

GROUNDWATER LEVELS
in the
NORTH KIOWA-BIJOU
DESIGNATED GROUND WATER BASIN
2017



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 2017

This report contains the basic groundwater-level data collected from wells in the North Kiowa-Bijou Ground Water Management District during late February of 2017. 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 groundwater-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 35 wells were measured in 2017. These wells are 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 2017, depth to groundwater below ground surface ranged from approximately 8 feet in the southern portion of the basin near Strasburg to 162 feet in the downstream reach near Wiggins. Water levels in excess of 100 feet deep were reported in wells KB-12, KB-13, KB-14, KB-15, and KB-41, which 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. The wells in this report are listed by name in numerical order. 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 of groundwater levels in the aquifer are complicated by unknown pumping schedules. Overall, average groundwater levels in wells measured by the Division of Water Resources increased by 1.17 feet compared to 2016. Because of the distribution of the alluvium in this basin, analysis of groundwater levels by drainage is more revealing. Groundwater levels in the Kiowa Creek drainage are up 2 feet from 2016, 5 feet from 2012 and just over 1 foot from 2007. Groundwater-level trends in the Bijou Creek drainage were more stable; up 0.72 feet from 2016, up 1 foot from 2012 and down 0.14 feet since 2007. Individual wells, however, vary significantly. The long-term trend over most of the basin shows a diminishing 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/Levels/Pages/HydroGeo.aspx>.

Additionally, all groundwater level data may be accessed and exported using the tools available on the Colorado Decision Support System:

<http://cdss.state.co.us/onlineTools/Pages/GroundWaterWaterLevels.aspx>

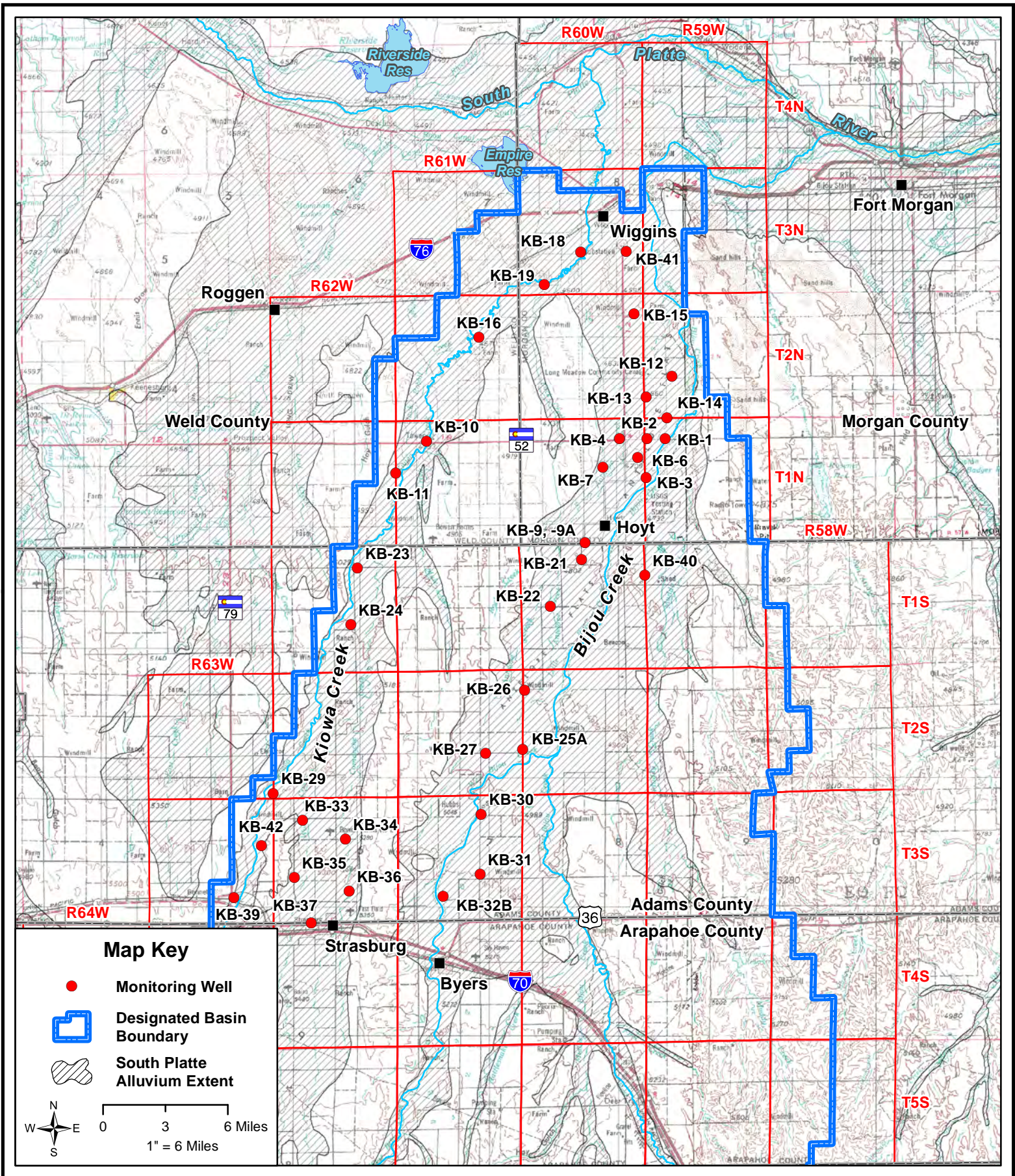
and the Colorado Information Marketplace HydroBase Bulk Data Exporter:

<https://data.colorado.gov/Information-Sharing/DWR-Well-Water-Level/hfwh-wsgi>

or the Colorado Decision Support System MapViewer

<http://water.state.co.us/DataMaps/GISandMaps/MapViewer/Pages/FAQ.aspx>

If you have any questions regarding groundwater in the North Kiowa-Bijou Designated Ground Water Basin and the information in this report, please contact the Groundwater Information Desk at (303) 866-3587.



COLORADO
 Division of Water Resources
 Department of Natural Resources

Kiowa Bijou Designated Basin Monitoring Well Locations

KIOWA-BIJOU

Well Name: KB-01

Owner:

Permit #: - NP - **Location #:** SB00105905CCC **USGS Site ID:** 400425104010402

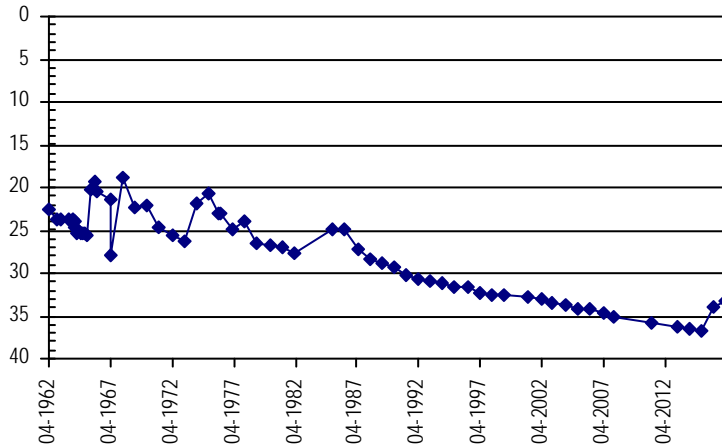
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section **Twnshp** Range **PM** **Distance from section lines:**
 SW SW SW 5 1 N 59 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4436390.5 **Easting (UTM x):** 583703.7 *GPS*
Latitude/Longitude (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:** 0.77
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** **10 year:** 1.51

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	33.92	4644.66	2.79
2/23/2017	33.15	4645.43	0.77

All Historic Measurements



Well Name: KB-02

Owner:

