30.00	5100.00	1.77
3/11/2015	33.30	5096.70	-3.30

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-33**

Owner:

Permit #: - NP - Location #: SC00306208BAA USGS Site ID: 394833104205801

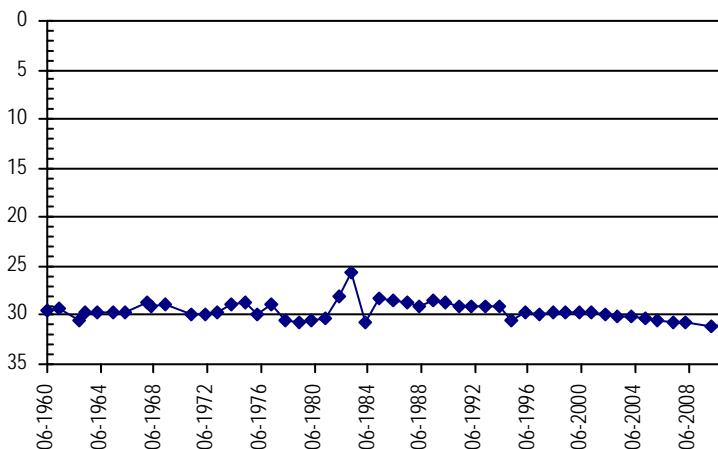
Division: 1 Water District: 1 County: ADAMS
 Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NE NE 8 3 S 62 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4406849.5 Easting (UTM x): 555613.6
 Latitude/Longitude (decimal degrees): 39.809803 -104.350281

Surface Elevation (ft): 5254.84 Top Perforated Interval (ft): Base of grout (ft): **Water Level Change**
 Well depth (ft): 52 Bottom Perforated Interval (ft): **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)
2/14/2005	30.39	5224.45	-0.27
2/6/2006	30.48	5224.36	-0.09
3/20/2007	30.65	5224.19	-0.17
2/4/2008	30.69	5224.15	-0.04
1/1/2009			
2/16/2010	31.06	5223.78	
2/17/2011	30.89	5223.95	0.17

All Historic Measurements



Well Name: **KB-34**

Owner:

Permit #: 20992 - - Location #: SC00306210CDD USGS Site ID: 394749104184101

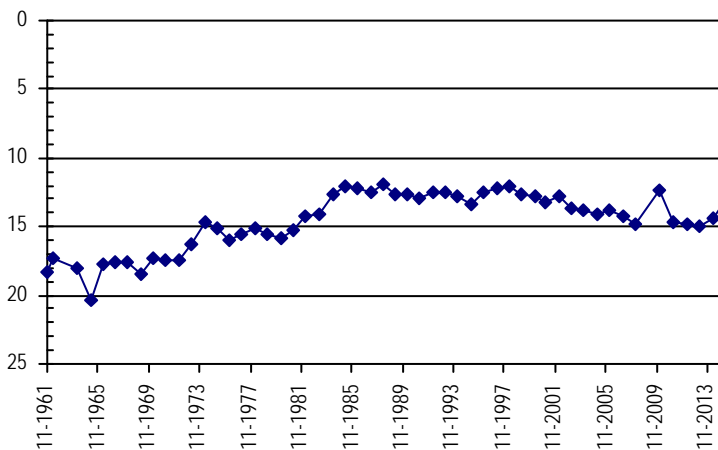
Division: 1 Water District: 1 County: ADAMS
 Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SE SE 10 3 S 62 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4405400.4 Easting (UTM x): 558928.5
 Latitude/Longitude (decimal degrees): 39.796525 -104.311686

Surface Elevation (ft): 5245.81 Top Perforated Interval (ft): Base of grout (ft): **Water Level Change**
 Well depth (ft): 36 Bottom Perforated Interval (ft): **1 year:** 1.25
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -0.72
10 year: 0.99

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	14.13	5231.68	-0.29
2/6/2006	13.82	5231.99	0.31
3/20/2007	14.22	5231.59	-0.40
2/4/2008	14.78	5231.03	-0.56
1/1/2009			
2/16/2010	12.42	5233.39	
2/17/2011	14.73	5231.08	-2.31
3/8/2012	14.78	5231.03	-0.05
3/20/2013	14.98	5230.83	-0.20
4/3/2014	14.39	5231.42	0.59
3/10/2015	13.14	5232.67	1.25

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-35** *Owner:*
Permit #: - NP - *Location #:* SC00306220CCB *USGS Site ID:* 394613104212601

