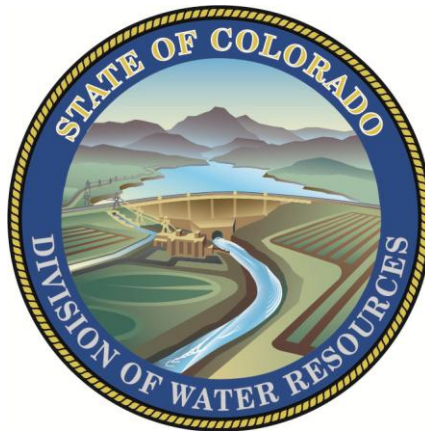


**GROUNDWATER LEVELS
in the
SOUTHERN HIGH PLAINS
DESIGNATED GROUND WATER BASIN
2015**



by
Kevin C. Donegan



COLORADO
Division of Water Resources
Department of Natural Resources

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Groundwater Level Measurements in the Southern High Plains Designated Ground Water Basin 2015

This report contains the basic groundwater level data collected from wells in the Southern High Plains Designated Basin. Acquisition and publication of this information is a cooperative effort between the well owners, Southern High Plains Ground Water Management District (SHPGWMD) and the Colorado Division of Water Resources (DWR). The SHPGWMD has historically obtained the water levels, but starting in 2014 most of the water levels are measured by DWR staff. Help from Don Wood and Max Smith of the SHPGWMD during this transition was greatly appreciated. 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 groundwater level trends throughout the state.

Six distinct aquifers or aquifer combinations are present within the Southern High Plains Designated Ground Water Basin. These include unconsolidated alluvium, Ogallala, Dakota, Cheyenne, undifferentiated Dakota/Cheyenne and the Dockum aquifers. A stratigraphic chart, Figure 1, is included in this report to show the relative age and geologic relationship of these aquifers. The majority of the wells in the basin are completed in the Ogallala, Dakota/Cheyenne, or Dockum aquifers. In general, wells in the southeast portion of the basin are completed in the Ogallala and Dockum aquifers while those in the northwest portion of the basin are completed in the Dakota and/or Cheyenne aquifers. Until 2009 these aquifer units were administered separately. On June 30, 2009, the Colorado Ground Water Commission accepted amended Rule 5.2.3 for the Southern High Plains Designated Ground Water Basin so that all of the aquifers identified above can be administered as a single geo-hydraulic system.

A total of 71 well static water levels were measured and recorded during the month of February 2015. Water levels were not measured in 17 wells that were pumping or where access was restricted. Figure 2 shows the location and designation of all 88 monitoring wells. The map shows the well number with "SHP" prefix removed for spacing purposes. Figure 3 well symbols indicate the aquifers in which these wells are completed. Tabular data are presented for each well for the previous ten years. Graphical data are presented for the entire period of record. Analyses of changes in the water level in the aquifer are complicated by unknown pumping schedules. The table below summarizes some observations gleaned from the data by aquifer.

Aquifer	2015 Water Level Range (ft below ground)	Avg. Water Level Change 2014-2015 (ft)	Avg. Water Level Change 2010-2015 (ft)	Avg. Water Level Change 2005-2015 (ft)	Comment
Ogallala	100 to 247	-4	-12	-7	Few 2005 measurements
Dakota/Cheyenne	57 to 317	-1	-7	-15	Few 2005 measurements
Dockum	25 to 251	0	-6	-14	Few 2005 measurements

Generally water levels in all aquifers throughout the basin are declining. However, ten wells show a trend where water levels are increasing over the past 15-70 years. Seven of the wells are completed in the Dakota/Cheyenne aquifer, two in the Dockum aquifer and one in the Ogallala aquifer. The wells are primarily located in the Southern portion of the Designated Basin near Campo, CO (Figure 3).

Copies of this report can be purchased from the Office of the State Engineer, Records Section, 1313 Sherman St., Room 821, Denver, CO 80203, (303) 866-3581.

An electronic copy of this report 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>

and the Colorado Information Marketplace HydroBase Bulk Data Exporter:

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

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

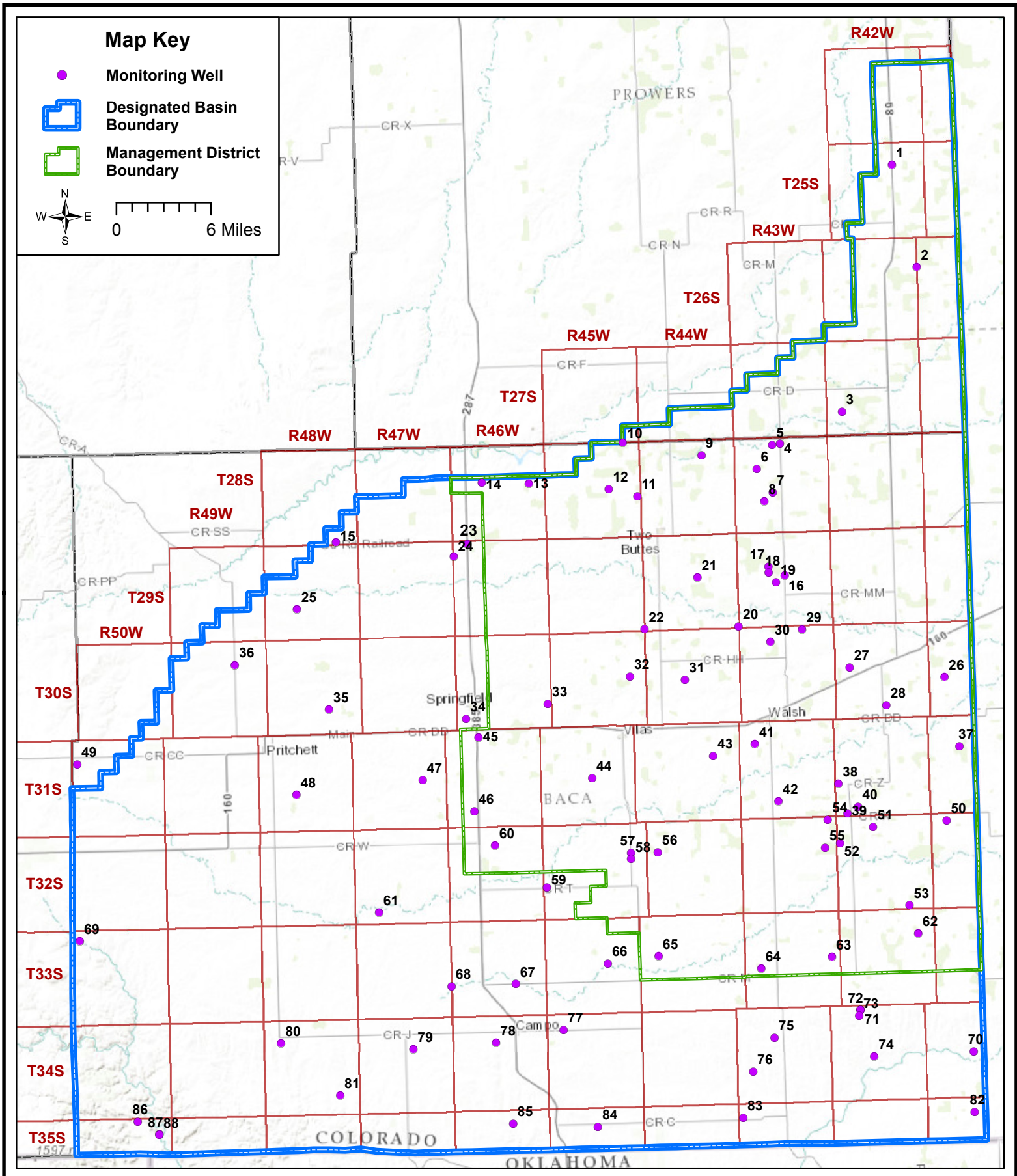
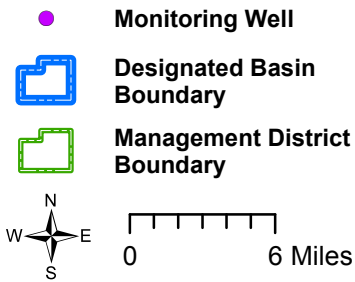


ERA	PERIOD	SOUTHEAST COLORADO AREA
CENOZOIC	PLIOCENE	Ogallala Fm
	MIOCENE	
	OLIGOCENE	
	EOCENE	
	PALEOCENE	
MESOZOIC	CRETACEOUS	UPPER
		Rocky Ford
		Pierre Sh
		Niobrara Fm
		Smoky Hill Mbr
		Ft Hays Ls
		Codell Ss
		Colorado Grp
		Carlile Sh
		Greenhorn Ls
		Graneros Sh
	LOWER	Dakota Ss
		Kiowa Sh
		Cheyenne Ss
	JURASSIC	Morrison Fm
		Ralston Creek Fm
	TRIASSIC	Dockum Gp

Figure 1 - Bedrock Aquifers of Southeast Colorado
(yellow - sandstone dominated; blue-limestone dominated)

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Map Key



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Southern High Plains Designated Basin Monitoring Well Locations Figure 2

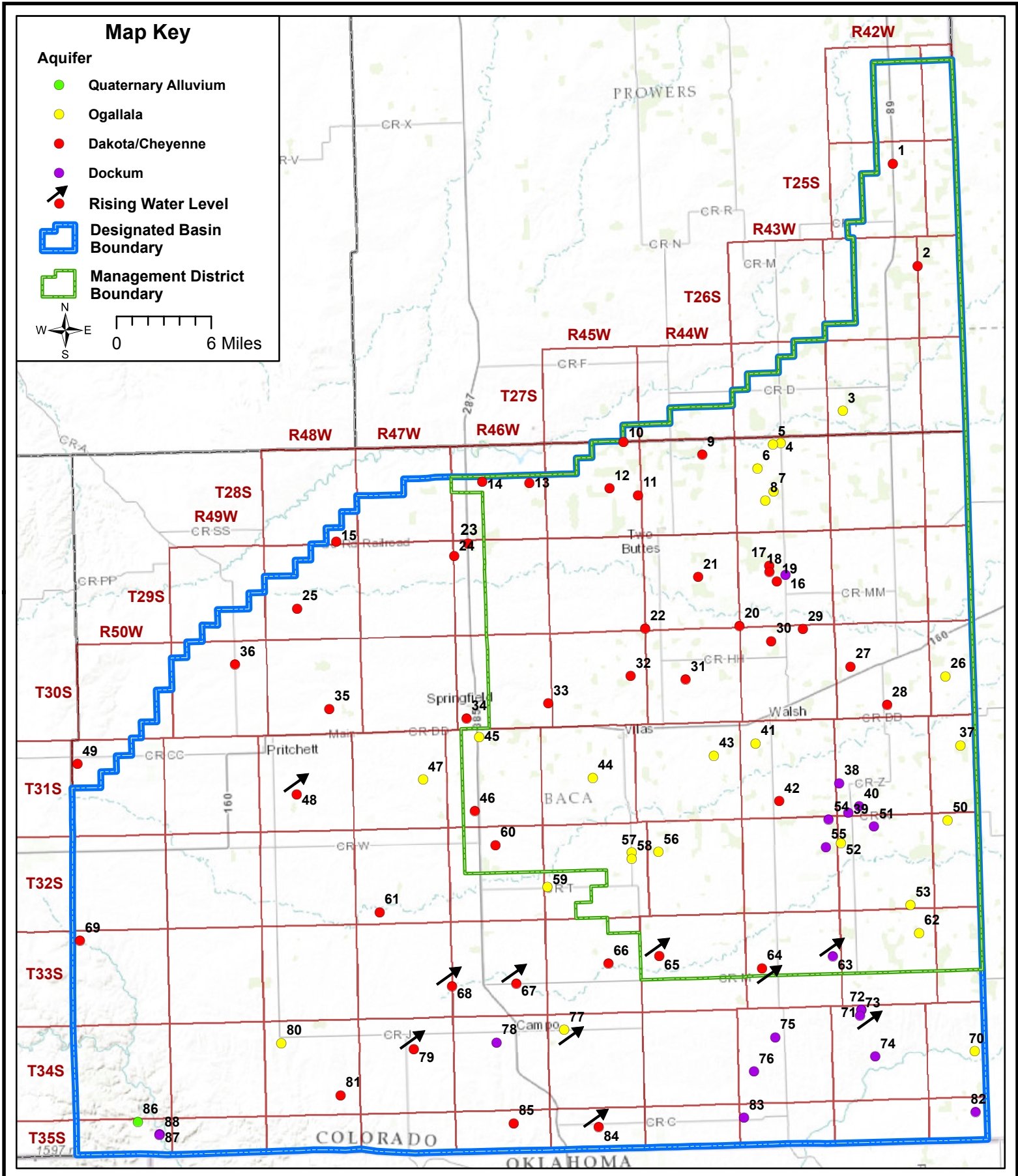
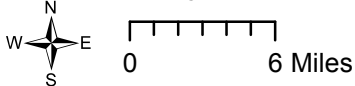
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Map Key

Aquifer

- Quaternary Alluvium
- Ogallala
- Dakota/Cheyenne
- Dockum
- ↗ Rising Water Level
- Designated Basin Boundary
- Management District Boundary



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Southern High Plains Designated Basin Aquifers and Water Level Trends Figure 3

Date: 05/05/2015

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SOUTHERN HIGH PLAINS

Well Name: SHP-01 BLAKE, JERREL

Owner: BLAKE, JERREL

Permit #: 10437 - FP - **Location #:** SC02504211BC

USGS Site ID:

Division: 2 **Water District:** 67 **County:** PROWERS

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
NW SW 11 25 S 42 W S From N/S line: From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4197641.7 Easting (UTM x): 753591.9

Latitude/Longitude (decimal degrees): 37.890991 -102.116188

Surface Elevation (ft): 3659 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**

Well depth (ft): 600 **Bottom Perforated Interval (ft):**

Aquifer(s): DAKOTA

1 year:

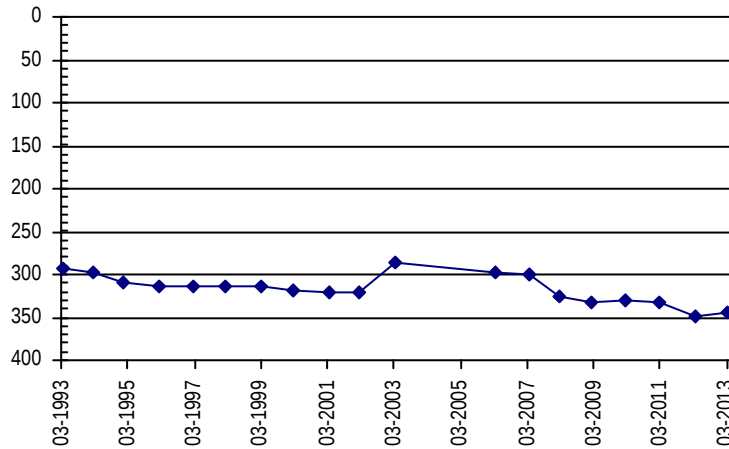
5 year:

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/11/2006	298.80	3360.20	-11.80
3/31/2007	300.60	3358.40	-1.80
2/20/2008	326.10	3332.90	-25.50
2/9/2009	331.90	3327.10	-5.80
2/27/2010	330.00	3329.00	1.90
2/23/2011	333.00	3326.00	-3.00
3/6/2012	348.50	3310.50	-15.50
3/10/2013	345.30	3313.70	3.20
3/18/2014			
2/20/2015			

All Historic Measurements



Well Name: SHP-02 BARTH,RBT.J.

Owner: BARTH,RBT.J.