Permit #: 8425 - **Location #:** SB00105906CCC **USGS Site ID:** 400426104020401

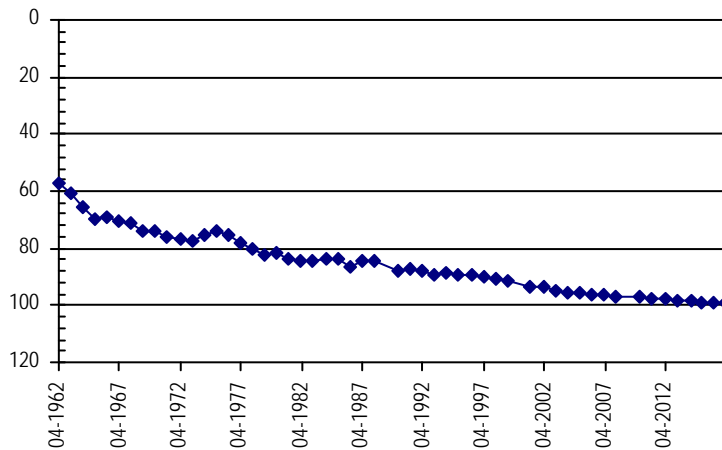
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section **Twnshp** Range **PM** **Distance from section lines:**
 SW SW SE 6 1 N 59 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4436382.1 **Easting (UTM x):** 582279.7 *GPS*
Latitude/Longitude (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:** 0.09
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -0.85
10 year: -2.16

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	98.86	4593.73	0.12
2/23/2017	98.77	4593.82	0.09

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-03**

Owner:

Permit #: 8963 - FP - Location #: SB00105918CCC USGS Site ID: 400246104021101

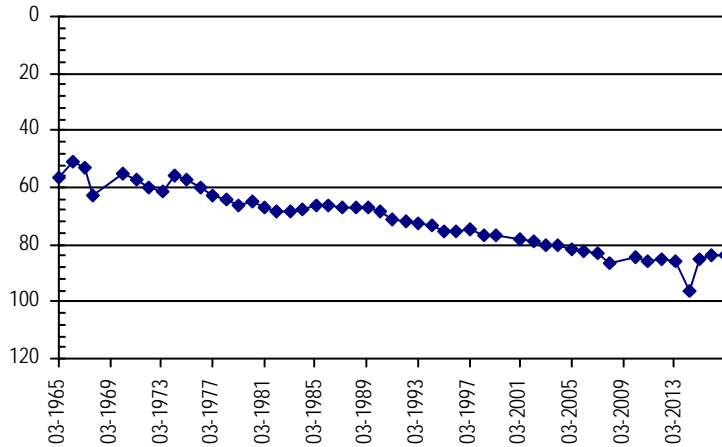
Division: 1 Water District: 1 County: MORGAN
 Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SW SW 18 1 N 59 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y): 4433371.9 Easting (UTM x): 582225.7 GPS
 Latitude/Longitude (decimal degrees): 40.046577 -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:** 0.44
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 1.73
10 year: -0.70

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	83.90	4627.70	0.97
2/23/2017	83.46	4628.14	0.44

All Historic Measurements



Well Name: **KB-04**

Owner:

Permit #: 6361 - RFP - Location #: SB00106002DDD USGS Site ID: 400426104033301

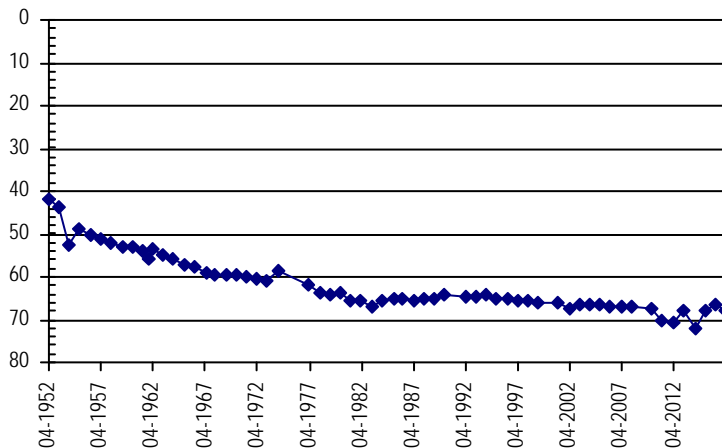
Division: 1 Water District: 1 County: MORGAN
 Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SE SE 2 1 N 60 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y): 4436365.8 Easting (UTM x): 580137.8 GPS
 Latitude/Longitude (decimal degrees): 40.073749 -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:** -1.45
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 2.76
10 year: -0.90

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	66.34	4633.26	1.53
2/23/2017	67.79	4631.81	-1.45

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-06** **Owner:** HOGAN
Permit #: 3700 - FP - **Location #:** SB00106012DCD **USGS Site ID:** 400338104023501

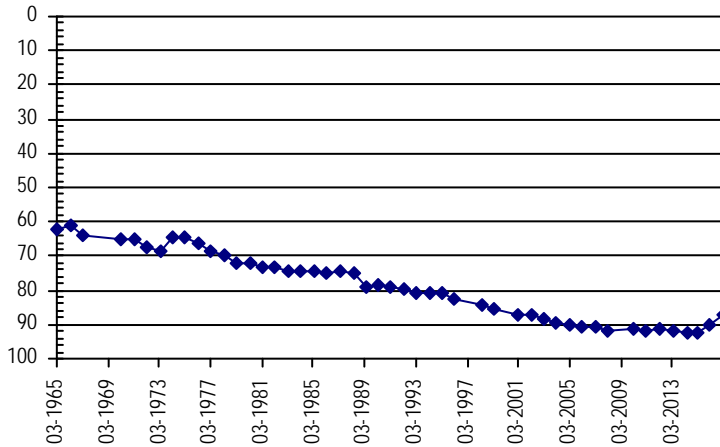
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section **Twnshp** Range **PM** Distance from section lines:
 SE SW SE 12 1 N 60 W S **From N/S line:** From E/W line:
UTM Coordinates (NAD83): **Northing (UTM y):** 4434943.9 **Easting (UTM x):** 581561.8 *GPS*
Latitude/Longitude (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:** 3.16
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 4.51
10 year: 3.60

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	90.14	4619.45	2.47
2/23/2017	86.98	4622.61	3.16

All Historic Measurements



Well Name: **KB-07** **Owner:**
Permit #: - NP - **Location #:** SB00106015ADA **USGS Site ID:** 400315104043101

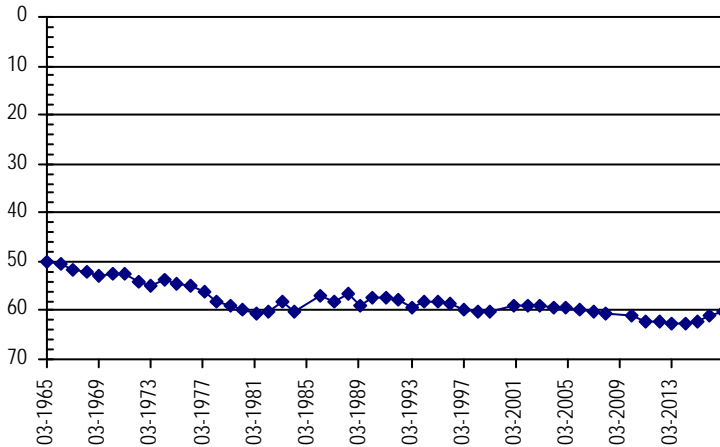
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section **Twnshp** Range **PM** Distance from section lines:
 NE SE NE 15 1 N 60 W S **From N/S line:** From E/W line:
UTM Coordinates (NAD83): **Northing (UTM y):** 4434190.9 **Easting (UTM x):** 578862.8 *GPS*
Latitude/Longitude (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:** 0.88
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 2.24
10 year: 0.06