Division: 1 *Water District:* 1 *County:* ADAMS
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SW SW NW 20 3 S 62 W S *From N/S line:* *From E/W line:*

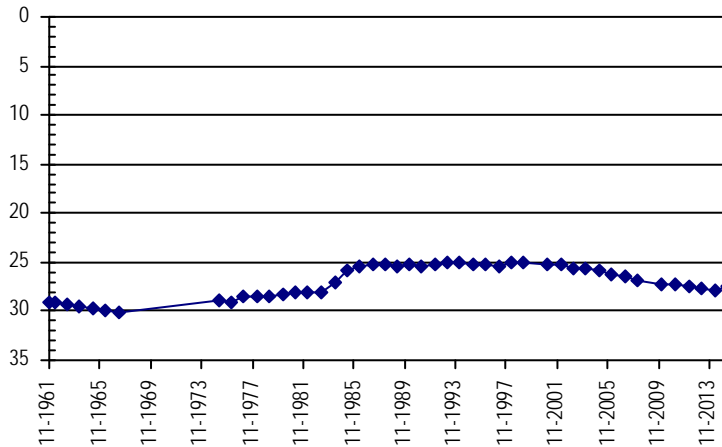
UTM Coordinates (NAD83): *Northing (UTM y)* 4402427.4 *Easting (UTM x):* 554967.5
Latitude/Longitude (decimal degrees): 39.770005 -104.358199

Surface Elevation (ft): 5331.87 *Top Perforated Interval (ft):* *Base of grout (ft):* **Water Level Change**
Well depth (ft): 42 *Bottom Perforated Interval (ft):* **1 year:** 0.46
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -0.13
10 year: -1.45

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	25.93	5305.94	-0.20
2/6/2006	26.18	5305.69	-0.25
3/20/2007	26.47	5305.40	-0.29
2/4/2008	26.76	5305.11	-0.29
1/1/2009			
2/16/2010	27.25	5304.62	
2/17/2011	27.36	5304.51	-0.11
3/8/2012	27.42	5304.45	-0.06
3/20/2013	27.69	5304.18	-0.27
4/3/2014	27.84	5304.03	-0.15
3/10/2015	27.38	5304.49	0.46

All Historic Measurements



Well Name: **KB-36** *Owner:*
Permit #: - NP - *Location #:* SC00306227ACC *USGS Site ID:* 394537104183001

Division: 1 *Water District:* 1 *County:* ADAMS
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
NE SW SW 27 3 S 62 W S *From N/S line:* *From E/W line:*

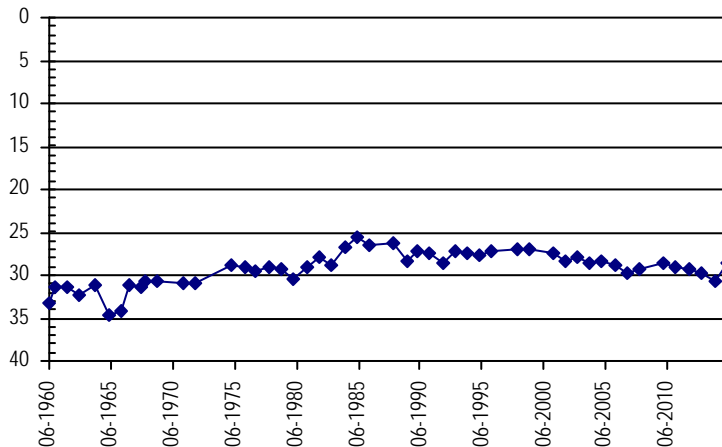
UTM Coordinates (NAD83): *Northing (UTM y)* 4401378.3 *Easting (UTM x):* 559224.4
Latitude/Longitude (decimal degrees): 39.760267 -104.308593

Surface Elevation (ft): 5324.82 *Top Perforated Interval (ft):* *Base of grout (ft):* **Water Level Change**
Well depth (ft): 46 *Bottom Perforated Interval (ft):* **1 year:** 2.03
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 0.01
10 year: -0.37

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	28.29	5296.53	0.37
2/6/2006	28.89	5295.93	-0.60
3/20/2007	29.70	5295.12	-0.81
2/4/2008	29.21	5295.61	0.49
1/1/2009			
2/16/2010	28.67	5296.15	
2/17/2011	29.03	5295.79	-0.36
3/8/2012	29.37	5295.45	-0.34
3/20/2013	29.78	5295.04	-0.41
4/3/2014	30.69	5294.13	-0.91
3/10/2015	28.66	5296.16	2.03