Permit #: 19211 - FP - **Location #:** SC02604107BC

USGS Site ID:

Division: 2 **Water District:** 67 **County:** PROWERS

Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
NW SW 7 26 S 41 W S From N/S line: From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4187217.1 Easting (UTM x): 756121.8

Latitude/Longitude (decimal degrees): 37.796446 -102.091143

Surface Elevation (ft): 3655 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**

Well depth (ft): 630 **Bottom Perforated Interval (ft):**

Aquifer(s): DAKOTA

CHEYENNE

1 year:

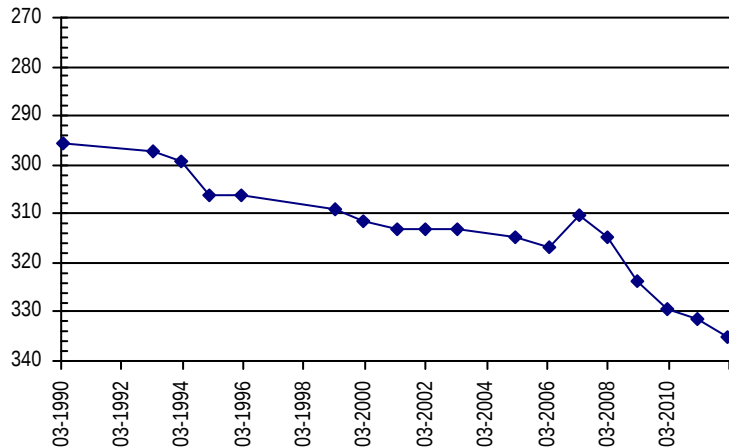
5 year:

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/23/2005	314.80	3340.20	-1.80
3/5/2006	316.90	3338.10	-2.10
3/30/2007	310.30	3344.70	6.60
2/20/2008	314.70	3340.30	-4.40
2/11/2009	323.80	3331.20	-9.10
2/27/2010	329.50	3325.50	-5.70
2/23/2011	331.40	3323.60	-1.90
2/8/2012	335.00	3320.00	-3.60
3/10/2013			
3/18/2014			
2/20/2015			

All Historic Measurements



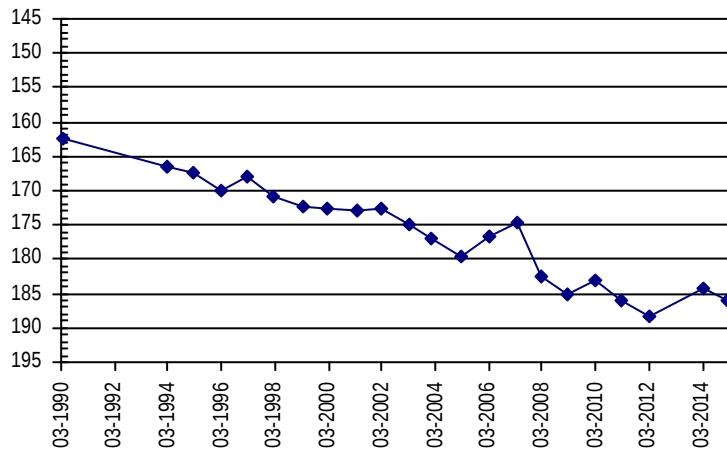
SOUTHERN HIGH PLAINS

Well Name:	SHP-03 WEEKS RANCHES INC.				Owner:	WEEKS RANCHES INC.			
Permit #:	12269 - FP -	Location #: SC02704229CBB				USGS Site ID: 373957102105800			
Division:	2	Water District: 67				County: PROWERS			
Location:	Q160 Q40 Q10	Section	Twnshp	Range	PM	Distance from section lines:			
	SW NW NW	29	27 S	42 W S		From N/S line: From E/W line:			
UTM Coordinates (NAD83):		Northing (UTM y)		4172442.0	Easting (UTM x):		748483.0		
Latitude/Longitude (decimal degrees):				37.665544			-102.182849		
Surface Elevation (ft):	3826.58	Top Perforated Interval (ft):				Base of grout (ft):		Water Level Change	
Well depth (ft):	208	Bottom Perforated Interval (ft):						1 year:	-1.75
Aquifer(s):	OGALLALA							5 year:	-3.08
								10 year:	-6.38

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/22/2005	179.70	3646.88	-2.60
3/4/2006	176.60	3649.98	3.10
3/30/2007	174.70	3651.88	1.90
2/21/2008	182.40	3644.18	-7.70
2/11/2009	185.00	3641.58	-2.60
2/27/2010	183.00	3643.58	2.00
2/23/2011	186.00	3640.58	-3.00
3/6/2012	188.30	3638.28	-2.30
3/10/2013			
3/18/2014	184.33	3642.25	
2/20/2015	186.08	3640.50	-1.75

All Historic Measurements

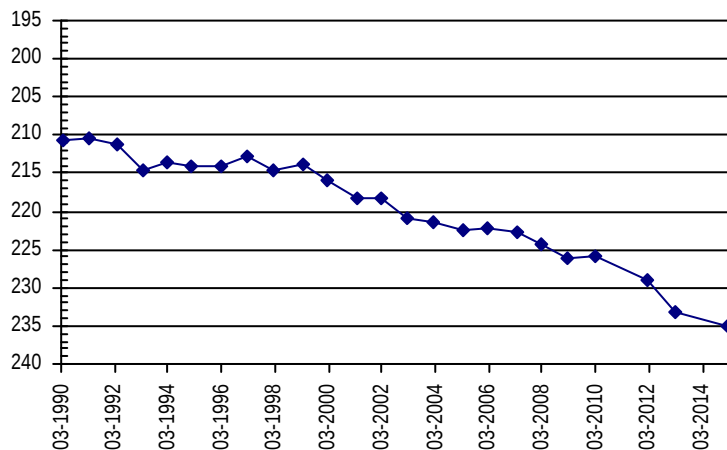


Well Name:	SHP-04 NUSSEER,D.				Owner:	NUSSEER,D.			
Permit #:	21218 - FP -	Location #: SC02804304ADD1				USGS Site ID: 373816102152001			
Division:	2	Water District: 67				County: PROWERS			
Location:	Q160 Q40 Q10	Section	Twnshp	Range	PM	Distance from section lines:			
	NE SE SE	4	28 S	43 W S		From N/S line: From E/W line:			
UTM Coordinates (NAD83):		Northing (UTM y)		4169170.3	Easting (UTM x):		742118.0		
Latitude/Longitude (decimal degrees):				37.637790			-102.256020		
Surface Elevation (ft):	3936.65	Top Perforated Interval (ft):				Base of grout (ft):		Water Level Change	
Well depth (ft):	292	Bottom Perforated Interval (ft):						1 year:	
Aquifer(s):	OGALLALA							5 year:	-9.24
								10 year:	-12.64

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/2/2005	222.50	3714.15	-1.20
2/18/2006	222.20	3714.45	0.30
3/23/2007	222.80	3713.85	-0.60
2/4/2008	224.30	3712.35	-1.50
2/7/2009	226.20	3710.45	-1.90
2/18/2010	225.90	3710.75	0.30
4/13/2011			
2/8/2012	229.00	3707.65	
2/23/2013	233.10	3703.55	-4.10
3/18/2014			
2/20/2015	235.14	3701.51	

All Historic Measurements



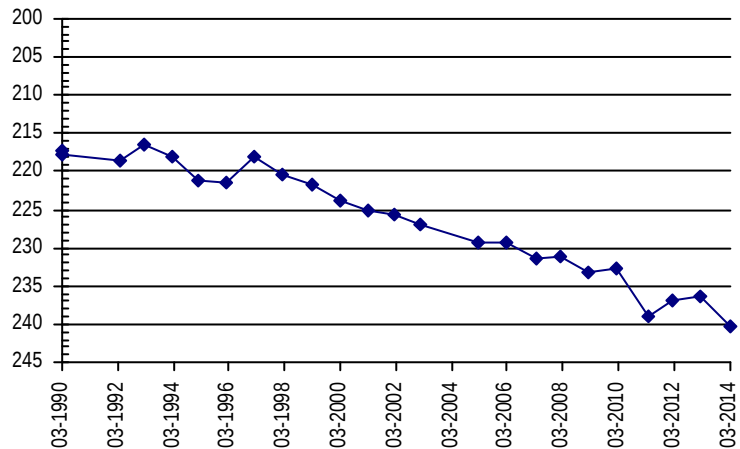
SOUTHERN HIGH PLAINS

Well Name:	SHP-05 SCHNABEL,D.L.							Owner:	SCHNABEL,D.L.	
Permit #:	15639 - FP -			Location #: SC02804304CA				USGS Site ID:		
Division:	2			Water District: 67			County: BACA			
Location:	Q160	Q40	Q10	Section	Twnshp	Range	PM	Distance from section lines:		
	SW	NE		4	28 S	43	W S	From N/S line:		From E/W line:
UTM Coordinates (NAD83):				Northing (UTM y)		4169041.4	Easting (UTM x):		741337.5	
Latitude/Longitude (decimal degrees):						37.636835			-102.264898	
Surface Elevation (ft):		3950		Top Perforated Interval (ft):			Base of grout (ft):		Water Level Change	
Well depth (ft):		272		Bottom Perforated Interval (ft):					1 year:	
Aquifer(s):		OGALLALA							5 year:	

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2005	229.40	3720.60	-2.40
2/18/2006	229.20	3720.80	0.20
3/23/2007	231.40	3718.60	-2.20
2/4/2008	231.20	3718.80	0.20
2/6/2009	233.30	3716.70	-2.10
2/18/2010	232.80	3717.20	0.50
4/14/2011	239.00	3711.00	-6.20
2/8/2012	237.00	3713.00	2.00
2/23/2013	236.30	3713.70	0.70
3/18/2014	240.39	3709.61	-4.09
2/20/2015			

All Historic Measurements

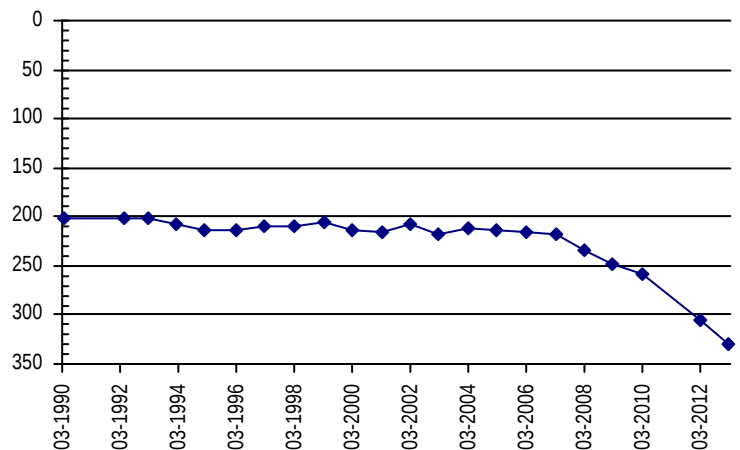


Well Name:	SHP-06 MEYERS, S.							Owner:	MEYERS, S.		
Permit #:	9222 - FP -			Location #: SC02804308BA				USGS Site ID:			
Division:	2			Water District:			67			County: BACA	
Location:	Q160	Q40	Q10	Section	Twnshp	Range	PM		Distance from section lines:		
	NW	NE		8	28	S	43	W	S	From N/S line:	From E/W line:
UTM Coordinates (NAD83):	Northing (UTM y)			4166578.0			Easting (UTM x):		739761.6		
Latitude/Longitude (decimal degrees):				37.615069			-102.283548				
Surface Elevation (ft):	3974			Top Perforated Interval (ft):				Base of grout (ft):		Water Level Change	
Well depth (ft):	510			Bottom Perforated Interval (ft):						1 year:	
Aquifer(s):	OGALLALA									5 year:	
	DAKOTA									10 year:	

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2005	214.50	3759.50	-1.90
2/18/2006	216.70	3757.30	-2.20
3/21/2007	217.70	3756.30	-1.00
2/3/2008	233.50	3740.50	-15.80
2/3/2009	247.80	3726.20	-14.30
2/14/2010	258.20	3715.80	-10.40
4/13/2011			
2/18/2012	306.20	3667.80	
2/18/2013	329.50	3644.50	-23.30
3/3/2014			
2/20/2015			

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-07 GRIFFIN,L.& OTHERS

Owner: GRIFFIN,L.& OTHERS

Permit #: 6081 - FP - **Location #:** SC02804321BDD

USGS Site ID:

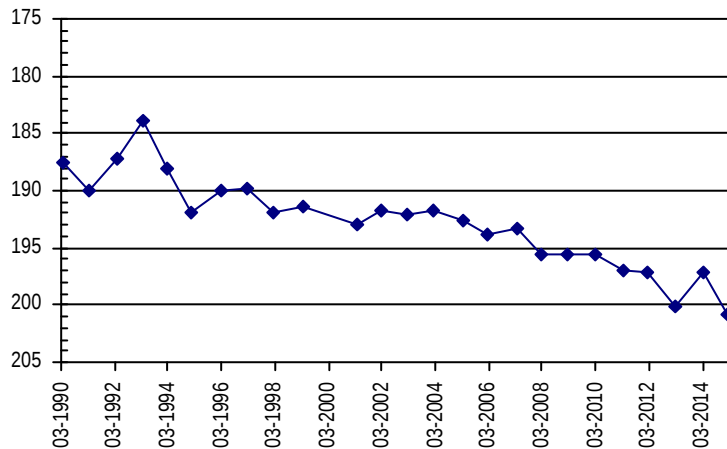
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 NW SE SE 21 28 S 43 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4164223.6 Easting (UTM x): 741391.2
Latitude/Longitude (decimal degrees): 37.593445 -102.265880

Surface Elevation (ft): 3960 **Top Perforated Interval (ft):** 156 **Base of grout (ft):** **Water Level Change**
Well depth (ft): 242 **Bottom Perforated Interval (ft):** 227 **1 year:** -3.69
Aquifer(s): OGALLALA **5 year:** -5.38
 DAKOTA **10 year:** -8.28

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/2/2005	192.60	3767.40	-0.90
2/18/2006	193.80	3766.20	-1.20
3/23/2007	193.30	3766.70	0.50
2/4/2008	195.50	3764.50	-2.20
2/4/2009	195.50	3764.50	0.00
2/14/2010	195.50	3764.50	0.00
3/22/2011	197.00	3763.00	-1.50
2/18/2012	197.20	3762.80	-0.20
2/24/2013	200.10	3759.90	-2.90
3/18/2014	197.19	3762.81	2.91
2/20/2015	200.88	3759.12	-3.69

All Historic Measurements



Well Name: SHP-08 COGBURN,A.

Owner: COGBURN,A.

Permit #: 6190 - F - **Location #:** SC02804329AAA

USGS Site ID:

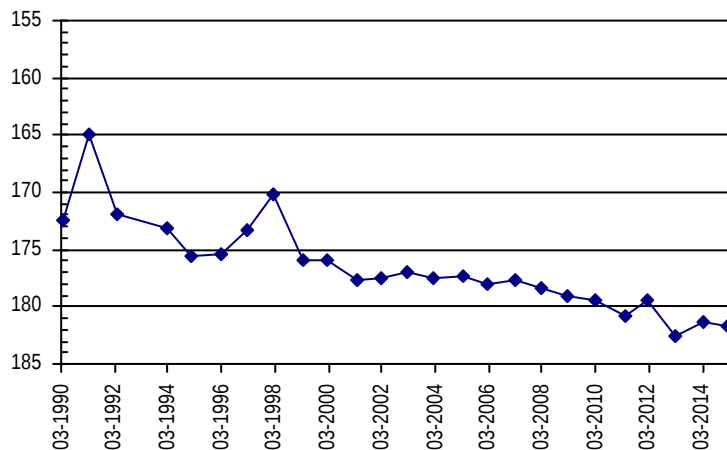
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 NE NE NE 29 28 S 43 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4163308.9 Easting (UTM x): 740540.2
Latitude/Longitude (decimal degrees): 37.585433 -102.275810

Surface Elevation (ft): 3940 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 210 **Bottom Perforated Interval (ft):** **1 year:** -0.27
Aquifer(s): OGALLALA **5 year:** -2.10
 DAKOTA **10 year:** -4.20

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/2/2005	177.40	3762.60	0.10
2/18/2006	178.10	3761.90	-0.70
2/23/2007	177.70	3762.30	0.40
2/4/2008	178.40	3761.60	-0.70
2/7/2009	179.00	3761.00	-0.60
2/18/2010	179.50	3760.50	-0.50
4/13/2011	180.80	3759.20	-1.30
2/8/2012	179.50	3760.50	1.30
2/25/2013	182.60	3757.40	-3.10
3/21/2014	181.33	3758.67	1.27
2/20/2015	181.60	3758.40	-0.27

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-09 COGBURN, B.

Owner: COGBURN, B.