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	60.94	4664.68	1.19
2/23/2017	60.06	4665.56	0.88

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-09, KB-09A** **Owner:** KOBABEL
Permit #: - NP - **Location #:** SB00106034CCC **USGS Site ID:** 400004104053601

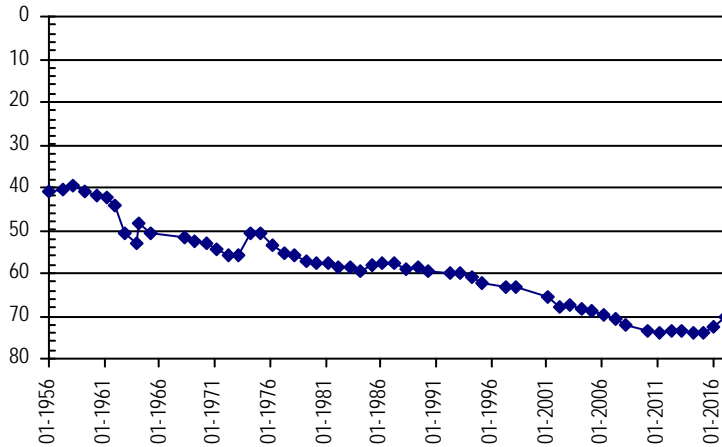
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SW SW SW 34 1 N 60 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4428360.9 **Easting (UTM x):** 577481.8 *GPS*
Latitude/Longitude (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:** 2.07
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 3.00
10 year: 0.24

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	72.52	4718.12	1.47
2/23/2017	70.45	4720.19	2.07

All Historic Measurements



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

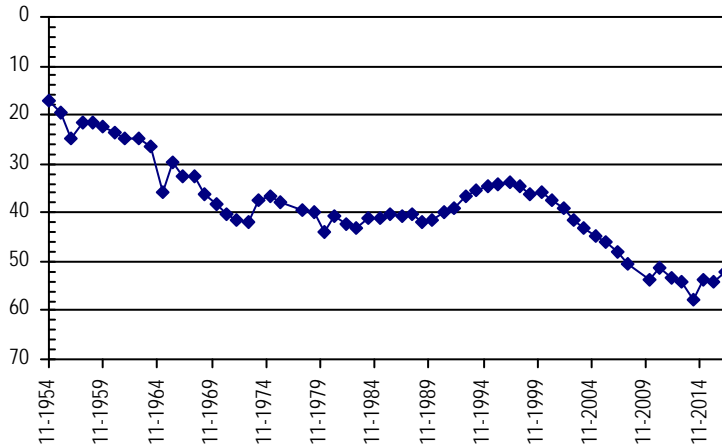
Division: 1 **Water District:** 1 **County:** WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SE SW SW 5 1 N 61 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4436181.9 **Easting (UTM x):** 565211.1 *GPS*
Latitude/Longitude (decimal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

Surface Elevation (ft): 4777.69 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 59 **Bottom Perforated Interval (ft):** **1 year:** 1.82
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 0.88
10 year: -4.32

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	54.11	4723.58	-0.26
2/23/2017	52.29	4725.40	1.82

All Historic Measurements



KIOWA-BIJOU

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

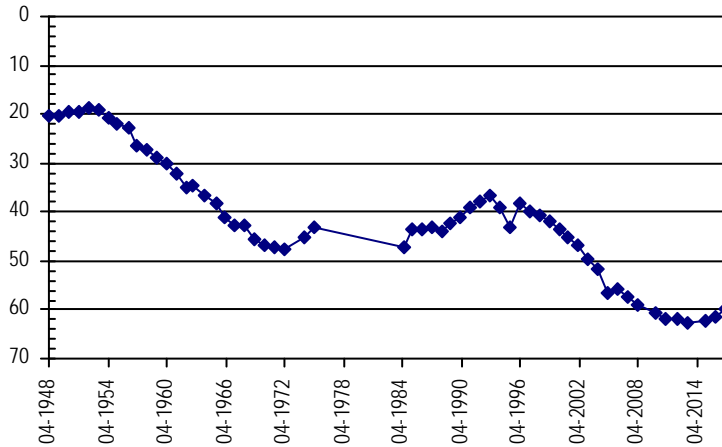
Division: 1 **Water District:** 1 **County:** WELD
Location: Q160 Q40 Q10 Section **Twnshp** Range **PM** Distance from section lines:
 NE SE SE 13 1 N 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4433747.9 **Easting (UTM x):** 562834.1 *GPS*
Latitude/Longitude (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:** 1.52
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 2.25
10 year: -2.41

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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	
2/17/2016	61.28	4762.43	0.88
2/23/2017	59.76	4763.95	1.52

All Historic Measurements



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

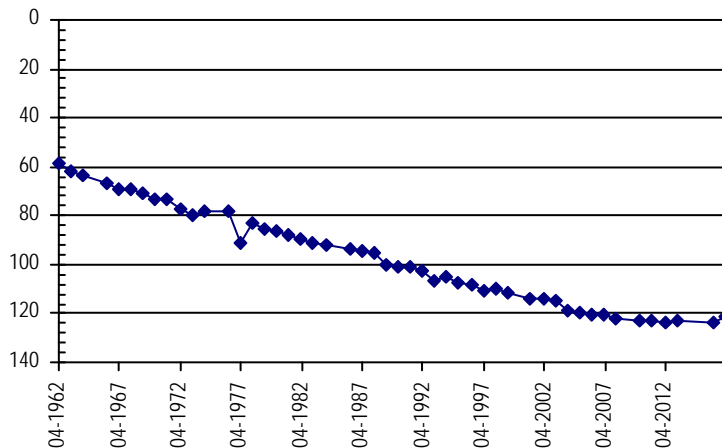
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section **Twnshp** Range **PM** Distance from section lines:
 SW SE SW 20 2 N 59 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4441223.5 **Easting (UTM x):** 584221.6 *GPS*
Latitude/Longitude (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:** 2.43
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 2.75
10 year: -0.63

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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			
2/17/2016	123.69	4520.87	
2/23/2017	121.26	4523.30	2.43

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-13**

Owner:

Permit #: 6987 - - **Location #:** SB00205930CCC **USGS Site ID:** 400609104020701

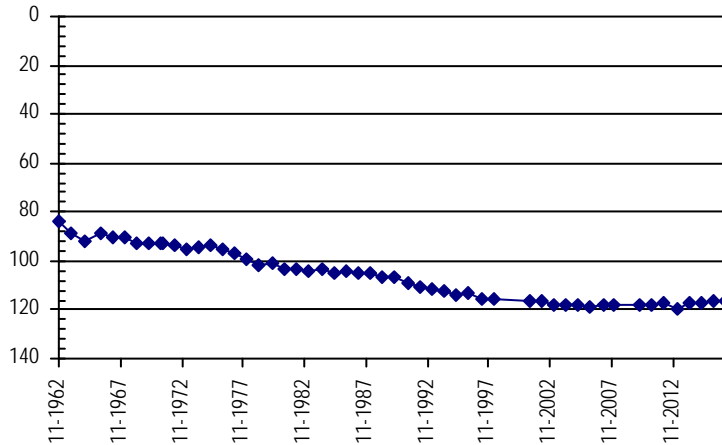
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SW SW 30 2 N 59 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4439600.8 **Easting (UTM x):** 582194.4 *GPS*
Latitude/Longitude (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:** 0.05
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 0.59
10 year: 1.34