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-37** **Owner:**
Permit #: 13137 - - **Location #:** SC00306232DDC **USGS Site ID:** 394418104203301

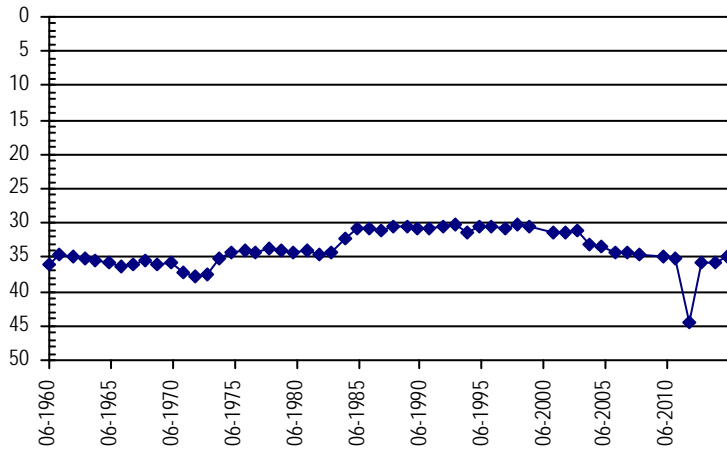
Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SE SW 32 3 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y)** 4398936.3 **Easting (UTM x):** 556289.4
Latitude/Longitude (decimal degrees): 39.738465 -104.343064

Surface Elevation (ft): 5382.87 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 51 **Bottom Perforated Interval (ft):** **1 year:** 0.91
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -0.10
10 year: -1.55

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	33.42	5349.45	-0.27
2/6/2006	34.21	5348.66	-0.79
3/20/2007	34.17	5348.70	0.04
2/4/2008	34.68	5348.19	-0.51
1/1/2009			
2/16/2010	34.87	5348.00	
2/17/2011	35.18	5347.69	-0.31
3/8/2012	44.55	5338.32	-9.37
3/20/2013	35.84	5347.03	8.71
4/3/2014	35.88	5346.99	-0.04
3/10/2015	34.97	5347.90	0.91

All Historic Measurements



Well Name: **KB-42** **Owner:** LARRY TOFT
Permit #: 10454 - RFP - **Location #:** SC00306313BDA **USGS Site ID:**

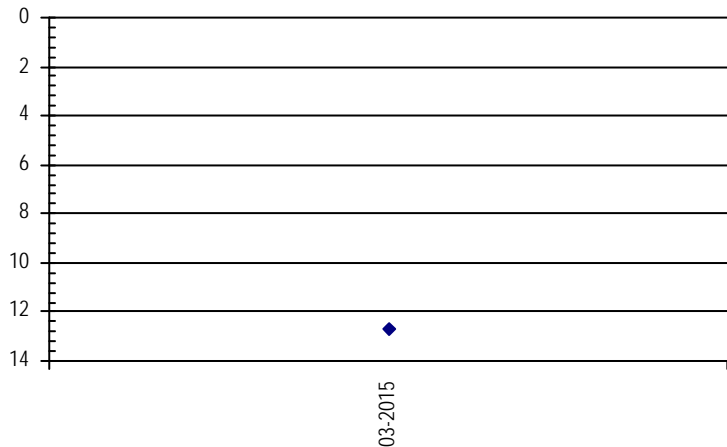
Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW SE NE 13 3 S 63 W S **From N/S line:** 1384 N **From E/W line:** 2203 W
UTM Coordinates (NAD83): **Northing (UTM y)** 4404896.0 **Easting (UTM x):** 552436.0
Latitude/Longitude (decimal degrees): 39.792405 -104.387558

Surface Elevation (ft): 5343 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 22 **Bottom Perforated Interval (ft):** **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)
3/10/2015	12.70	5330.30	

All Historic Measurements



KIOWA-BIJOU

Well Name: KB-39 *Owner:*
Permit #: - - **Location #:** SC00306326CCA **USGS Site ID:** 394522104471001

Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
SW SW NE 26 3 S 63 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4400922.5 **Easting (UTM x):** 550319.5
Latitude/Longitude (decimal degrees): 39.756733 -104.412582

Surface Elevation (ft): 5430.95 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 33 **Bottom Perforated Interval (ft):** **1 year:**
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 1.34
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2005	13.11	5417.84	-0.15
2/6/2006	13.13	5417.82	-0.02
3/20/2007	13.63	5417.32	-0.50
2/4/2008	13.29	5417.66	0.34
1/1/2009			
2/16/2010	11.77	5419.18	

All Historic Measurements