Permit #: 6183 - FP - **Location #:** SC02804410AAA

USGS Site ID:

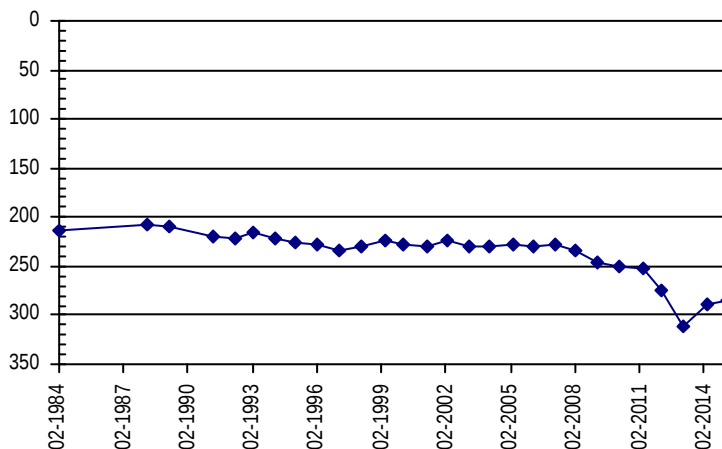
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 NE NE NE 10 28 S 44 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4167972.4 Easting (UTM x): 734114.4
Latitude/Longitude (decimal degrees): 37.629079 -102.347019

Surface Elevation (ft): 4057 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 417 **Bottom Perforated Interval (ft):** **1 year:** 4.41
Aquifer(s): CHEYENNE **5 year:** -34.79
10 year: -55.89

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/1/2005	228.80	3828.20	0.40
2/17/2006	229.60	3827.40	-0.80
3/21/2007	228.60	3828.40	1.00
2/3/2008	234.60	3822.40	-6.00
2/3/2009	245.80	3811.20	-11.20
2/14/2010	249.90	3807.10	-4.10
4/13/2011	253.00	3804.00	-3.10
2/18/2012	275.40	3781.60	-22.40
2/23/2013	311.10	3745.90	-35.70
3/18/2014	289.10	3767.90	22.00
2/20/2015	284.69	3772.31	4.41

All Historic Measurements



Well Name: SHP-10 BELIN, OSCAR & ALTA

Owner: BELIN, OSCAR & ALTA

Permit #: 5498 - FP - **Location #:** SC02804501BB

USGS Site ID:

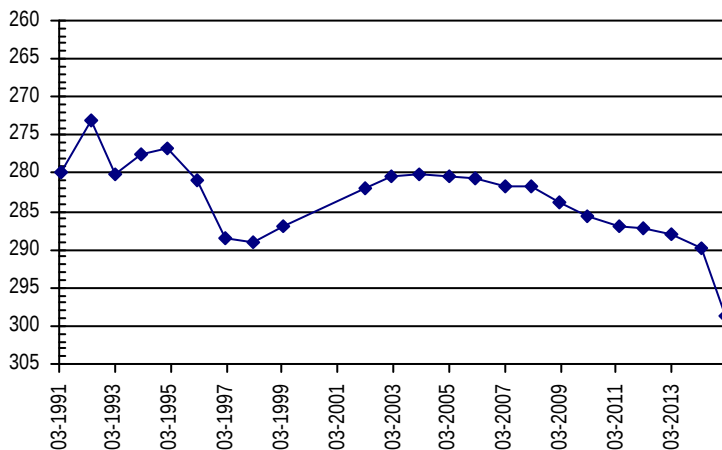
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 NW NW 1 28 S 45 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4169281.0 Easting (UTM x): 726084.0
Latitude/Longitude (decimal degrees): 37.642872 -102.437530

Surface Elevation (ft): 4185 **Top Perforated Interval (ft):** 207 **Base of grout (ft):** **Water Level Change**
Well depth (ft): 407 **Bottom Perforated Interval (ft):** 407 **1 year:** -8.93
Aquifer(s): DAKOTA **5 year:** -13.02
 DOCKUM **10 year:** -18.22

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/1/2005	280.50	3904.50	-0.40
2/15/2006	280.60	3904.40	-0.10
3/22/2007	281.80	3903.20	-1.20
2/3/2008	281.80	3903.20	0.00
2/7/2009	283.90	3901.10	-2.10
2/14/2010	285.70	3899.30	-1.80
4/12/2011	287.00	3898.00	-1.30
2/18/2012	287.20	3897.80	-0.20
2/23/2013	288.10	3896.90	-0.90
3/18/2014	289.79	3895.21	-1.69
2/20/2015	298.72	3886.28	-8.93

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-11 AUSMUS,G,& S. 1

Owner: AUSMUS,G,& S.

Permit #: 9350 - FP -

Location #: SC02804514ADC

USGS Site ID:

Division: 2

Water District: 67

County: BACA

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

NE SE SW 14

28 S 45 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4163814.8 Easting (UTM x): 727567.5

Latitude/Longitude (decimal degrees): 37.593286 -102.422432

Surface Elevation (ft): 4150 **Top Perforated Interval (ft):**

Base of grout (ft):

Water Level Change

Well depth (ft): 430 **Bottom Perforated Interval (ft):**

1 year: -12.98

Aquifer(s): DAKOTA

5 year: -26.58

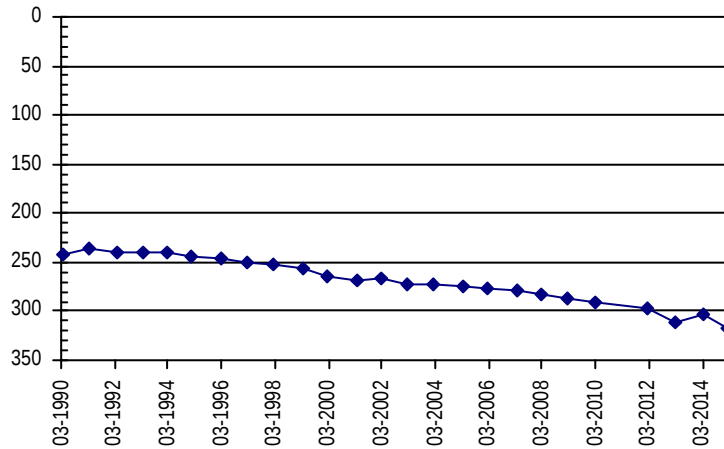
CHEYENNE

10 year: -43.28

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/1/2005	273.80	3876.20	-0.90
2/15/2006	276.40	3873.60	-2.60
3/22/2007	279.50	3870.50	-3.10
2/3/2008	282.30	3867.70	-2.80
2/3/2009	287.50	3862.50	-5.20
2/14/2010	290.50	3859.50	-3.00
4/13/2011			
2/18/2012	297.60	3852.40	
2/23/2013	312.10	3837.90	-14.50
3/18/2014	304.10	3845.90	8.00
2/20/2015	317.08	3832.92	-12.98

All Historic Measurements



Well Name: SHP-12 AUSMUS,G,& S. 2

Owner: AUSMUS,G,& S.

Permit #: 5259 - FP -

Location #: SC02804514CCC

USGS Site ID:

Division: 2

Water District: 67

County: BACA

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

SW SW SW 14

28 S 45 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4164534.9 Easting (UTM x): 724639.1

Latitude/Longitude (decimal degrees): 37.600490 -102.455350

Surface Elevation (ft): 4205 **Top Perforated Interval (ft):**

Base of grout (ft):

Water Level Change

Well depth (ft): 450 **Bottom Perforated Interval (ft):**

1 year:

Aquifer(s): CHEYENNE

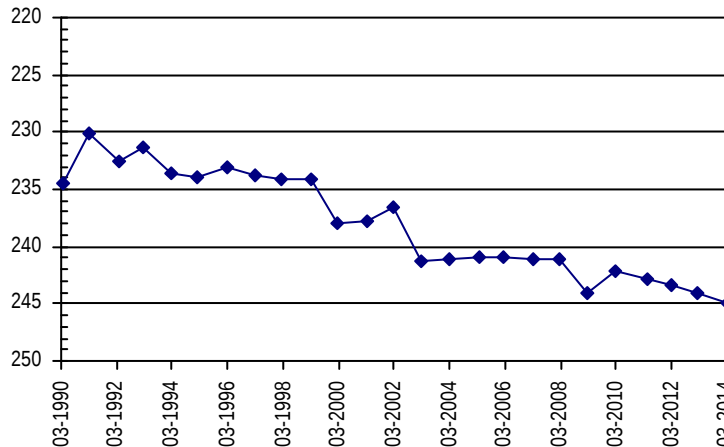
5 year:

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/1/2005	241.00	3964.00	0.10
2/15/2006	241.00	3964.00	0.00
3/22/2007	241.10	3963.90	-0.10
2/3/2008	241.10	3963.90	0.00
2/3/2009	244.00	3961.00	-2.90
2/14/2010	242.10	3962.90	1.90
4/13/2011	242.90	3962.10	-0.80
2/18/2012	243.30	3961.70	-0.40
2/23/2013	244.10	3960.90	-0.80
3/18/2014	244.87	3960.13	-0.77
2/20/2015			

All Historic Measurements



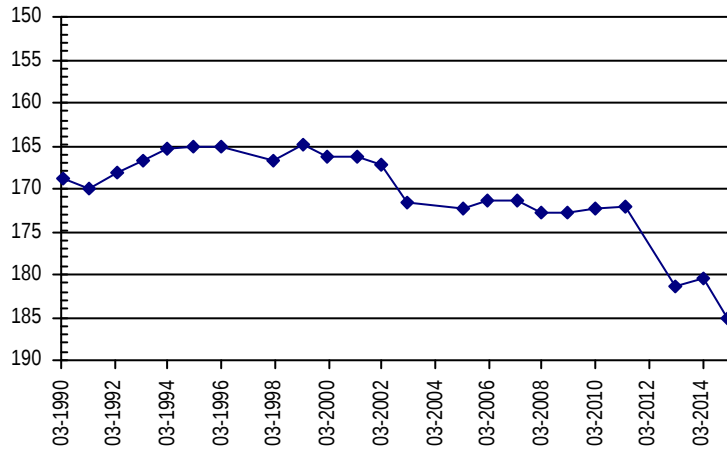
SOUTHERN HIGH PLAINS

Well Name:	SHP-13 KITZMILLER,K.& M.										Owner:	KITZMILLER,K.& M.						
Permit #:	10080 - FP -				Location #:				SC02804613BCC				USGS Site ID:		373626102324700			
Division:	2				Water District:				67				County:				BACA	
Location:	Q160	Q40	Q10	Section	Twnshp	Range	PM	Distance from section lines:										
	NW	SW	SW	13	28 S	46	W S	From N/S line:				From E/W line:						
UTM Coordinates (NAD83):	Northing (UTM y)				4165090.0		Easting (UTM x):		716484.0									
Latitude/Longitude (decimal degrees):					37.607444				-102.547485									
Surface Elevation (ft):	4311.96		Top Perforated Interval (ft):				Base of grout (ft):				Water Level Change							
Well depth (ft):	253		Bottom Perforated Interval (ft):								1 year:				-4.79			
Aquifer(s):	CHEYENNE												5 year:				-12.89	

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/1/2005	172.30	4139.66	-0.70
2/15/2006	171.40	4140.56	0.90
3/22/2007	171.30	4140.66	0.10
2/3/2008	172.70	4139.26	-1.40
2/3/2009	172.90	4139.06	-0.20
2/14/2010	172.30	4139.66	0.60
4/13/2011	172.10	4139.86	0.20
2/18/2012			
2/16/2013	181.30	4130.66	
3/18/2014	180.40	4131.56	0.90
2/19/2015	185.19	4126.77	-4.79

All Historic Measurements

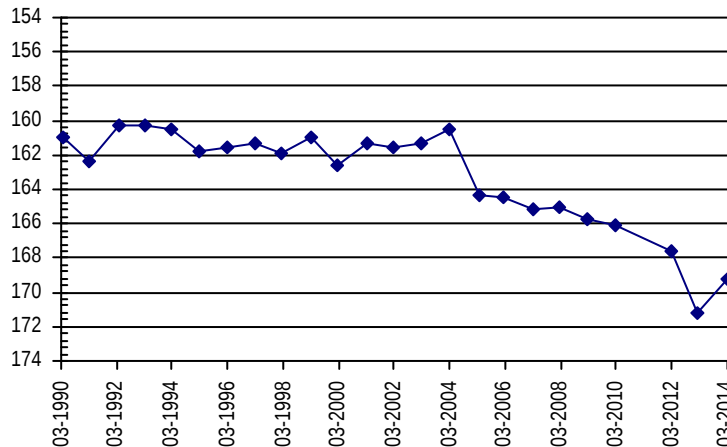


Well Name:	SHP-14 KITZMILLER,MARY F.							Owner:	KITZMILLER,MARY F.			
Permit #:	9444 - FP -			Location #:			SC02804616BCB			USGS Site ID:		
Division:	2			Water District:			67			County: BACA		
Location:	Q160	Q40	Q10	Section	Twnshp	Range	PM	Distance from section lines:				
	NW	SW	NW	16	28 S	46	W S	From N/S line:			From E/W line:	
UTM Coordinates (NAD83):				Northing (UTM y)		4165227.2		Easting (UTM x):		711662.1		
Latitude/Longitude (decimal degrees):						37.609802				-102.602028		
Surface Elevation (ft):	4385		Top Perforated Interval (ft):				Base of grout (ft):				Water Level Change	
Well depth (ft):	210		Bottom Perforated Interval (ft):								1 year:	
Aquifer(s):	DAKOTA										5 year:	

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/1/2005	164.30	4220.70	-3.80
2/15/2006	164.50	4220.50	-0.20
3/22/2007	165.20	4219.80	-0.70
2/3/2008	165.00	4220.00	0.20
2/3/2009	165.70	4219.30	-0.70
2/14/2010	166.10	4218.90	-0.40
4/12/2011			
2/18/2012	167.60	4217.40	
2/17/2013	171.20	4213.80	-3.60
3/18/2014	169.29	4215.71	1.91
2/19/2015			

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-15 MOORE

Owner: MOORE

Permit #: 9835 - -

Location #: SC02804835DCD

USGS Site ID:

Division: 2

Water District: 67

County: BACA

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

SE SW SE 35

28 S 48 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4159141.0 Easting (UTM x): 696769.0

Latitude/Longitude (decimal degrees): 37.558293 -102.772269

Surface Elevation (ft): 4610 **Top Perforated Interval (ft):**

Base of grout (ft):

Water Level Change

Well depth (ft): 316 **Bottom Perforated Interval (ft):**

1 year: 0.04

Aquifer(s): DAKOTA

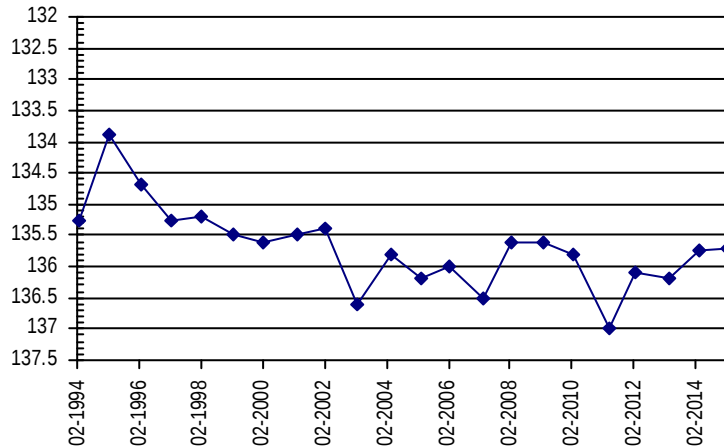
5 year: 0.10

10 year: 0.50

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/3/2005	136.20	4473.80	-0.40
2/20/2006	136.00	4474.00	0.20
3/24/2007	136.50	4473.50	-0.50
2/8/2008	135.60	4474.40	0.90
2/6/2009	135.60	4474.40	0.00
2/24/2010	135.80	4474.20	-0.20
4/12/2011	137.00	4473.00	-1.20
2/25/2012	136.10	4473.90	0.90
3/8/2013	136.20	4473.80	-0.10
3/25/2014	135.74	4474.26	0.46
2/19/2015	135.70	4474.30	0.04