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	116.57	4544.00	0.44
2/23/2017	116.52	4544.05	0.05

All Historic Measurements



Well Name: **KB-14**

Owner: GLEN FRIHAUF

Permit #: 2857 - - **Location #:** SB00205932CCC **USGS Site ID:** 400518104005801

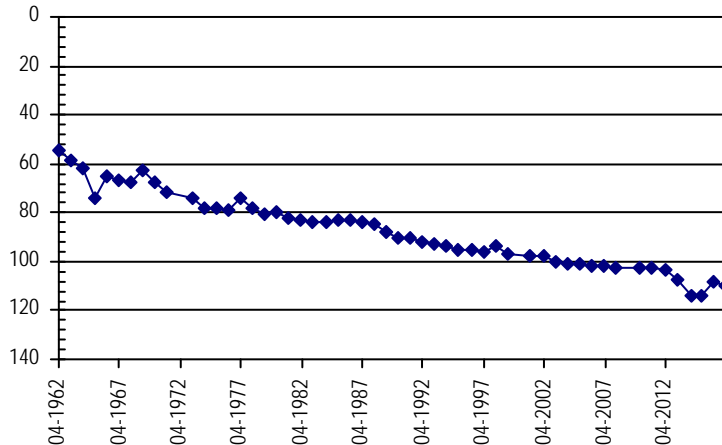
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SW SW 32 2 N 59 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4438032.9 **Easting (UTM x):** 583834.9 *GPS*
Latitude/Longitude (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:** -1.69
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -5.86
10 year: -7.82

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	107.89	4566.68	6.46
2/23/2017	109.58	4564.99	-1.69

All Historic Measurements



KIOWA-BIJOU

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

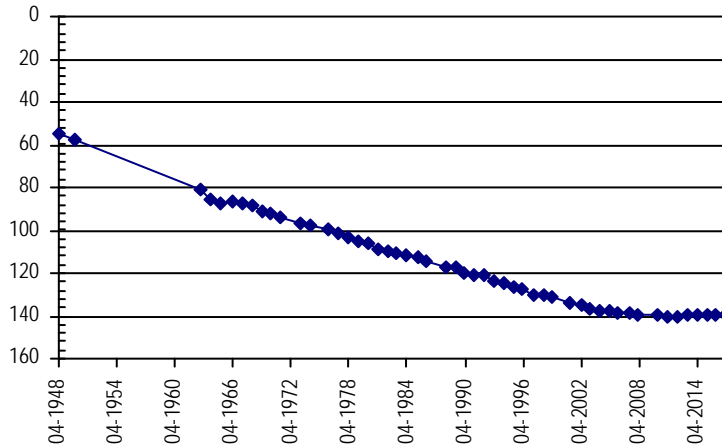
Division: 1 *Water District:* 1 *County:* MORGAN
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SW SW 1 2 N 60 W S *From N/S line:* *From E/W line:*
UTM Coordinates (NAD83): *Northing (UTM y):* 4446024.9 *Easting (UTM x):* 581277.8 *GPS*
Latitude/Longitude (decimal degrees): 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:** 0.51
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 0.68
10 year: -0.54

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	139.88	4473.67	0.07
2/23/2017	139.37	4474.18	0.51

All Historic Measurements



Well Name: **KB-16** *Owner:*
Permit #: 8309 - - *Location #:* SB00206111CCC *USGS Site ID:* 400845104111101

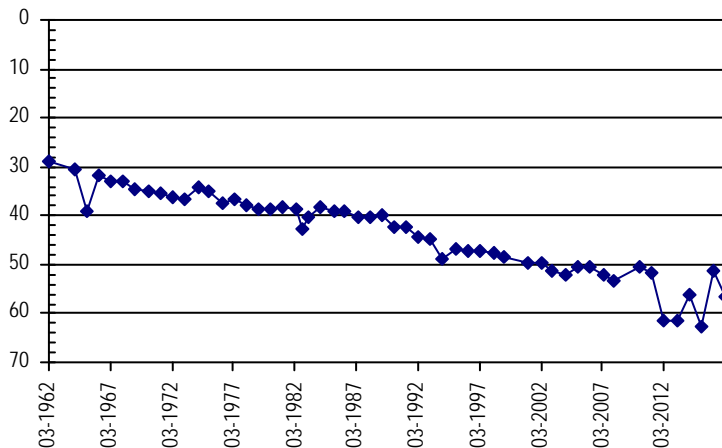
Division: 1 *Water District:* 1 *County:* WELD
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SW SW 11 2 N 61 W S *From N/S line:* *From E/W line:*
UTM Coordinates (NAD83): *Northing (UTM y):* 4444220.9 *Easting (UTM x):* 569265.1 *GPS*
Latitude/Longitude (decimal degrees): 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:** -5.47
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 4.59
10 year: -4.49

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	51.24	4621.39	11.34
2/23/2017	56.71	4615.92	-5.47

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-18** **Owner:** CSU WP#5
Permit #: 4422 - RFP - **Location #:** SB00306022CCC **USGS Site ID:** 401214104053401

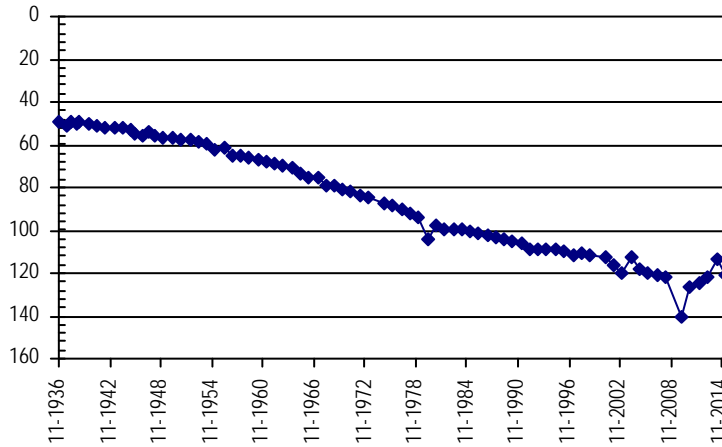
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SW SW SW 22 3 N 60 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4450787.9 **Easting (UTM x):** 577156.9 *GPS*
Latitude/Longitude (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:**
Aquifer(s): QUATERNARY ALLUVIUM **5 year:**
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/20/2007	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
2/17/2016			
2/23/2017			

All Historic Measurements



Well Name: **KB-19** **Owner:**
Permit #: 12272 - - **Location #:** SB00306032CAB **USGS Site ID:** 401055104073401

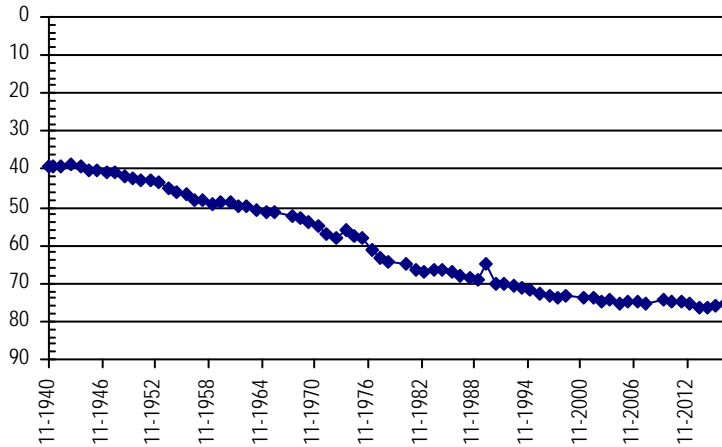
Division: 1 **Water District:** 1 **County:** MORGAN
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
SW NE NW 32 3 N 60 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4448293.9 **Easting (UTM x):** 574328.0 *GPS*
Latitude/Longitude (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:** 0.36
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -0.44
10 year: -0.65