All Historic Measurements



Well Name: SHP-16 COMMERCE RANCH 1

Owner: COMMERCE RANCH

Permit #: - -

Location #: SC02904315CCB

USGS Site ID: 373058102151500

Division: 2

Water District: 67

County: BACA

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

SW SW NW 15

29 S 43 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4155748.0 Easting (UTM x): 742599.0

Latitude/Longitude (decimal degrees): 37.516820 -102.255017

Surface Elevation (ft): 3914.58 **Top Perforated Interval (ft):**

Base of grout (ft):

Water Level Change

Well depth (ft): 343 **Bottom Perforated Interval (ft):**

1 year: -1.64

Aquifer(s): DOCKUM

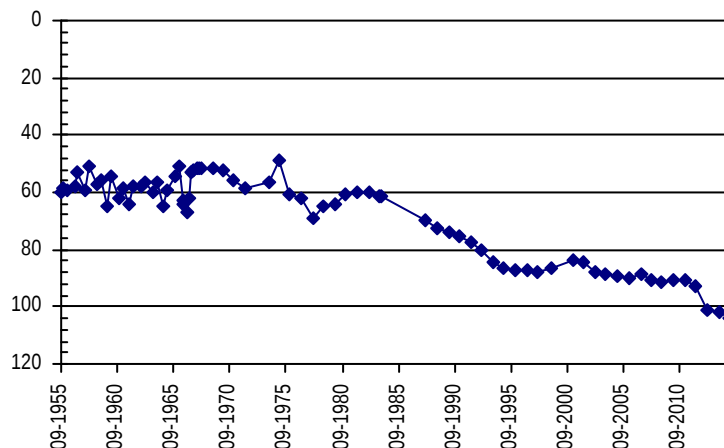
5 year: -12.65

10 year: -14.45

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/22/2005	89.20	3825.38	-0.40
3/4/2006	89.90	3824.68	-0.70
3/31/2007	88.70	3825.88	1.20
2/19/2008	90.40	3824.18	-1.70
2/11/2009	91.10	3823.48	-0.70
2/26/2010	91.00	3823.58	0.10
3/23/2011	91.00	3823.58	0.00
2/8/2012	93.10	3821.48	-2.10
3/2/2013	101.10	3813.48	-8.00
3/20/2014	102.01	3812.57	-0.91
2/20/2015	103.65	3810.93	-1.64

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-17 COMMERCE RANCH 2

Owner: COMMERCE RANCH

Permit #: 18427 - RFP - Location #: SC02904316BB

USGS Site ID:

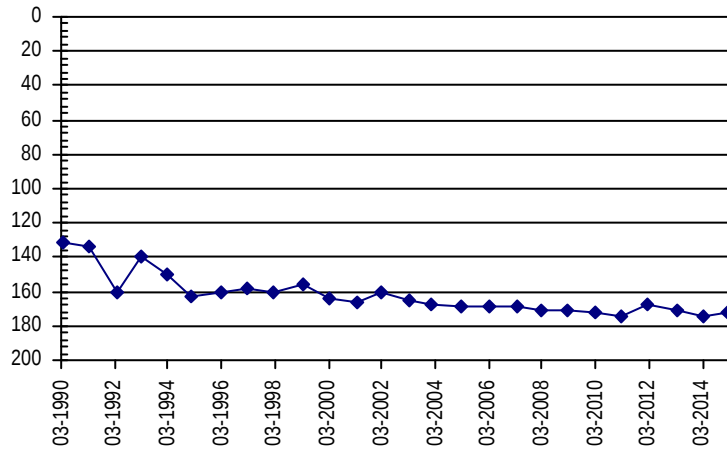
Division: 2 Water District: 67 County: BACA
 Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 NW NW 16 29 S 43 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4156665.3 Easting (UTM x): 740942.8
 Latitude/Longitude (decimal degrees): 37.525513 -102.273437

Surface Elevation (ft): 3939 Top Perforated Interval (ft): Base of grout (ft): **Water Level Change**
 Well depth (ft): 411 Bottom Perforated Interval (ft): **1 year:** 3.03
 Aquifer(s): DAKOTA **5 year:** 0.34
 CHEYENNE **10 year:** -3.36

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/22/2005	168.30	3770.70	-1.00
3/4/2006	168.80	3770.20	-0.50
3/31/2007	169.00	3770.00	-0.20
2/19/2008	170.70	3768.30	-1.70
2/11/2009	171.50	3767.50	-0.80
2/26/2010	172.00	3767.00	-0.50
2/23/2011	174.10	3764.90	-2.10
2/8/2012	168.00	3771.00	6.10
3/2/2013	171.10	3767.90	-3.10
3/20/2014	174.69	3764.31	-3.59
2/20/2015	171.66	3767.34	3.03

All Historic Measurements



Well Name: SHP-18 COMMERCE RANCH 3

Owner: COMMERCE RANCH

Permit #: 18427 - SFP - Location #: SC02904316CBB

USGS Site ID:

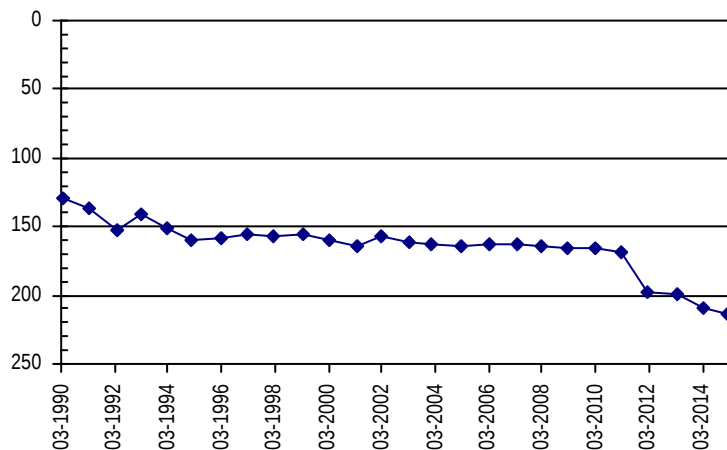
Division: 2 Water District: 67 County: BACA
 Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 SW NW NW 16 29 S 43 W S From N/S line: 1914 S From E/W line: 112 W
 UTM Coordinates (NAD83): Northing (UTM y) 4156029.1 Easting (UTM x): 740959.7
 Latitude/Longitude (decimal degrees): 37.519780 -102.273454

Surface Elevation (ft): 3936 Top Perforated Interval (ft): Base of grout (ft): **Water Level Change**
 Well depth (ft): 465 Bottom Perforated Interval (ft): **1 year:** -5.44
 Aquifer(s): DAKOTA **5 year:** -48.30
 CHEYENNE **10 year:** -50.10

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/22/2005	164.00	3772.00	-0.70
3/4/2006	163.10	3772.90	0.90
3/31/2007	163.30	3772.70	-0.20
2/19/2008	164.80	3771.20	-1.50
2/13/2009	165.50	3770.50	-0.70
2/26/2010	165.80	3770.20	-0.30
2/21/2011	168.80	3767.20	-3.00
2/8/2012	198.00	3738.00	-29.20
3/8/2013	199.10	3736.90	-1.10
3/20/2014	208.66	3727.34	-9.56
2/20/2015	214.10	3721.90	-5.44

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-19 COMMERCE RANCH 4

Owner: COMMERCE RANCH

Permit #: 67883 - - Location #: SC02904321BAD

USGS Site ID:

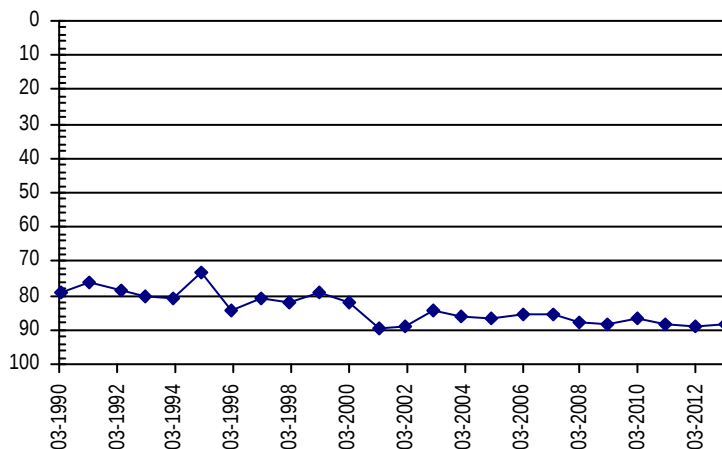
Division: 2 Water District: 67 County: BACA
 Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 NW NE SE 21 29 S 43 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4155067.0 Easting (UTM x): 741741.0
 Latitude/Longitude (decimal degrees): 37.510914 -102.264939

Surface Elevation (ft): 3915 Top Perforated Interval (ft): Base of grout (ft): **Water Level Change**
 Well depth (ft): 400 Bottom Perforated Interval (ft): **1 year:**
 Aquifer(s): DAKOTA **5 year:**
 CHEYENNE **10 year:**

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2005	86.50	3828.50	-0.60
3/4/2006	85.40	3829.60	1.10
3/31/2007	85.40	3829.60	0.00
2/19/2008	88.00	3827.00	-2.60
2/11/2009	88.30	3826.70	-0.30
2/26/2010	86.60	3828.40	1.70
2/22/2011	88.30	3826.70	-1.70
2/18/2012	89.10	3825.90	-0.80
3/2/2013	88.40	3826.60	0.70
3/20/2014			
2/20/2015			

All Historic Measurements



Well Name: SHP-20 THOMPSON,H.J.

Owner: THOMPSON,H.J.

Permit #: 12273 - R - Location #: SC02904331CCC

USGS Site ID:

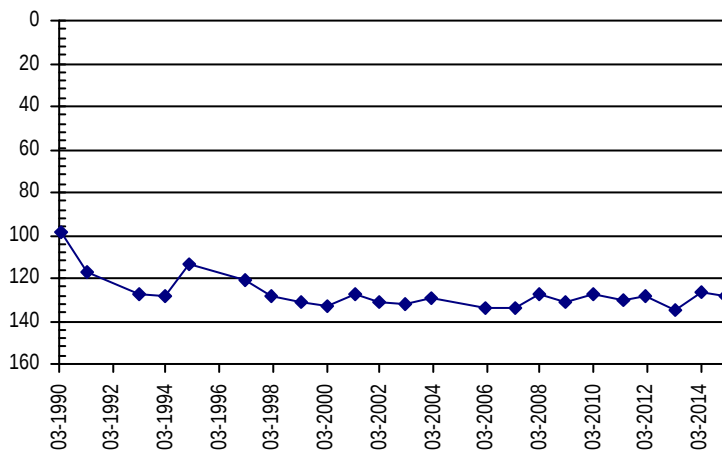
Division: 2 Water District: 66 County: BACA
 Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 SW SW SW 31 29 S 43 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4150522.9 Easting (UTM x): 737906.0
 Latitude/Longitude (decimal degrees): 37.470996 -102.309753

Surface Elevation (ft): 3964 Top Perforated Interval (ft): Base of grout (ft): **Water Level Change**
 Well depth (ft): 416 Bottom Perforated Interval (ft): **1 year:** -2.39
 Aquifer(s): DAKOTA **5 year:** -0.84
 CHEYENNE **10 year:**

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/2006	133.70	3830.30	-4.00
3/23/2007	133.60	3830.40	0.10
2/4/2008	127.70	3836.30	5.90
2/7/2009	131.40	3832.60	-3.70
2/20/2010	127.70	3836.30	3.70
4/12/2011	129.90	3834.10	-2.20
2/18/2012	128.10	3835.90	1.80
3/2/2013	135.20	3828.80	-7.10
3/20/2014	126.15	3837.85	9.05
2/19/2015	128.54	3835.46	-2.39

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-21 SC02904415C

Owner:

Permit #:

10133 - FP -

Location #:

SC02904415CD

USGS Site ID:

Division:

2

Water District:

67

County: BACA

Location:

Q160 Q40 Q10

Section

Twnshp

Range

PM

Distance from section lines:

SW SE

15

29 S

44 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y)

4155531.0

Easting (UTM x):

733706.2

Latitude/Longitude (decimal degrees):

37.517161

-102.355607

Surface Elevation (ft):

4045

Top Perforated Interval (ft):

Base of grout (ft):

Water Level Change

Well depth (ft):

385

Bottom Perforated Interval (ft):

1 year:

-1.73

Aquifer(s):

DAKOTA

5 year:

-4.94

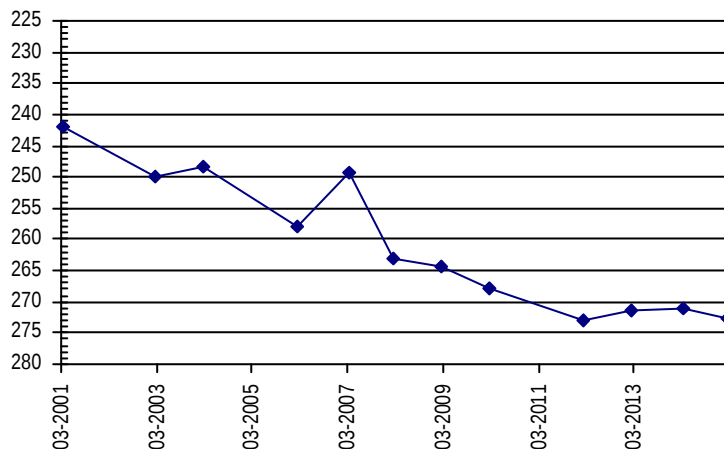
CHEYENNE

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/2006	258.00	3787.00	-9.80
3/23/2007	249.30	3795.70	8.70
2/4/2008	263.00	3782.00	-13.70
2/6/2009	264.30	3780.70	-1.30
2/20/2010	267.80	3777.20	-3.50
4/12/2011			
2/18/2012	273.10	3771.90	
2/24/2013			
2/25/2013	271.30	3773.70	
3/20/2014	271.01	3773.99	0.29
2/20/2015	272.74	3772.26	-1.73

All Historic Measurements



Well Name: SHP-22 DUNN-RED

Owner: DUNN-RED

Permit #:

10173 - F -

Location #:

SC02904431CC

USGS Site ID:

Division:

2

Water District:

67

County: BACA

Location:

Q160 Q40 Q10

Section

Twnshp

Range

PM

Distance from section lines:

SW SW

31

29 S

44 W S

From N/S line:

20 S

From E/W line: 2500 E

UTM Coordinates (NAD83): Northing (UTM y)

4150245.8

Easting (UTM x):

728293.5

Latitude/Longitude (decimal degrees):

37.470926

-102.418434

Surface Elevation (ft):

4093

Top Perforated Interval (ft):

Base of grout (ft):

Water Level Change

Well depth (ft):

220

Bottom Perforated Interval (ft):

1 year:

Aquifer(s):

DAKOTA

5 year:

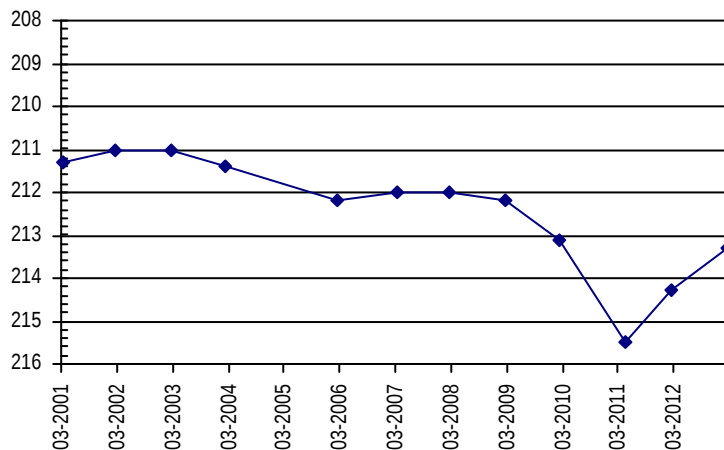
ALL UNNAMED AQUIFERS

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/2006	212.20	3880.80	-0.80
3/24/2007	212.00	3881.00	0.20
2/4/2008	212.00	3881.00	0.00
2/6/2009	212.20	3880.80	-0.20
2/20/2010	213.10	3879.90	-0.90
4/19/2011	215.50	3877.50	-2.40
2/18/2012	214.30	3878.70	1.20
2/24/2013	213.30	3879.70	1.00

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-23 WILSON,F.

Owner: WILSON,F.

Permit #: 3126 - F - **Location #:** SC02904605BB **USGS Site ID:** 373308102370300

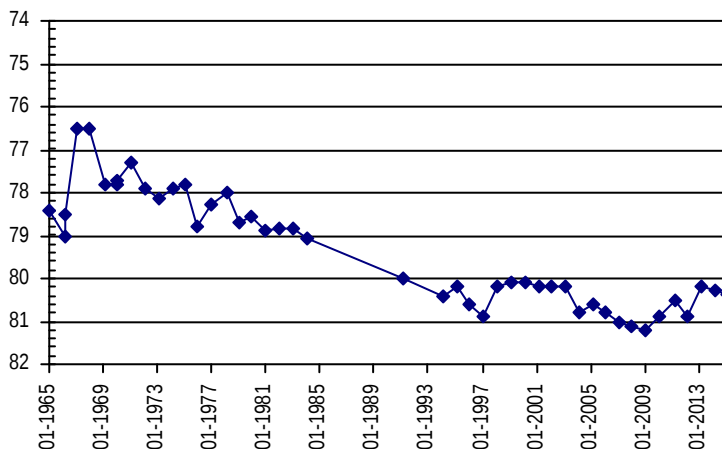
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NW 5 29 S 46 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4158940.7 Easting (UTM x): 710223.9
Latitude/Longitude (decimal degrees): 37.553517 -102.620112

Surface Elevation (ft): 4382.02 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 132 **Bottom Perforated Interval (ft):** **1 year:** -0.11
Aquifer(s): DAKOTA **5 year:** 0.52
10 year: 0.22

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/3/2005	80.60	4301.42	0.20
2/16/2006	80.80	4301.22	-0.20
3/23/2007	81.00	4301.02	-0.20
2/8/2008	81.10	4300.92	-0.10
2/6/2009	81.20	4300.82	-0.10
2/24/2010	80.90	4301.12	0.30
4/12/2011	80.50	4301.52	0.40
2/25/2012	80.90	4301.12	-0.40
3/8/2013	80.20	4301.82	0.70
3/20/2014	80.27	4301.75	-0.07
2/19/2015	80.38	4301.64	-0.11

All Historic Measurements



Well Name: SHP-24 CHENOWETH,W.V.

Owner: CHENOWETH,W.V.

Permit #: 62402 - - **Location #:** SC02904607BBB **USGS Site ID:**

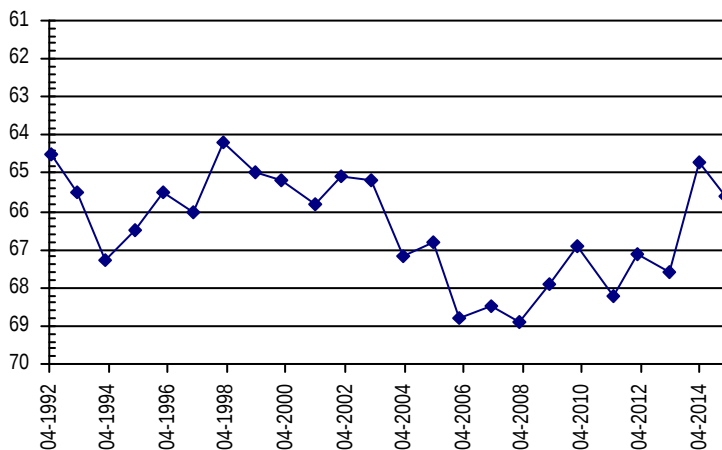
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NW NW 7 29 S 46 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4157666.7 Easting (UTM x): 708810.9
Latitude/Longitude (decimal degrees): 37.542365 -102.636459

Surface Elevation (ft): 4380 **Top Perforated Interval (ft):** 70 **Base of grout (ft):** **Water Level Change**
Well depth (ft): 100 **Bottom Perforated Interval (ft):** 100 **1 year:** -0.91
Aquifer(s): DAKOTA **5 year:** 1.29
10 year: 1.19

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/3/2005	66.80	4313.20	0.40
2/16/2006	68.80	4311.20	-2.00
3/23/2007	68.50	4311.50	0.30
2/8/2008	68.90	4311.10	-0.40
2/3/2009	67.90	4312.10	1.00
2/24/2010	66.90	4313.10	1.00
4/12/2011	68.20	4311.80	-1.30
2/25/2012	67.10	4312.90	1.10
3/8/2013	67.60	4312.40	-0.50
3/20/2014	64.70	4315.30	2.90
2/19/2015	65.61	4314.39	-0.91

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-25 BAMBER, M. R.

Owner: BAMBER, M. R.

Permit #: 593 - RN - **Location #:** SC02904828BBB

USGS Site ID:

Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 NW NW NW 28 29 S 48 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4152286.8 Easting (UTM x): 692804.5
Latitude/Longitude (decimal degrees): 37.497395 -102.818922

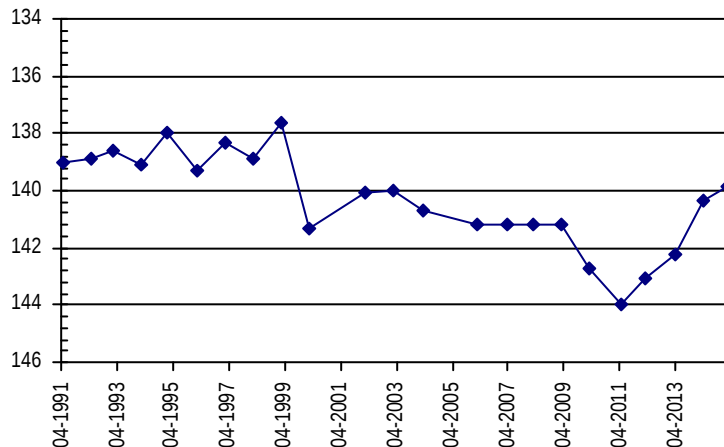
Surface Elevation (ft): 4675 **Top Perforated Interval (ft):** 350 **Base of grout (ft):**
Well depth (ft): 401 **Bottom Perforated Interval (ft):** 401
Aquifer(s): DAKOTA
 CHEYENNE

Water Level Change
1 year: 0.50
5 year: 2.84
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/2006	141.20	4533.80	-0.50
3/24/2007	141.20	4533.80	0.00
2/8/2008	141.20	4533.80	0.00
2/6/2009	141.20	4533.80	0.00
2/24/2010	142.70	4532.30	-1.50
4/13/2011	144.00	4531.00	-1.30
2/25/2012	143.10	4531.90	0.90
3/8/2013	142.20	4532.80	0.90
3/25/2014	140.36	4534.64	1.84
2/19/2015	139.86	4535.14	0.50

All Historic Measurements



Well Name: SHP-26 DILLINGER, ARDEN

Owner: DILLINGER, ARDEN

Permit #: 5472 - FP - **Location #:** SC03004120CBB

USGS Site ID: 372511102042000

Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 SW NW NW 20 30 S 41 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4145393.0 Easting (UTM x): 758955.0
Latitude/Longitude (decimal degrees): 37.419161 -102.073804

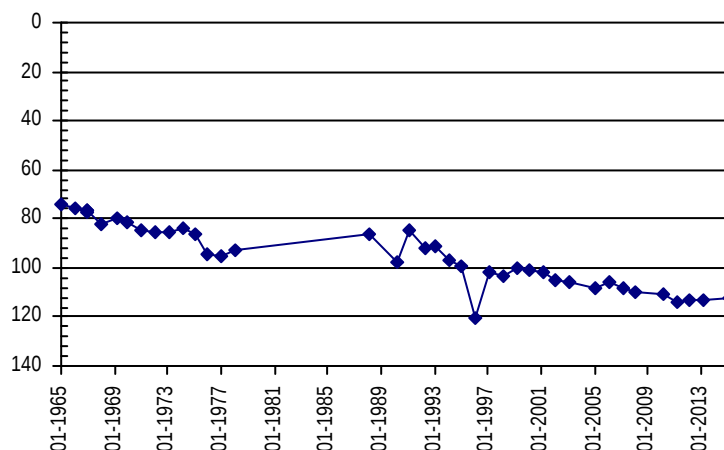
Surface Elevation (ft): 3685.43 **Top Perforated Interval (ft):** **Base of grout (ft):**
Well depth (ft): 150 **Bottom Perforated Interval (ft):**
Aquifer(s): OGALLALA

Water Level Change
1 year:
5 year: -1.06
10 year: -3.86

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2005	108.20	3577.23	-2.10
2/20/2006	106.10	3579.33	2.10
3/23/2007	108.00	3577.43	-1.90
2/4/2008	109.70	3575.73	-1.70
2/7/2009			
2/19/2010	111.00	3574.43	
4/13/2011	114.00	3571.43	-3.00
2/18/2012	113.20	3572.23	0.80
3/2/2013	112.80	3572.63	0.40
3/20/2014			
2/19/2015	112.06	3573.37	

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-27 SPIRITUAL SC. CHURCH

Owner: SPIRITUAL SC. CHURCH

Permit #: 3351 - F - **Location #:** SC03004217DD

USGS Site ID:

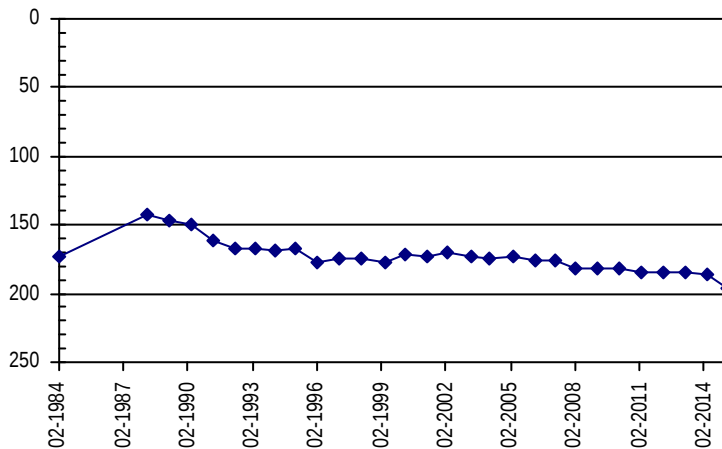
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SE 17 30 S 42 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4146373.2 Easting (UTM x): 749274.4
Latitude/Longitude (decimal degrees): 37.430642 -102.182740

Surface Elevation (ft): 3830 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 393 **Bottom Perforated Interval (ft):** **1 year:** -10.73
Aquifer(s): DAKOTA **5 year:** -13.95
 CHEYENNE **10 year:** -22.85

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/9/2005	173.40	3656.60	0.90
3/4/2006	175.80	3654.20	-2.40
3/31/2007	175.30	3654.70	0.50
2/20/2008	181.00	3649.00	-5.70
2/11/2009	181.50	3648.50	-0.50
2/26/2010	182.30	3647.70	-0.80
2/20/2011	184.00	3646.00	-1.70
3/1/2012	184.70	3645.30	-0.70
3/2/2013	184.50	3645.50	0.20
3/20/2014	185.52	3644.48	-1.02
2/19/2015	196.25	3633.75	-10.73

All Historic Measurements



Well Name: SHP-28 HUME, ROD

Owner: HUME, ROD

Permit #: 19206 - FP - **Location #:** SC03004234BC

USGS Site ID:

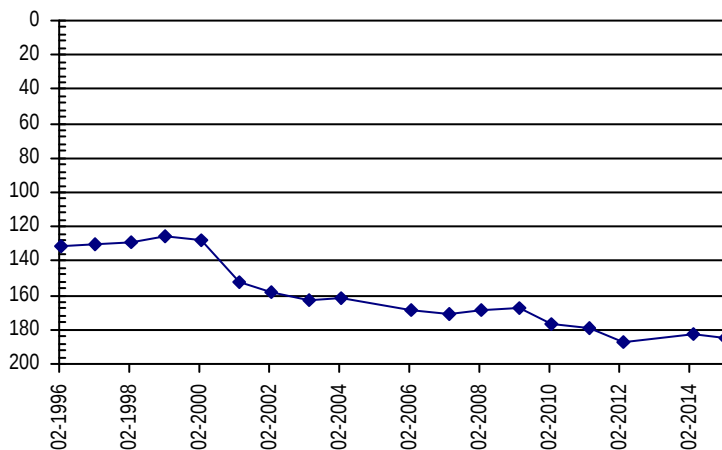
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW SW 34 30 S 42 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4142489.1 Easting (UTM x): 753003.0
Latitude/Longitude (decimal degrees): 37.394663 -102.141978

Surface Elevation (ft): 3780 **Top Perforated Interval (ft):** 222 **Base of grout (ft):** **Water Level Change**
Well depth (ft): 540 **Bottom Perforated Interval (ft):** 540 **1 year:** -2.48
Aquifer(s): CHEYENNE **5 year:** -8.00
 DOCKUM **10 year:**

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/28/2006	169.00	3611.00	-7.50
3/21/2007	170.70	3609.30	-1.70
2/23/2008	168.30	3611.70	2.40
3/8/2009	167.50	3612.50	0.80
2/28/2010	176.50	3603.50	-9.00
3/6/2011	178.50	3601.50	-2.00
3/9/2012	187.50	3592.50	-9.00
3/1/2013			
3/20/2014	182.02	3597.98	
2/19/2015	184.50	3595.50	-2.48

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-29 MUNDELL,J.

Owner: MUNDELL,J.

Permit #: 22678 - -

Location #: SC03004302BCB

USGS Site ID:

Division: 2

Water District: 67

County: BACA

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

NW SW NW 2 30 S 43 W S From N/S line: From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4150213.0 Easting (UTM x): 744405.0

Latitude/Longitude (decimal degrees): 37.466511 -102.236442

Surface Elevation (ft): 3864

Top Perforated Interval (ft):

Base of grout (ft):

Water Level Change

Well depth (ft): 266

Bottom Perforated Interval (ft):

1 year: -0.08

Aquifer(s): DAKOTA

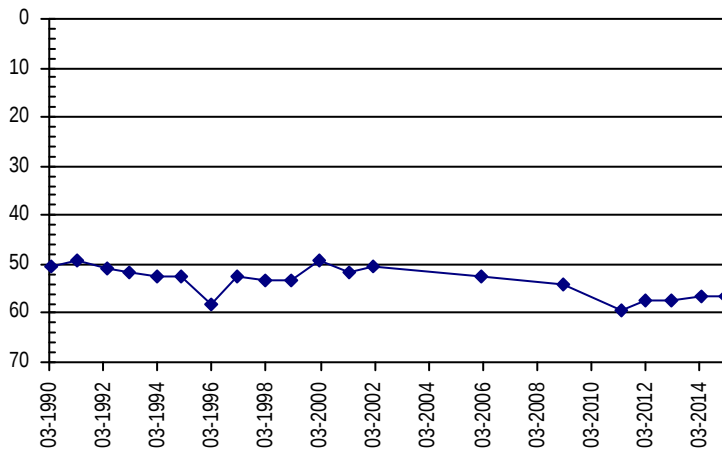
5 year:

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/18/2006	52.60	3811.40	-2.10
3/23/2007			
2/20/2008			
2/7/2009	54.10	3809.90	
2/18/2010			
4/12/2011	59.40	3804.60	
2/18/2012	57.30	3806.70	2.10
2/26/2013	57.50	3806.50	-0.20
3/20/2014	56.59	3807.41	0.91
2/19/2015	56.67	3807.33	-0.08

All Historic Measurements



Well Name: SHP-30 HUME, CHARLES

Owner: HUME, CHARLES

Permit #: 2503 - FP -

Location #: SC03004309BBB

USGS Site ID:

Division: 2

Water District: 67

County: BACA

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

NW NW NW 9 30 S 43 W S From N/S line: From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4148967.2 Easting (UTM x): 741154.7

Latitude/Longitude (decimal degrees): 37.456148 -102.273563

Surface Elevation (ft): 3923

Top Perforated Interval (ft): 200

Base of grout (ft):

Water Level Change

Well depth (ft): 631

Bottom Perforated Interval (ft): 300

1 year:

Aquifer(s): DAKOTA

5 year:

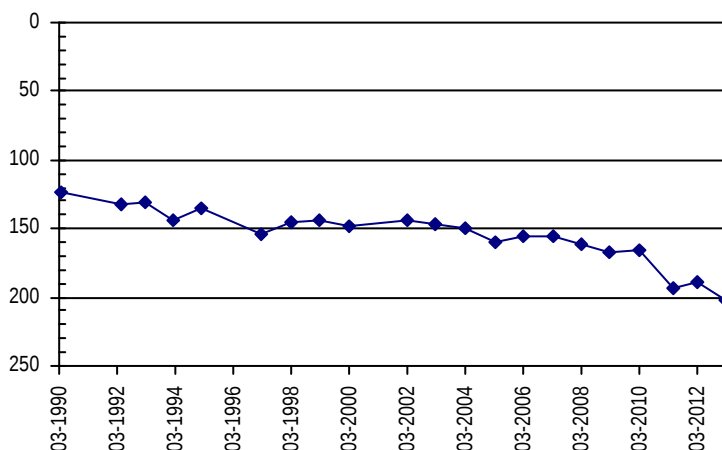
CHEYENNE

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/1/2005	159.70	3763.30	-10.00
2/18/2006	155.60	3767.40	4.10
3/23/2007	155.70	3767.30	-0.10
2/4/2008	161.20	3761.80	-5.50
2/7/2009	166.70	3756.30	-5.50
2/18/2010	165.70	3757.30	1.00
4/12/2011	194.00	3729.00	-28.30
2/8/2012	189.00	3734.00	5.00
2/25/2013	201.50	3721.50	-12.50
3/20/2014			
2/19/2015			

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-31 AUSTIN

Owner: AUSTIN

Permit #: 16982 - FP - Location #: SC03004421BD USGS Site ID:

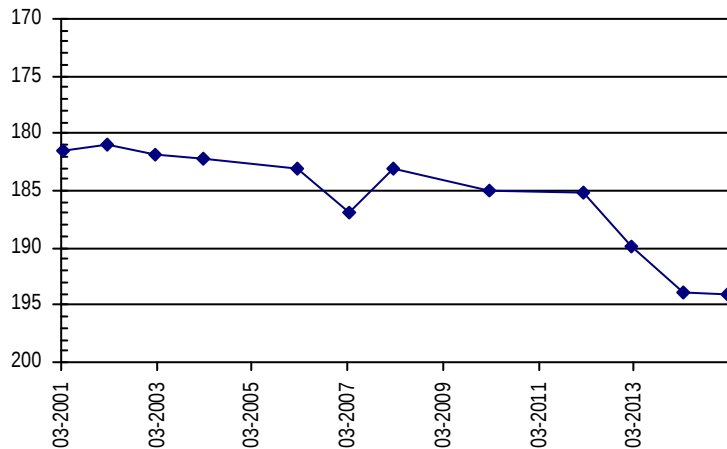
Division: 2 Water District: 67 County: BACA
 Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 NW SE 21 30 S 44 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4145097.4 Easting (UTM x): 732419.0
 Latitude/Longitude (decimal degrees): 37.423540 -102.373449

Surface Elevation (ft): 4050 Top Perforated Interval (ft): Base of grout (ft): **Water Level Change**
 Well depth (ft): 261 Bottom Perforated Interval (ft): **1 year:** -0.22
 Aquifer(s): DAKOTA **5 year:** -9.13
 CHEYENNE **10 year:**

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/2006	183.10	3866.90	-0.90
3/23/2007	187.00	3863.00	-3.90
2/4/2008	183.10	3866.90	3.90
1/1/2009			
2/20/2010	185.00	3865.00	
4/19/2011			
2/18/2012	185.10	3864.90	
2/26/2013	189.80	3860.20	-4.70
3/21/2014	193.91	3856.09	-4.11
2/19/2015	194.13	3855.87	-0.22

All Historic Measurements



Well Name: SHP-32 B & L FARMS

Owner: B & L FARMS

Permit #: 10452 - FP - Location #: SC03004513CCC USGS Site ID:

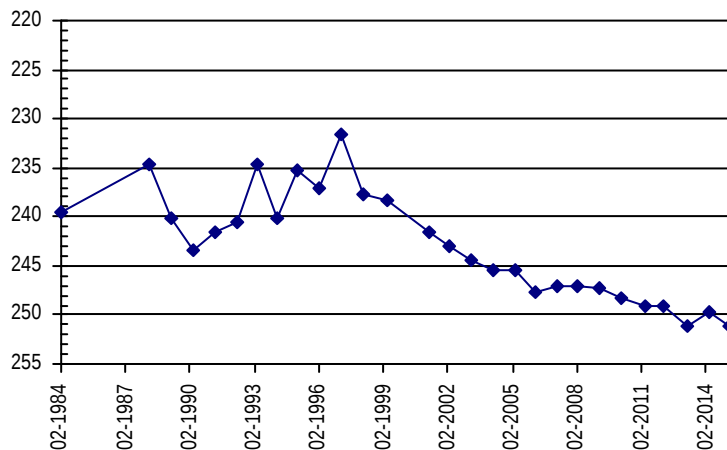
Division: 2 Water District: 67 County: BACA
 Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 SW SW SW 13 30 S 45 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4145432.0 Easting (UTM x): 726810.0
 Latitude/Longitude (decimal degrees): 37.427944 -102.436675

Surface Elevation (ft): 4148 Top Perforated Interval (ft): 260 Base of grout (ft): **Water Level Change**
 Well depth (ft): 330 Bottom Perforated Interval (ft): 330 **1 year:** -1.39
 Aquifer(s): CHEYENNE **5 year:** -2.75
10 year: -5.65

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/2/2005	245.40	3902.60	0.00
2/19/2006	247.70	3900.30	-2.30
3/23/2007	247.00	3901.00	0.70
2/4/2008	247.10	3900.90	-0.10
2/6/2009	247.20	3900.80	-0.10
2/20/2010	248.30	3899.70	-1.10
4/13/2011	249.00	3899.00	-0.70
2/25/2012	249.10	3898.90	-0.10
3/2/2013	251.20	3896.80	-2.10
3/21/2014	249.66	3898.34	1.54
2/19/2015	251.05	3896.95	-1.39

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-33 WARD, H.

Owner: WARD, H.

Permit #: - -

Location #: SC03004625DAB

USGS Site ID:

Division: 2

Water District: 67

County: BACA

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

SE NE NW

25

30 S

46 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4142650.9 Easting (UTM x): 718414.2

Latitude/Longitude (decimal degrees): 37.404918 -102.532301

Surface Elevation (ft): 4238

Top Perforated Interval (ft):

Base of grout (ft):

Water Level Change

Well depth (ft):

Bottom Perforated Interval (ft):

1 year: 3.18

Aquifer(s): DAKOTA

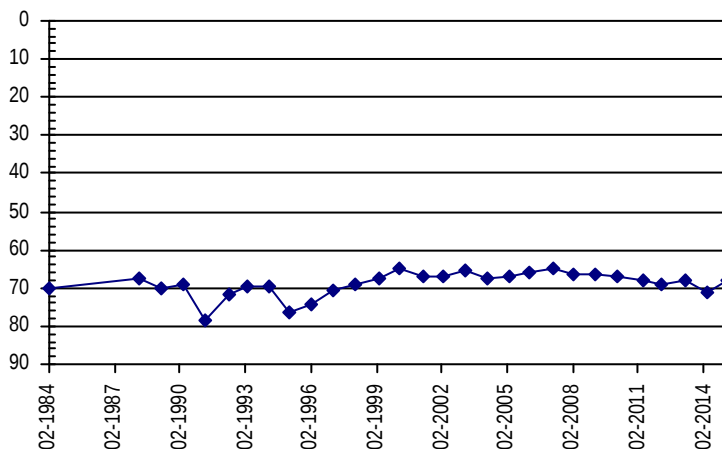
5 year: -1.01

10 year: -0.71

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/2/2005	67.10	4170.90	0.20
2/20/2006	66.00	4172.00	1.10
3/23/2007	65.00	4173.00	1.00
2/8/2008	66.20	4171.80	-1.20
2/9/2009	66.30	4171.70	-0.10
2/20/2010	66.80	4171.20	-0.50
4/12/2011	68.00	4170.00	-1.20
2/24/2012	69.10	4168.90	-1.10
3/8/2013	68.20	4169.80	0.90
3/21/2014	70.99	4167.01	-2.79
2/20/2015	67.81	4170.19	3.18

All Historic Measurements



Well Name: SHP-34 TWN.OF SPRINGFIELD

Owner: TWN.OF SPRINGFIELD

Permit #: 15430 - F -

Location #: SC03004631AC

USGS Site ID:

Division: 2

Water District: 67

County: BACA

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

NE SW

31

30 S

46 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4141093.0 Easting (UTM x): 710072.0

Latitude/Longitude (decimal degrees): 37.392817 -102.626921

Surface Elevation (ft): 4392

Top Perforated Interval (ft): 90

Base of grout (ft):

Water Level Change

Well depth (ft): 203

Bottom Perforated Interval (ft): 203

1 year: -2.46

Aquifer(s): DAKOTA

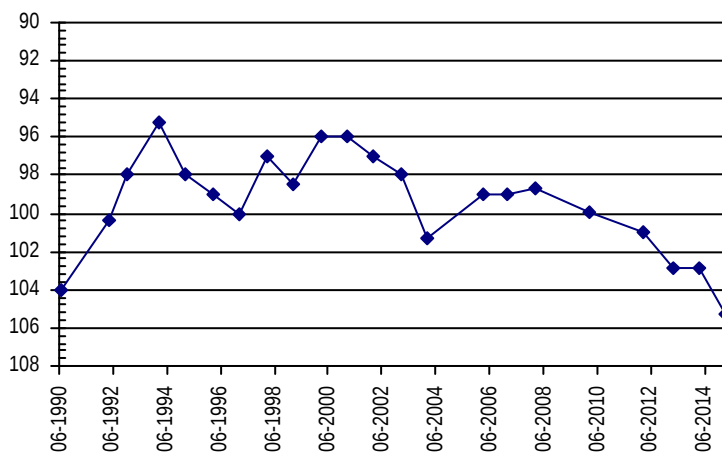
5 year: -5.39

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/1/2006	99.00	4293.00	2.25
1/29/2007	99.00	4293.00	0.00
2/26/2008	98.70	4293.30	0.30
1/1/2009			
2/28/2010	99.90	4292.10	
3/3/2011			
2/25/2012	101.00	4291.00	
3/31/2013	102.90	4289.10	-1.90
3/31/2014	102.83	4289.17	0.07
3/30/2015	105.29	4286.71	-2.46

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-35 MINNICK, W & E

Owner: MINNICK, W & E

Permit #: 11339 - F -

Location #: SC03004827ADD

USGS Site ID:

Division: 2

Water District: 67

County: BACA

Location: Q160 Q40 Q10 Section Twtnshp Range PM

Distance from section lines:

NE SE SE 27 30 S 48 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4142061.0 Easting (UTM x): 696077.0

Latitude/Longitude (decimal degrees): 37.404602 -102.784647

Surface Elevation (ft): 4672 **Top Perforated Interval (ft):**

Base of grout (ft):

Water Level Change

Well depth (ft): 245 **Bottom Perforated Interval (ft):**

1 year: -0.59

Aquifer(s): DAKOTA

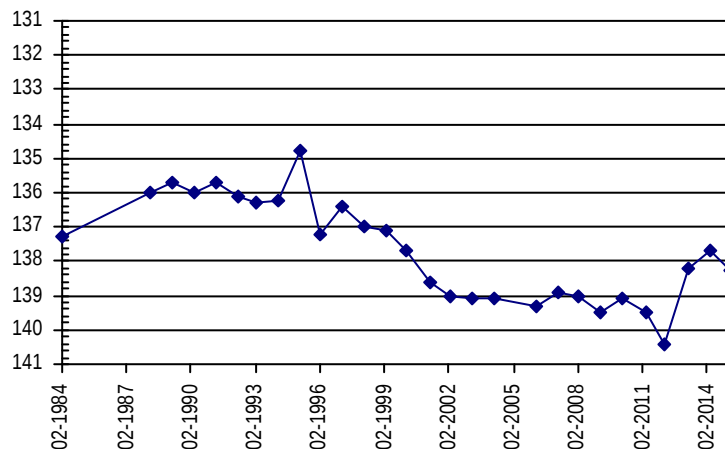
5 year: 0.85

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/20/2006	139.30	4532.70	-0.20
3/24/2007	138.90	4533.10	0.40
2/8/2008	139.00	4533.00	-0.10
2/6/2009	139.50	4532.50	-0.50
2/24/2010	139.10	4532.90	0.40
4/12/2011	139.50	4532.50	-0.40
2/24/2012	140.40	4531.60	-0.90
3/8/2013	138.20	4533.80	2.20
3/25/2014	137.66	4534.34	0.54
2/19/2015	138.25	4533.75	-0.59

All Historic Measurements



Well Name: SHP-36 JESSER, HARVEY

Owner: JESSER, HARVEY

Permit #: 16299 - FP -

Location #: SC03004911CB

USGS Site ID:

Division: 2

Water District: 67

County: BACA

Location: Q160 Q40 Q10 Section Twtnshp Range PM

Distance from section lines:

SW NW 11 30 S 49 W S

From N/S line: 2615 S

From E/W line: 25 W

UTM Coordinates (NAD83): Northing (UTM y) 4146606.0 Easting (UTM x): 686430.0

Latitude/Longitude (decimal degrees): 37.447534 -102.892425

Surface Elevation (ft): 4780 **Top Perforated Interval (ft):**

Base of grout (ft):

Water Level Change

Well depth (ft): 350 **Bottom Perforated Interval (ft):**

1 year: 0.11

Aquifer(s): CHEYENNE

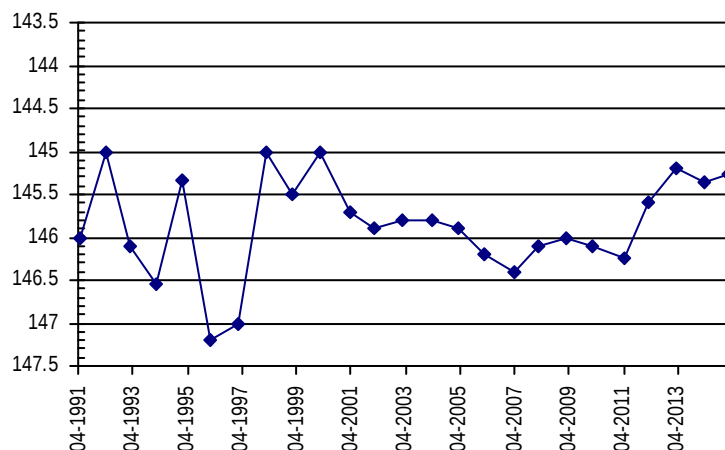
5 year: 0.84

10 year: 0.64

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/3/2005	145.90	4634.10	-0.10
2/20/2006	146.20	4633.80	-0.30
3/24/2007	146.40	4633.60	-0.20
2/8/2008	146.10	4633.90	0.30
2/6/2009	146.00	4634.00	0.10
2/24/2010	146.10	4633.90	-0.10
4/12/2011	146.25	4633.75	-0.15
2/25/2012	145.60	4634.40	0.65
3/8/2013	145.20	4634.80	0.40
3/25/2014	145.37	4634.63	-0.17
2/19/2015	145.26	4634.74	0.11

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-37 C.D.M. TRUST

Owner: C.D.M. TRUST

Permit #: 13002 - RFP -

Location #: SC03104108DD

USGS Site ID:

Division: 2

Water District: 66

County: BACA

Location: Q160 Q40 Q10 Section Twnshp Range PM

Distance from section lines:

SE SE

8

31

S

41

W

S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4138326.8 Easting (UTM x): 760480.4

Latitude/Longitude (decimal degrees): 37.355124 -102.059076

Surface Elevation (ft): 3688

Top Perforated Interval (ft):

Base of grout (ft):

Water Level Change

Well depth (ft): 140

Bottom Perforated Interval (ft):

1 year: -1.77

Aquifer(s): OGALLALA

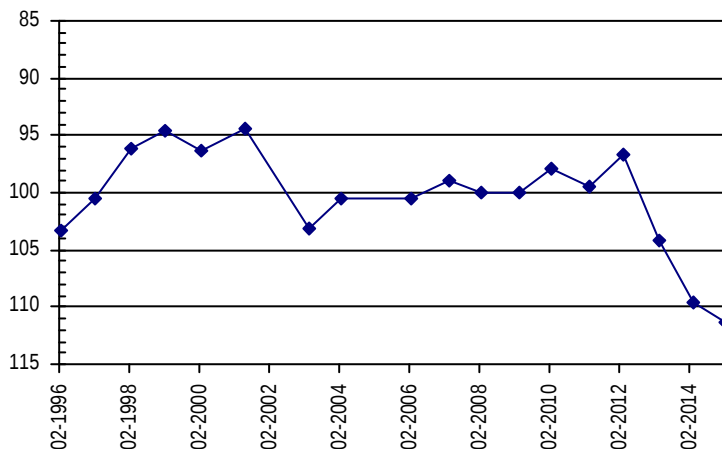
5 year: -13.45

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/28/2006	100.50	3587.50	0.00
3/21/2007	99.00	3589.00	1.50
2/23/2008	100.00	3588.00	-1.00
3/8/2009	100.00	3588.00	0.00
2/28/2010	97.90	3590.10	2.10
3/6/2011	99.40	3588.60	-1.50
3/9/2012	96.60	3591.40	2.80
3/3/2013	104.20	3583.80	-7.60
3/19/2014	109.58	3578.42	-5.38
2/19/2015	111.35	3576.65	-1.77

All Historic Measurements



Well Name: SHP-38 MOORE, JOHN M.