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	75.85	4524.72	0.75
2/23/2017	75.49	4525.08	0.36

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-21**

Owner:

Permit #: - NP -

Location #: SC00106003CCB

USGS Site ID: 395918104054001

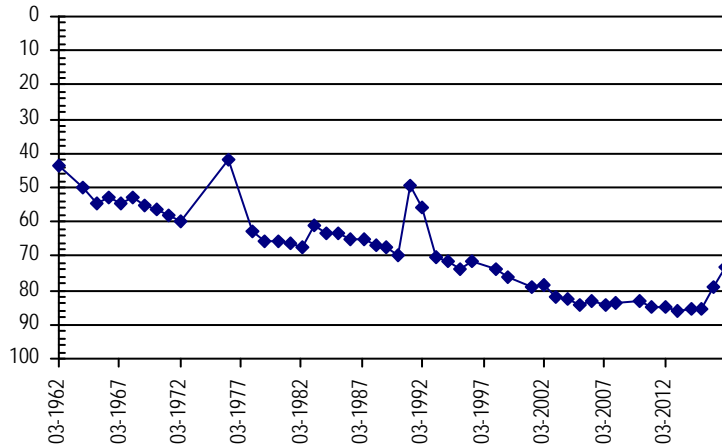
Division: 1 Water District: 1 County: ADAMS
 Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SW NW 3 1 S 60 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y): 4427007.0 Easting (UTM x): 577206.0 GPS
 Latitude/Longitude (decimal degrees): 39.989713 -104.095664

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:** 5.63
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 11.66
10 year: 10.68

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	79.05	4724.59	6.35
2/23/2017	73.42	4730.22	5.63

All Historic Measurements



Well Name: **KB-22**

Owner:

Permit #: - NP -

Location #: SC00106017CDD

USGS Site ID: 395727104071701

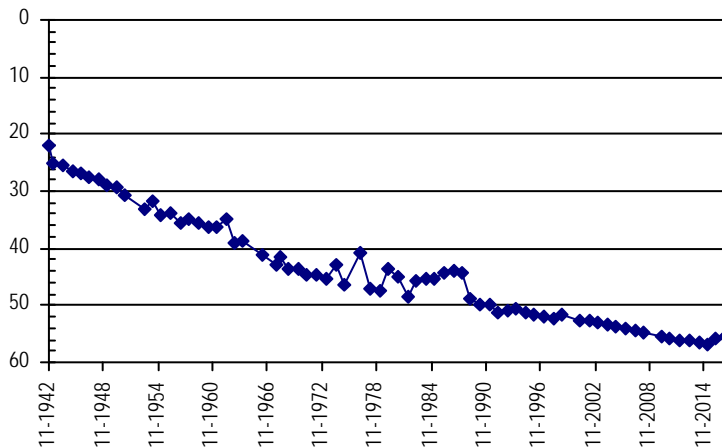
Division: 1 Water District: 1 County: ADAMS
 Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SE SE 17 1 S 60 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y): 4423419.7 Easting (UTM x): 574793.7 GPS
 Latitude/Longitude (decimal degrees): 39.957612 -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:** 0.42
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 0.51
10 year: -0.97

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	55.95	4777.70	0.74
2/23/2017	55.53	4778.12	0.42

All Historic Measurements



KIOWA-BIJOU

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 *GPS*

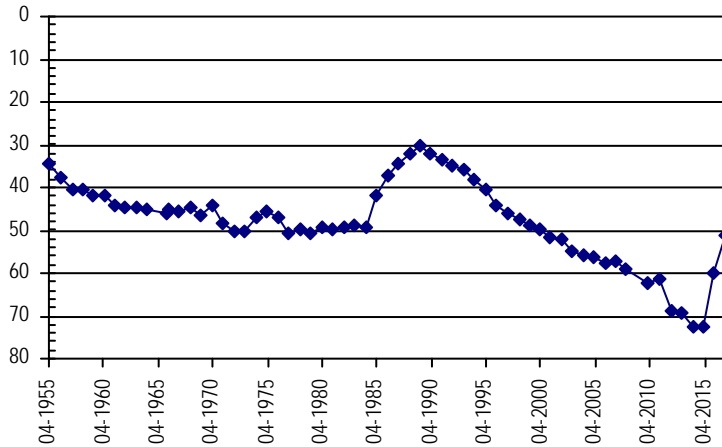
Latitude/Longitude (decimal degrees): 39.985280 -104.298792

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: 8.68
Aquifer(s): QUATERNARY ALLUVIUM			5 year: 17.72
			10 year: 6.32

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	59.80	4873.95	12.74
2/23/2017	51.12	4882.63	8.68

All Historic Measurements



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 *GPS*

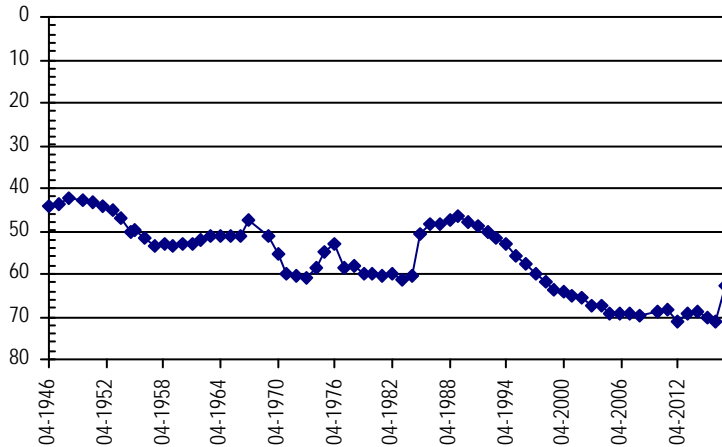
Latitude/Longitude (decimal degrees): 39.945991 -104.305305

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: 8.41
Aquifer(s): QUATERNARY ALLUVIUM			5 year: 8.61
			10 year: 6.48

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	71.02	4925.74	-0.64
2/23/2017	62.61	4934.15	8.41

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 *GPS*

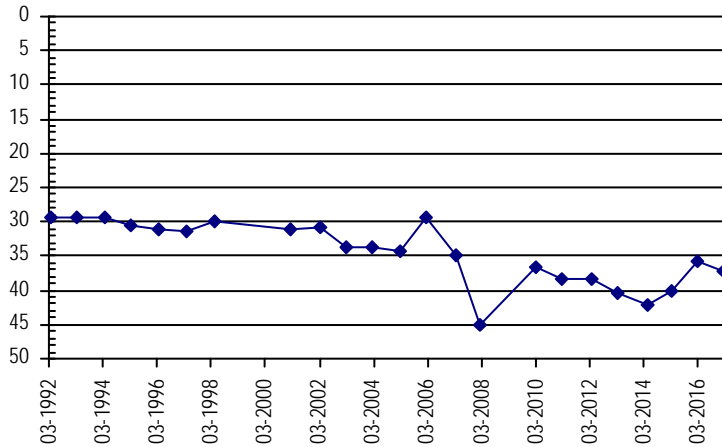
Latitude/Longitude (decimal degrees): 39.857796 -104.150561

<i>Surface Elevation (ft):</i> 4953	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>	Water Level Change
<i>Well depth (ft):</i> 100	<i>Bottom Perforated Interval (ft):</i>		1 year: -1.36
<i>Aquifer(s):</i> QUATERNARY ALLUVIUM			5 year: 1.20
			10 year: -2.26

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	35.79	4917.21	4.41
2/23/2017	37.15	4915.85	-1.36

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 *GPS*

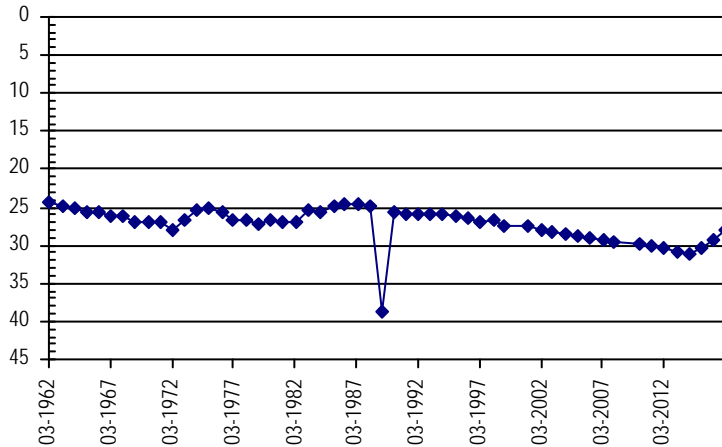
Latitude/Longitude (decimal degrees): 39.899227 -104.148399

<i>Surface Elevation (ft):</i> 4910.66	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>	Water Level Change
<i>Well depth (ft):</i> 89	<i>Bottom Perforated Interval (ft):</i>		1 year: 1.38
<i>Aquifer(s):</i> QUATERNARY ALLUVIUM			5 year: 2.43
			10 year: 1.31

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	29.36	4881.30	1.11
2/23/2017	27.98	4882.68	1.38

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-27** **Owner:** RICK WAGNER
Permit #: 11549 - F - **Location #:** SC00206123CCD **USGS Site ID:** 395119104105901

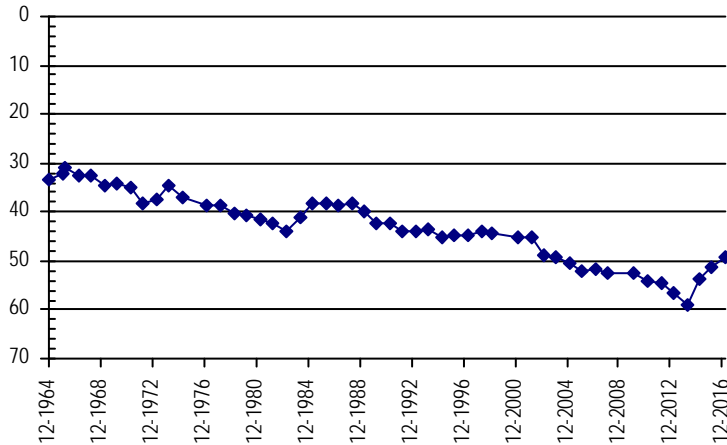
Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section **Twnshp** Range **PM** Distance from section lines:
 SW SW SE 23 2 S 61 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4412033.4 **Easting (UTM x):** 569795.5 *GPS*
Latitude/Longitude (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:** 2.16
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 5.27
10 year: 2.36

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	51.44	4927.24	2.22
2/23/2017	49.28	4929.40	2.16

All Historic Measurements



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

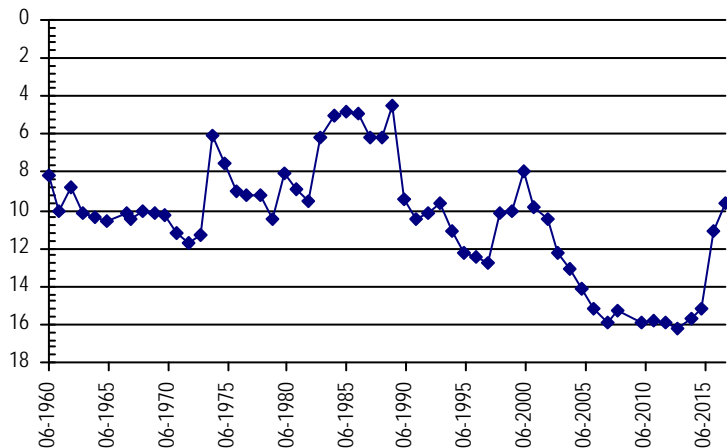
Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section **Twnshp** Range **PM** Distance from section lines:
 SE NE SE 36 2 S 63 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4408968.6 **Easting (UTM x):** 553345.6 *GPS*
Latitude/Longitude (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:** 1.55
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 6.29
10 year: 6.34

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	11.13	5256.73	4.04
2/23/2017	9.58	5258.28	1.55

All Historic Measurements



KIOWA-BIJOU

Well Name: **KB-30**

Owner:

Permit #: 4425 - - **Location #:** SC00306102CCB **USGS Site ID:** 394850104111801

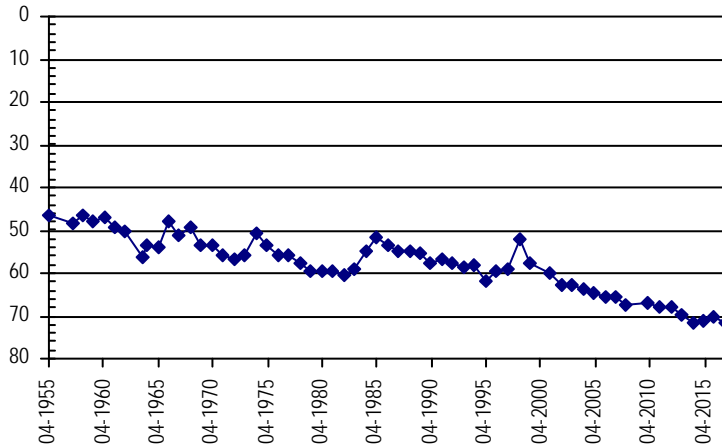
Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SW NW 2 3 S 61 W S *From N/S line:* *From E/W line:*
UTM Coordinates (NAD83): *Northing (UTM y):* 4407361.3 *Easting (UTM x):* 569444.4 *GPS*
Latitude/Longitude (decimal 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:** -1.39
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -3.43
10 year: -5.85

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/18/2016	70.14	4965.54	1.04
2/23/2017	71.53	4964.15	-1.39

All Historic Measurements



Well Name: **KB-31**

Owner:

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

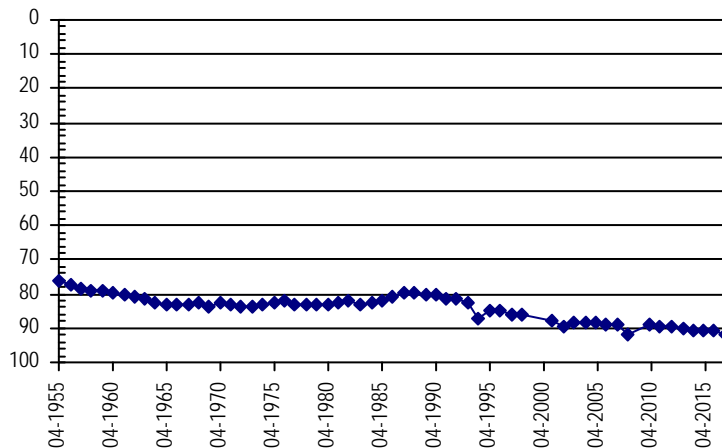
Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SE NE 22 3 S 61 W S *From N/S line:* *From E/W line:*
UTM Coordinates (NAD83): *Northing (UTM y):* 4402682.1 *Easting (UTM x):* 569356.3 *GPS*
Latitude/Longitude (decimal 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:** -1.24
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -1.94
10 year: -2.58

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/18/2016	90.45	5012.24	0.10
2/23/2017	91.69	5011.00	-1.24

All Historic Measurements



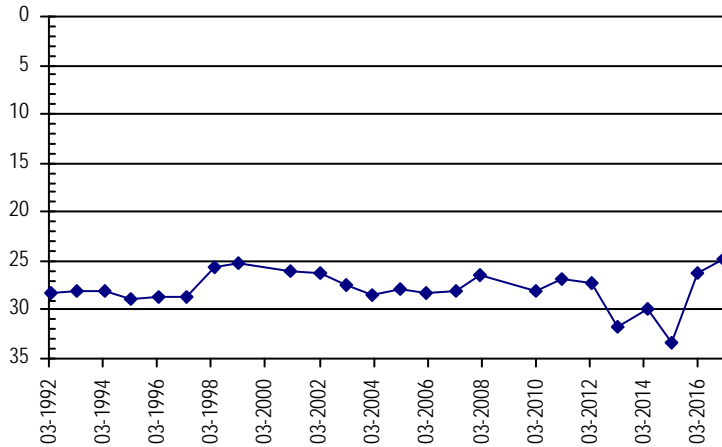
KIOWA-BIJOU

Well Name: KB-32B				<i>Owner:</i> COMANCHE LIVESTOCK
<i>Permit #:</i> - NP -	<i>Location #:</i> SC00306128CBD		<i>USGS Site ID:</i>	
<i>Division:</i> 1	<i>Water District:</i> 1	<i>County:</i> ADAMS		
<i>Location:</i> Q160 Q40 Q10 Section SW NW SE 28	Twnshp 3 S	Range 61 W S	<i>Distance from section lines:</i> <i>From N/S line:</i> <i>From E/W line:</i>	
<i>UTM Coordinates (NAD83): Northing (UTM y):</i> 4400971.1		<i>Easting (UTM x):</i> 566517.4 <i>GPS</i>		
<i>Latitude/Longitude (decimal degrees):</i> 39.756060		-104.223501		
<i>Surface Elevation (ft):</i> 5130	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>	Water Level Change	
<i>Well depth (ft):</i>	<i>Bottom Perforated Interval (ft):</i>		1 year:	1.57
<i>Aquifer(s):</i> QUATERNARY ALLUVIUM			5 year:	2.58
			10 year:	3.37

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/18/2016	26.32	5103.68	6.98
2/23/2017	24.75	5105.25	1.57

All Historic Measurements

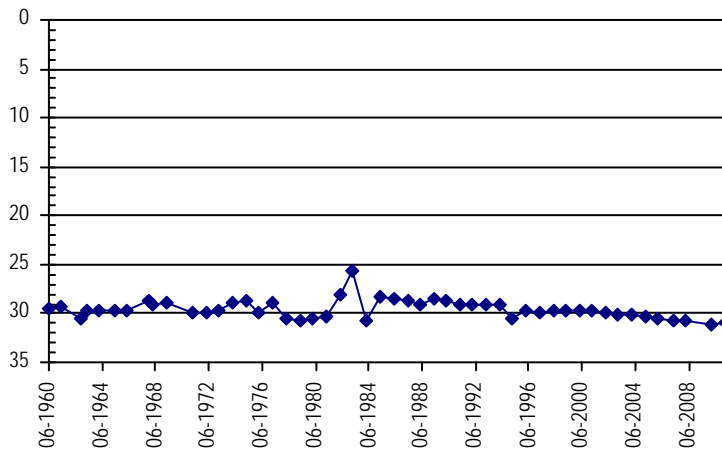


Well Name: KB-33				<i>Owner:</i>
<i>Permit #:</i> - NP -	<i>Location #:</i> SC00306208BAA		<i>USGS Site ID:</i> 394833104205801	
<i>Division:</i> 1	<i>Water District:</i> 1	<i>County:</i> ADAMS		
<i>Location:</i> Q160 Q40 Q10 Section NW NE NE 8	Twnshp 3 S	Range 62 W S	<i>Distance from section lines:</i> <i>From N/S line:</i> <i>From E/W line:</i>	
<i>UTM Coordinates (NAD83): Northing (UTM y):</i> 4406849.5		<i>Easting (UTM x):</i> 555613.6 <i>GPS</i>		
<i>Latitude/Longitude (decimal degrees):</i> 39.809803		-104.350281		
<i>Surface Elevation (ft):</i> 5254.84	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>	Water Level Change	
<i>Well depth (ft):</i> 52	<i>Bottom Perforated Interval (ft):</i>		1 year:	
<i>Aquifer(s):</i> QUATERNARY ALLUVIUM			5 year:	
			10 year:	

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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



KIOWA-BIJOU

Well Name: **KB-34**

Owner:

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

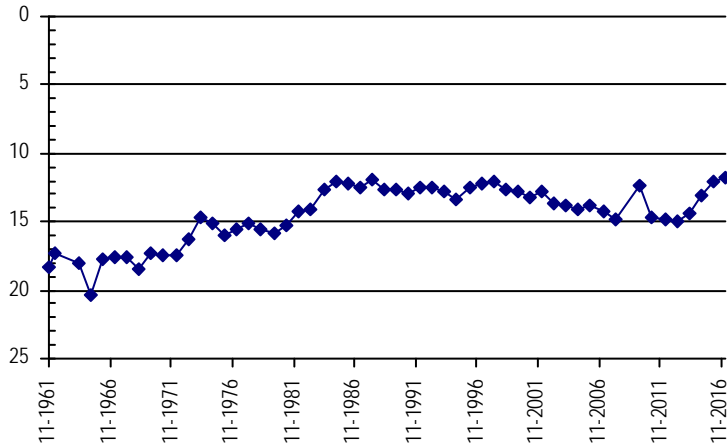
Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SE SE 10 3 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4405400.4 **Easting (UTM x):** 558928.5 *GPS*
Latitude/Longitude (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:** 0.24
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 2.94
10 year: 2.38

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	12.08	5233.73	1.06
2/23/2017	11.84	5233.97	0.24

All Historic Measurements



Well Name: **KB-35**

Owner:

Permit #: - NP - **Location #:** SC00306220CCB **USGS Site ID:** 394613104212601

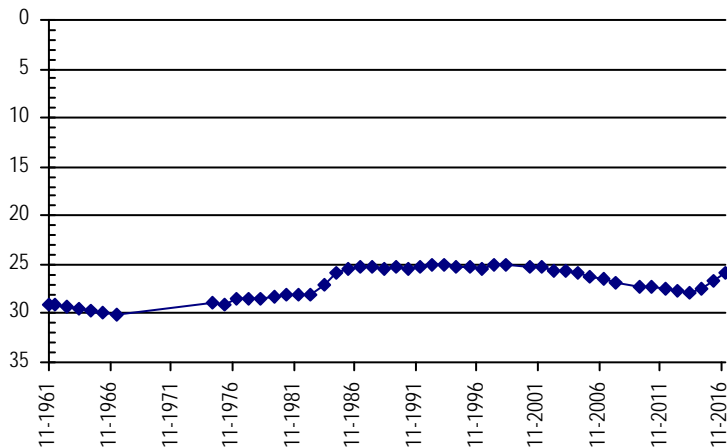
Division: 1 **Water District:** 1 **County:** ADAMS
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SW NW 20 3 S 62 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4402427.4 **Easting (UTM x):** 554967.5 *GPS*
Latitude/Longitude (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:** 0.78
Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 1.55
10 year: 0.60

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	26.65	5305.22	0.73
2/23/2017	25.87	5306.00	0.78

All Historic Measurements



KIOWA-BIJOU

Well Name: KB-36

Owner:

Permit #: - NP -

Location #: SC00306227ACC

USGS Site ID: 394537104183001

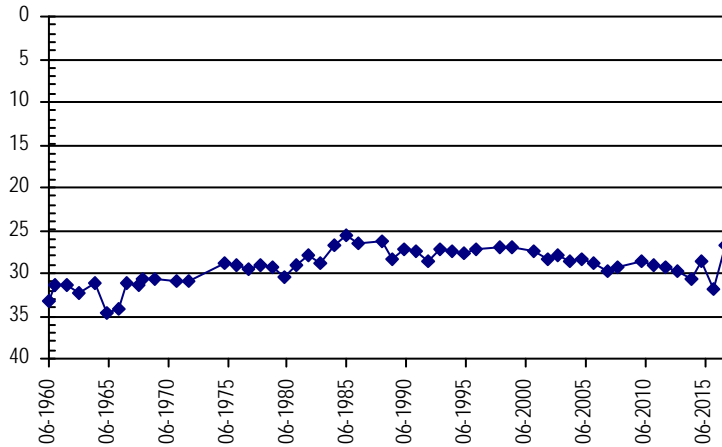
Division: 1 Water District: 1 County: ADAMS
 Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE SW SW 27 3 S 62 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y): 4401378.3 Easting (UTM x): 559224.4 GPS
 Latitude/Longitude (decimal degrees): 39.760267 -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:** 4.99
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 2.58
10 year: 2.91

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	31.78	5293.04	-3.12
2/23/2017	26.79	5298.03	4.99

All Historic Measurements



Well Name: KB-37

Owner:

Permit #: 13137 - -

Location #: SC00306232DDC

USGS Site ID: 394418104203301

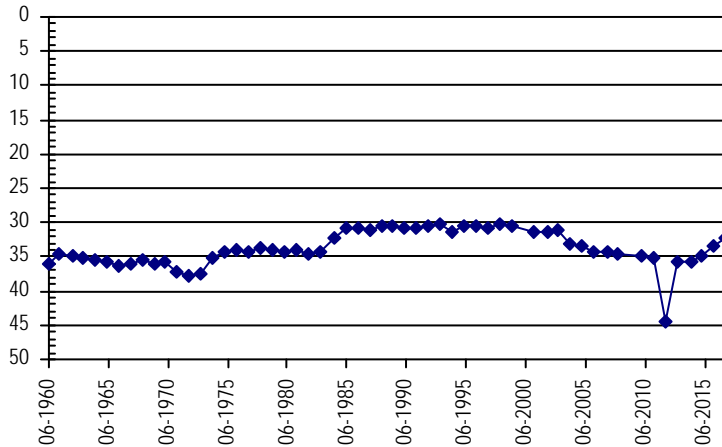
Division: 1 Water District: 1 County: ADAMS
 Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SE SW 32 3 S 62 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y): 4398936.3 Easting (UTM x): 556289.4 GPS
 Latitude/Longitude (decimal degrees): 39.738465 -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:** 1.02
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** 12.19
10 year: 1.81

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	33.38	5349.49	1.59
2/23/2017	32.36	5350.51	1.02

All Historic Measurements



KIOWA-BIJOU

Well Name: KB-39

Owner:

Permit #: - -

Location #: SC00306326CCA

USGS Site ID: 394522104471001

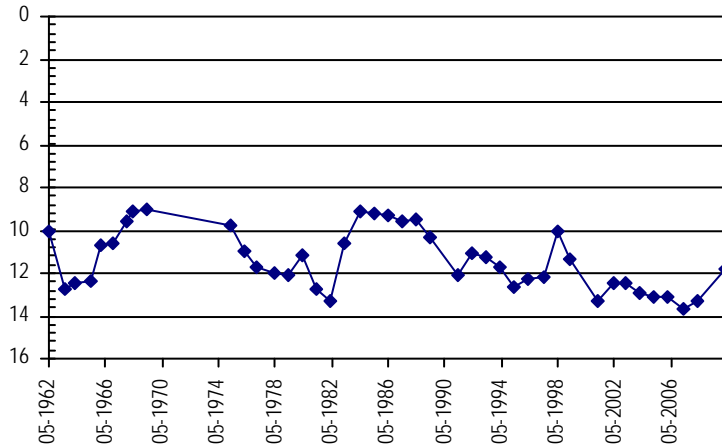
Division: 1 Water District: 1 County: ADAMS
 Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 SW SW NE 26 3 S 63 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y): 4400922.5 Easting (UTM x): 550319.5 GPS
 Latitude/Longitude (decimal degrees): 39.756733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

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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



Well Name: KB-40

Owner: ROARK

Permit #: 9433 - -

Location #: SC00105907CCB

USGS Site ID:

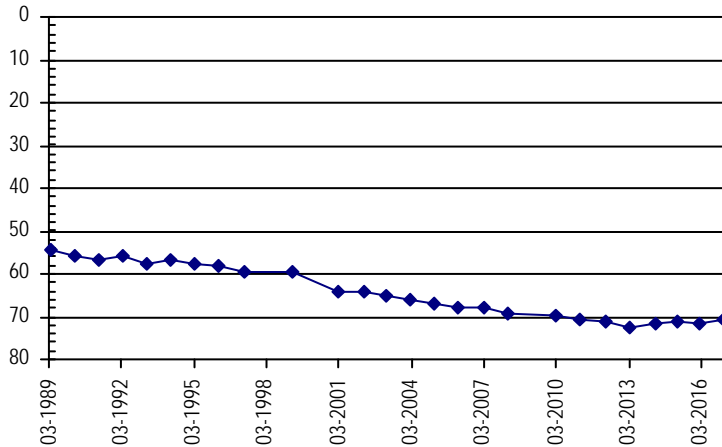
Division: 1 Water District: 1 County: ADAMS
 Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 SW SW NW 7 1 S 59 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y): 4425830.8 Easting (UTM x): 582111.6 GPS
 Latitude/Longitude (decimal degrees): 39.978654 -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: 0.93**
 Aquifer(s): QUATERNARY ALLUVIUM **5 year: 0.43**
10 year: -2.83

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
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
2/17/2016	71.55	4716.45	-0.22
2/23/2017	70.62	4717.38	0.93

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 GPS

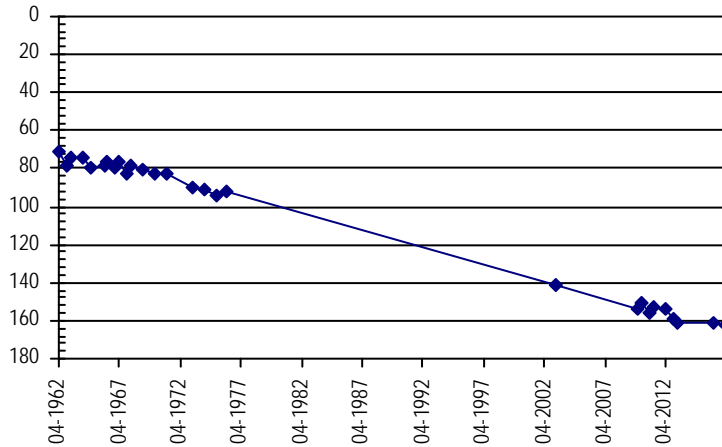
Latitude/Longitude (decimal degrees): 40.204210 -104.051991

Surface Elevation (ft): 4578 Top Perforated Interval (ft): Base of grout (ft): **Water Level Change**
 Well depth (ft): Bottom Perforated Interval (ft): **1 year:** -0.19
 Aquifer(s): QUATERNARY ALLUVIUM **5 year:** -8.31
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
2/17/2016	161.62	4416.38	-0.27
2/23/2017	161.81	4416.19	-0.19

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 GPS

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:** -0.31
 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	
2/17/2016	7.89	5335.11	4.81
2/23/2017	8.20	5334.80	-0.31

All Historic Measurements