Owner: MOORE, JOHN M.

Permit #: 10290 - FP -

Location #: SC03104230BAA

USGS Site ID:

Division: 2

Water District: 66

County: BACA

Location: Q160 Q40 Q10 Section Twnshp Range PM

Distance from section lines:

NW NE NE

30

31

S

42

W

S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4134494.8 Easting (UTM x): 748112.7

Latitude/Longitude (decimal degrees): 37.324012 -102.199837

Surface Elevation (ft): 3830

Top Perforated Interval (ft): 85

Base of grout (ft):

Water Level Change

Well depth (ft): 380

Bottom Perforated Interval (ft): 380

1 year: -9.86

Aquifer(s): DOCKUM

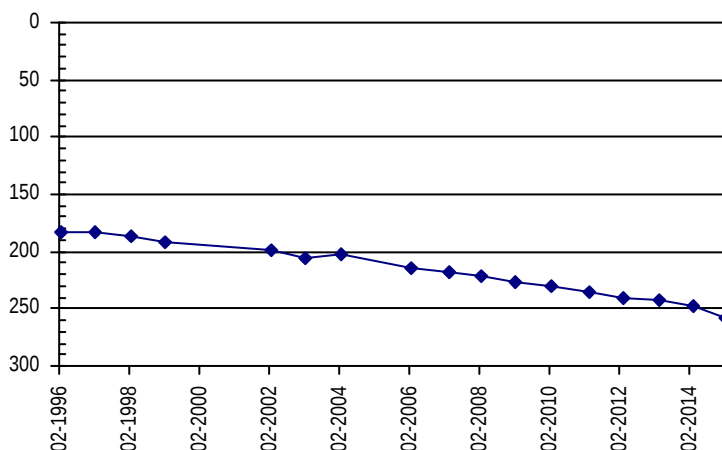
5 year: -27.70

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2006	214.40	3615.60	-11.60
3/3/2007	217.40	3612.60	-3.00
2/22/2008	222.00	3608.00	-4.60
2/16/2009	226.20	3603.80	-4.20
2/16/2010	230.50	3599.50	-4.30
3/6/2011	235.20	3594.80	-4.70
3/10/2012	241.40	3588.60	-6.20
3/2/2013	242.50	3587.50	-1.10
3/19/2014	248.34	3581.66	-5.84
2/18/2015	258.20	3571.80	-9.86

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-39 MEASE, JAMES

Owner: MEASE, JAMES

Permit #: 43852 - FP -

Location #: SC03104231DDC

USGS Site ID:

Division: 2

Water District: 66

County: BACA

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

SE SE SW 31

31 S 42 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4131484.6 Easting (UTM x): 749032.9

Latitude/Longitude (decimal degrees): 37.296665 -102.190473

Surface Elevation (ft): 3820 **Top Perforated Interval (ft):** 252 **Base of grout (ft):**

Well depth (ft): 412 **Bottom Perforated Interval (ft):** 412

Aquifer(s): DOCKUM

Water Level Change

1 year:

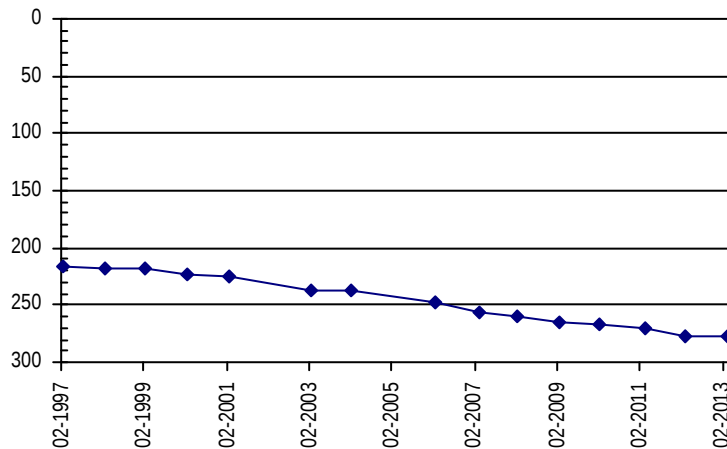
5 year:

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2006	248.30	3571.70	-11.30
3/4/2007	256.30	3563.70	-8.00
2/22/2008	260.30	3559.70	-4.00
2/15/2009	264.50	3555.50	-4.20
2/26/2010	266.50	3553.50	-2.00
3/6/2011	270.30	3549.70	-3.80
3/10/2012	276.60	3543.40	-6.30
3/2/2013	277.80	3542.20	-1.20
3/19/2014			
2/18/2015			

All Historic Measurements



Well Name: SHP-40 MOORE, JOHN

Owner: MOORE, JOHN

Permit #: 10620 - FP -

Location #: SC03104232BDD

USGS Site ID:

Division: 2

Water District: 66

County: BACA

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

NW SE SE 32

31 S 42 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4132131.1 Easting (UTM x): 750135.3

Latitude/Longitude (decimal degrees): 37.302189 -102.177832

Surface Elevation (ft): 3805 **Top Perforated Interval (ft):** 125 **Base of grout (ft):**

Well depth (ft): 410 **Bottom Perforated Interval (ft):** 410

Aquifer(s): DOCKUM

Water Level Change

1 year:

5 year:

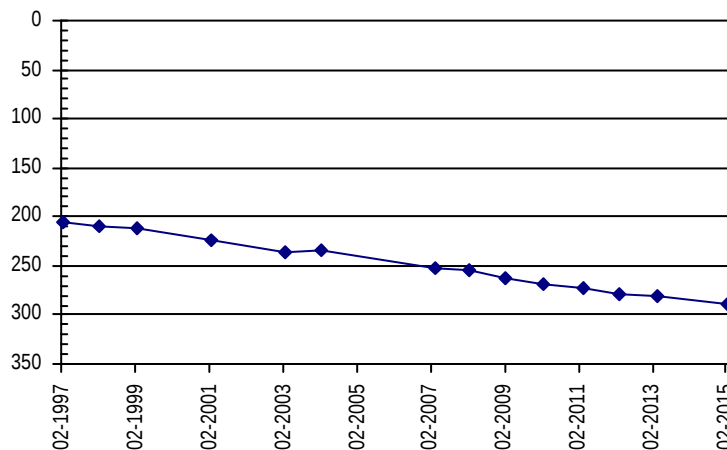
10 year:

-20.70

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2006			
3/4/2007	251.50	3553.50	
2/22/2008	254.00	3551.00	-2.50
2/16/2009	261.70	3543.30	-7.70
2/25/2010	268.00	3537.00	-6.30
3/6/2011	273.10	3531.90	-5.10
3/10/2012	279.50	3525.50	-6.40
3/2/2013	279.80	3525.20	-0.30
3/19/2014			
2/18/2015	288.70	3516.30	

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-41 HOLT

Owner: HOLT

Permit #: 3573 - FP - Location #: SC03104308BC USGS Site ID:

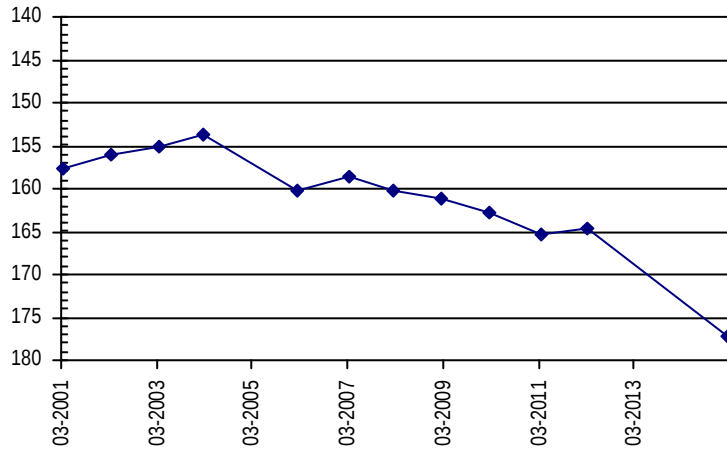
Division: 2 Water District: 66 County: BACA
 Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 NW SW 8 31 S 43 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4138547.0 Easting (UTM x): 739564.5
 Latitude/Longitude (decimal degrees): 37.362741 -102.294902

Surface Elevation (ft): 3960 Top Perforated Interval (ft): Base of grout (ft): **Water Level Change**
 Well depth (ft): 230 Bottom Perforated Interval (ft): **1 year:**
 Aquifer(s): OGALLALA **5 year:** -14.49
 CHEYENNE **10 year:**

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/28/2006	160.30	3799.70	-6.50
3/21/2007	158.50	3801.50	1.80
2/27/2008	160.30	3799.70	-1.80
2/17/2009	161.10	3798.90	-0.80
2/27/2010	162.70	3797.30	-1.60
3/6/2011	165.30	3794.70	-2.60
3/6/2012	164.60	3795.40	0.70
3/2/2013			
3/19/2014			
2/18/2015	177.19	3782.81	

All Historic Measurements



Well Name: SHP-42 BURCHFIELD, W.K.

Owner: BURCHFIELD, W.K.

Permit #: 2529 - FP - Location #: SC03104333BAA USGS Site ID: 371832102160900

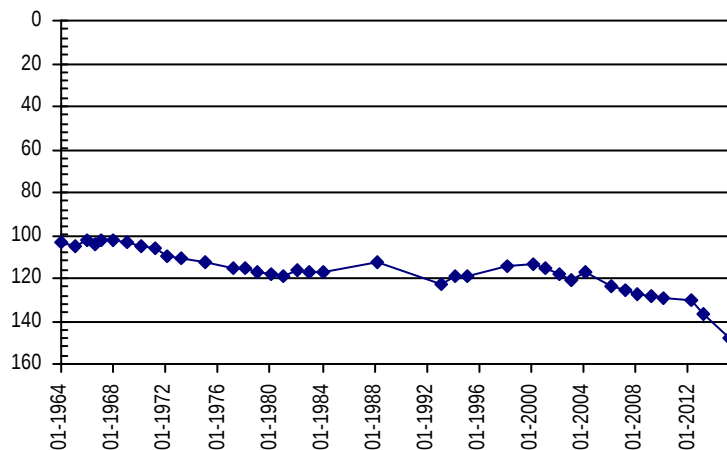
Division: 2 Water District: 66 County: BACA
 Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 NW NE NE 33 31 S 43 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4132678.0 Easting (UTM x): 741975.0
 Latitude/Longitude (decimal degrees): 37.309273 -102.269626

Surface Elevation (ft): 3921.56 Top Perforated Interval (ft): Base of grout (ft): **Water Level Change**
 Well depth (ft): 211 Bottom Perforated Interval (ft): **1 year:**
 Aquifer(s): DAKOTA **5 year:** -18.63
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2006	123.50	3798.06	-6.70
3/21/2007	125.20	3796.36	-1.70
2/22/2008	127.50	3794.06	-2.30
2/15/2009	128.60	3792.96	-1.10
2/27/2010	129.00	3792.56	-0.40
3/6/2011			
3/6/2012	130.00	3791.56	
3/2/2013	136.80	3784.76	-6.80
3/19/2014			
2/18/2015	147.63	3773.93	

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-43 LOFLIN, L

Owner: LOFLIN, L

Permit #: 13835 - RFP -

Location #: SC03104412CC

USGS Site ID:

Division: 2

Water District: 67

County: BACA

Location: Q160 Q40 Q10 Section Twtnshp Range PM

Distance from section lines:

SW SW

12

31

S

44

W

S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4137295.0 Easting (UTM x): 735311.0

Latitude/Longitude (decimal degrees): 37.352556 -102.343281

Surface Elevation (ft): 4031

Top Perforated Interval (ft):

Base of grout (ft):

Water Level Change

Well depth (ft): 219

Bottom Perforated Interval (ft):

1 year: -13.72

Aquifer(s): OGALLALA

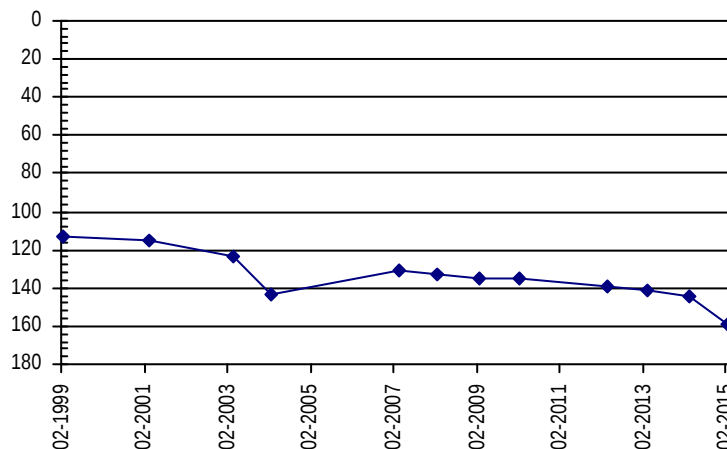
5 year: -23.41

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/28/2006			
3/21/2007	131.20	3899.80	
2/27/2008	133.00	3898.00	-1.80
2/15/2009	134.80	3896.20	-1.80
2/28/2010	135.20	3895.80	-0.40
3/13/2011			
3/6/2012	139.10	3891.90	
3/2/2013	141.80	3889.20	-2.70
3/19/2014	144.89	3886.11	-3.09
2/18/2015	158.61	3872.39	-13.72

All Historic Measurements



Well Name: SHP-44 WILSON, MACK

Owner: WILSON, MACK

Permit #: 2796 - FP -

Location #: SC03104522BA

USGS Site ID:

Division: 2

Water District: 67

County: BACA

Location: Q160 Q40 Q10 Section Twtnshp Range PM

Distance from section lines:

NW NE

22

31

S

45

W

S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4135054.7 Easting (UTM x): 722954.9

Latitude/Longitude (decimal degrees): 37.335432 -102.483332

Surface Elevation (ft): 4188

Top Perforated Interval (ft): 80

Base of grout (ft):

Water Level Change

Well depth (ft): 352

Bottom Perforated Interval (ft): 352

1 year: -0.91

Aquifer(s): OGALLALA

DAKOTA

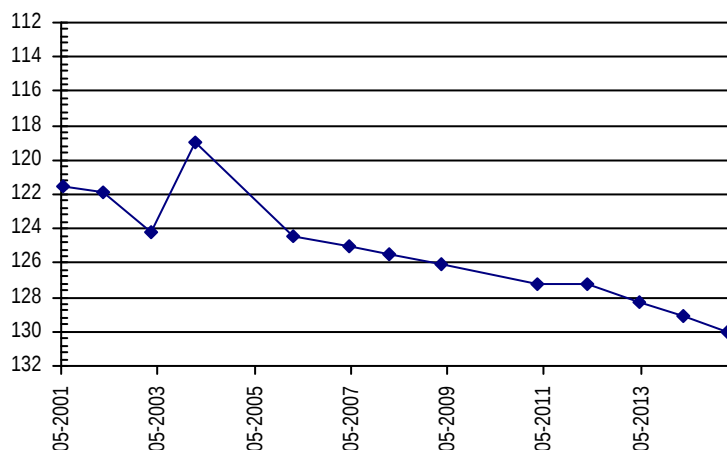
5 year:

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/28/2006	124.40	4063.60	-5.40
4/1/2007	125.00	4063.00	-0.60
2/24/2008	125.50	4062.50	-0.50
3/9/2009	126.10	4061.90	-0.60
1/1/2010			
3/13/2011	127.20	4060.80	
3/15/2012	127.20	4060.80	0.00
4/21/2013	128.30	4059.70	-1.10
3/20/2014	129.07	4058.93	-0.77
2/20/2015	129.98	4058.02	-0.91

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-45 TWN.OF SPRINGFIELD

Owner: TWN.OF SPRINGFIELD

Permit #: 6837 - F - **Location #:** SC03104604BC

USGS Site ID:

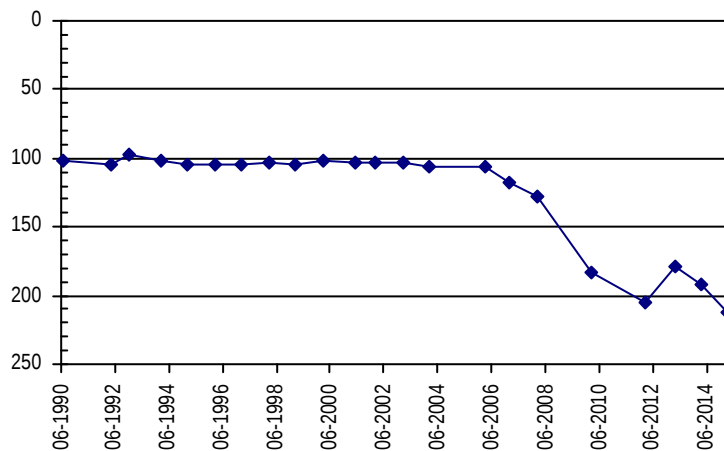
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW SW 4 31 S 46 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4139215.0 Easting (UTM x): 711351.0
Latitude/Longitude (decimal degrees): 37.375613 -102.613021

Surface Elevation (ft): 4403 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 360 **Bottom Perforated Interval (ft):** **1 year:** -21.58
Aquifer(s): OGALLALA **5 year:** -29.15
 DAKOTA **10 year:**

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/1/2006	105.55	4297.45	0.70
1/29/2007	117.30	4285.70	-11.75
2/26/2008	128.20	4274.80	-10.90
1/1/2009			
2/28/2010	183.60	4219.40	
3/3/2011			
2/25/2012	204.70	4198.30	
3/31/2013	178.67	4224.33	26.03
3/31/2014	191.17	4211.83	-12.50
3/30/2015	212.75	4190.25	-21.58

All Historic Measurements



Well Name: SHP-46 HUMPHREY

Owner: HUMPHREY

Permit #: 10685 - F - **Location #:** SC03104632AB

USGS Site ID:

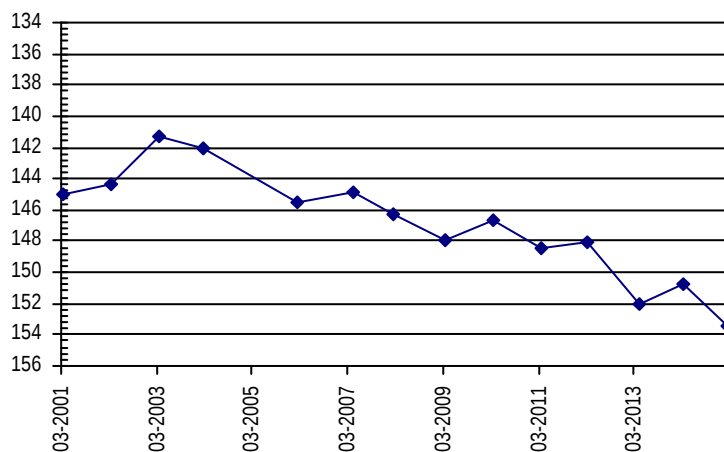
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE NW 32 31 S 46 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4131671.6 Easting (UTM x): 710916.2
Latitude/Longitude (decimal degrees): 37.307775 -102.620073

Surface Elevation (ft): 4432 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 400 **Bottom Perforated Interval (ft):** **1 year:** -2.64
Aquifer(s): DAKOTA **5 year:** -6.70
 CHEYENNE **10 year:**

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2006	145.50	4286.50	-3.40
4/1/2007	144.90	4287.10	0.60
2/24/2008	146.30	4285.70	-1.40
3/9/2009	148.00	4284.00	-1.70
3/12/2010	146.70	4285.30	1.30
3/13/2011	148.40	4283.60	-1.70
3/15/2012	148.10	4283.90	0.30
4/21/2013	152.00	4280.00	-3.90
3/21/2014	150.76	4281.24	1.24
2/18/2015	153.40	4278.60	-2.64

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-47 TROY BISHOP

Owner: TROY BISHOP

Permit #: 19969 - FP - Location #: SC03104714DC

USGS Site ID:

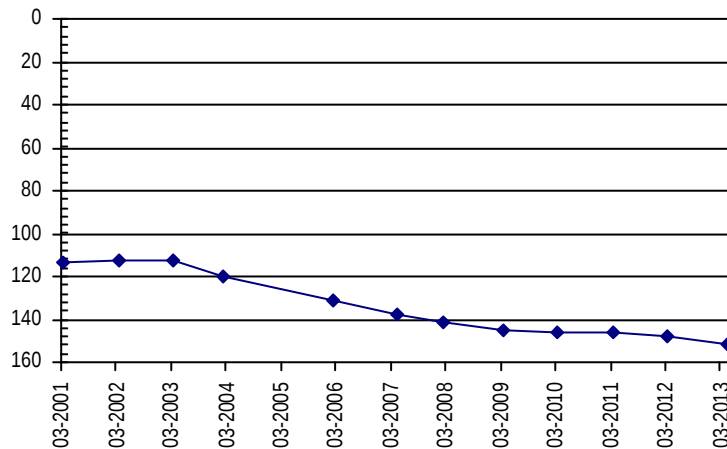
Division: 2 Water District: 66 County: BACA
 Location: Q160 Q40 Q10 Section Twntshp Range PM Distance from section lines:
 SE SW 14 31 S 47 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4134848.0 Easting (UTM x): 705638.0
 Latitude/Longitude (decimal degrees): 37.337566 -102.678706

Surface Elevation (ft): 4590 Top Perforated Interval (ft): Base of grout (ft): **Water Level Change**
 Well depth (ft): 549 Bottom Perforated Interval (ft): **1 year:**
 Aquifer(s): OGALLALA **5 year:**
 DAKOTA **10 year:**

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2006	131.00	4459.00	-10.70
4/1/2007	137.60	4452.40	-6.60
2/24/2008	141.00	4449.00	-3.40
3/9/2009	145.10	4444.90	-4.10
3/12/2010	146.50	4443.50	-1.40
3/12/2011	145.80	4444.20	0.70
3/15/2012	147.60	4442.40	-1.80
4/21/2013	151.40	4438.60	-3.80

All Historic Measurements



Well Name: SHP-48 KIRKENDALL,RBT.

Owner: KIRKENDALL,RBT.

Permit #: 29877 - - Location #: SC03104821CAD

USGS Site ID:

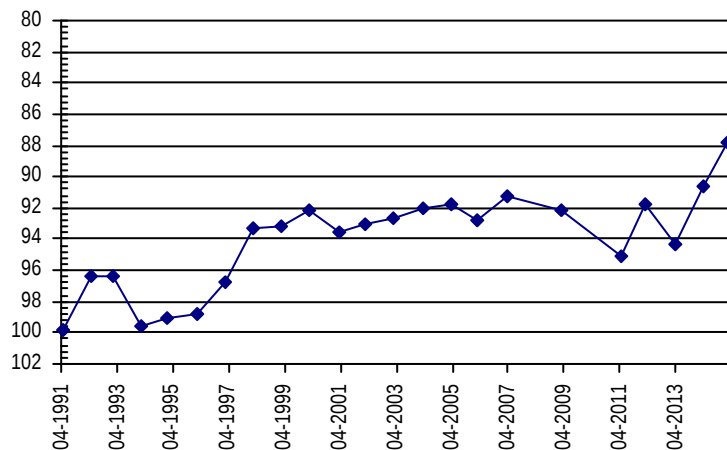
Division: 2 Water District: 66 County: BACA
 Location: Q160 Q40 Q10 Section Twntshp Range PM Distance from section lines:
 SW NE SE 21 31 S 48 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4133361.8 Easting (UTM x): 692752.8
 Latitude/Longitude (decimal degrees): 37.326943 -102.824445

Surface Elevation (ft): 4738 Top Perforated Interval (ft): Base of grout (ft): **Water Level Change**
 Well depth (ft): 245 Bottom Perforated Interval (ft): **1 year:** 2.75
 Aquifer(s): DAKOTA **5 year:**
10 year: 3.97

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/2/2005	91.80	4646.20	0.20
2/20/2006	92.80	4645.20	-1.00
3/24/2007	91.30	4646.70	1.50
2/4/2008			
2/6/2009	92.10	4645.90	
2/24/2010			
4/12/2011	95.10	4642.90	
2/26/2012	91.80	4646.20	3.30
3/8/2013	94.30	4643.70	-2.50
3/25/2014	90.58	4647.42	3.72
2/18/2015	87.83	4650.17	2.75

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-49 US FOREST SERVICE

Owner: US FOREST SERVICE

Permit #: 115543 - -

Location #: SC03105007ACC

USGS Site ID:

Division: 2

Water District: 67

County: BACA

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

NE SW SW 7

31 S

50 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4136465.0 Easting (UTM x): 670348.8

Latitude/Longitude (decimal degrees): 37.359278 -103.076462

Surface Elevation (ft): 5193

Top Perforated Interval (ft):

Base of grout (ft):

Water Level Change

Well depth (ft): 250

Bottom Perforated Interval (ft):

1 year:

Aquifer(s): DAKOTA

CHEYENNE

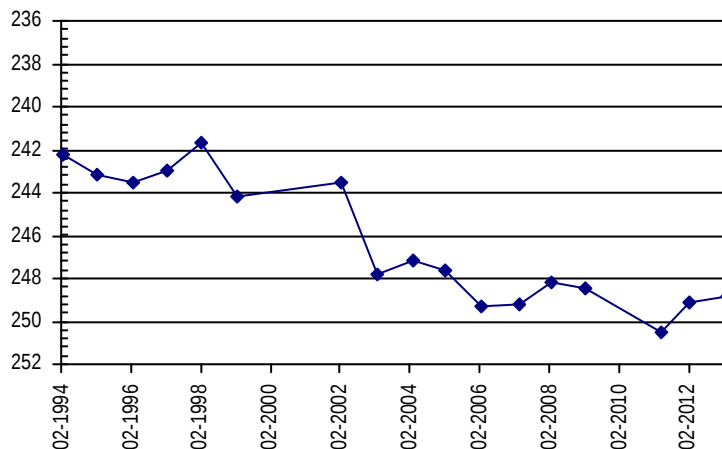
5 year:

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/23/2005	247.60	4945.40	-0.40
2/20/2006	249.30	4943.70	-1.70
3/24/2007	249.20	4943.80	0.10
2/8/2008	248.20	4944.80	1.00
2/6/2009	248.50	4944.50	-0.30
1/1/2010			
4/13/2011	250.50	4942.50	
2/25/2012	249.10	4943.90	1.40
3/8/2013	248.80	4944.20	0.30
3/25/2014			
2/17/2015			

All Historic Measurements



Well Name: SHP-50 HUME,J.

Owner: HUME,J.

Permit #: 16087 - F -

Location #: SC03204105BCC

USGS Site ID:

Division: 2

Water District: 66

County: BACA

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

NW SW SW 5

32 S

41 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4130742.0 Easting (UTM x): 759168.0

Latitude/Longitude (decimal degrees): 37.287211 -102.076523

Surface Elevation (ft): 3692

Top Perforated Interval (ft):

Base of grout (ft):

Water Level Change

Well depth (ft): 500

Bottom Perforated Interval (ft):

1 year:

Aquifer(s): OGALLALA

DOCKUM

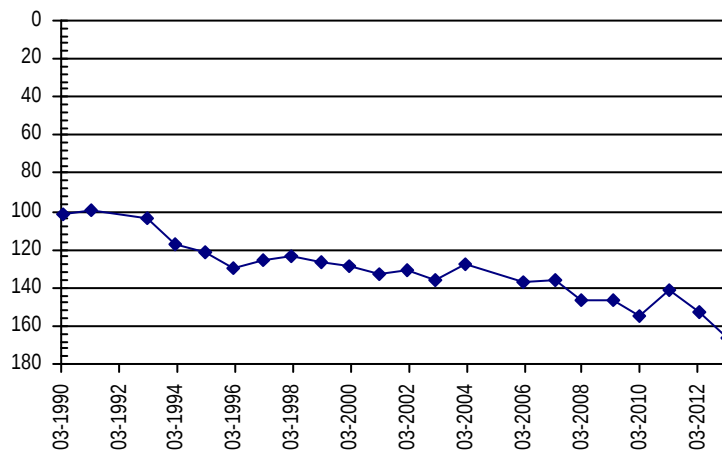
5 year:

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2006	137.50	3554.50	-10.00
3/21/2007	136.50	3555.50	1.00
2/22/2008	146.00	3546.00	-9.50
3/3/2009	147.00	3545.00	-1.00
2/26/2010	154.50	3537.50	-7.50
3/6/2011	141.20	3550.80	13.30
3/6/2012	152.60	3539.40	-11.40
3/3/2013	166.90	3525.10	-14.30

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-51 CECIL TRAHERN

Owner: CECIL TRAHERN

Permit #: 18035 - FP - **Location #:** SC03204204CD

USGS Site ID:

Division: 2

Water District: 66

County: BACA

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

SW SE

4

32

S

42

W

S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4130102.0 Easting (UTM x): 751649.0

Latitude/Longitude (decimal degrees): 37.283513 -102.161460

Surface Elevation (ft): 4100 **Top Perforated Interval (ft):** 200 **Base of grout (ft):**

Well depth (ft): 424 **Bottom Perforated Interval (ft):**

Aquifer(s): DOCKUM

Water Level Change

1 year: 0.22

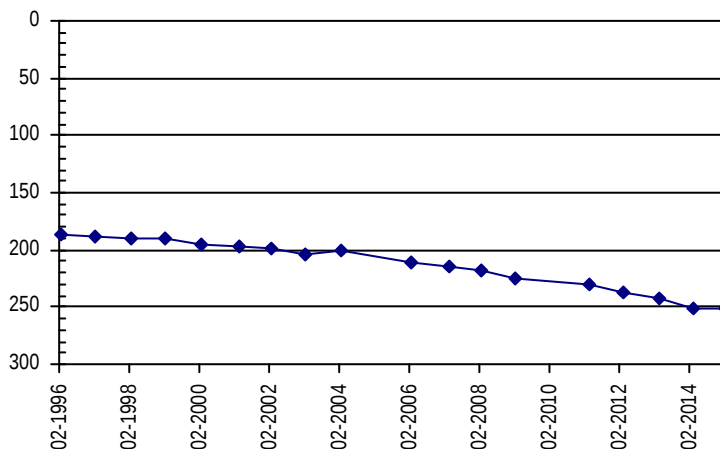
5 year:

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2006	211.20	3888.80	-10.20
3/3/2007	215.20	3884.80	-4.00
2/22/2008	218.50	3881.50	-3.30
2/16/2009	225.00	3875.00	-6.50
1/1/2010			
3/6/2011	229.50	3870.50	
3/6/2012	237.00	3863.00	-7.50
3/2/2013	243.20	3856.80	-6.20
3/19/2014	251.01	3848.99	-7.81
2/18/2015	250.79	3849.21	0.22

All Historic Measurements



Well Name: SHP-52 BILL WRIGHT

Owner: BILL WRIGHT

Permit #: 17021 - FP - **Location #:** SC03204207CB

USGS Site ID:

Division: 2

Water District: 66

County: BACA

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

SW NW

7

32

S

42

W

S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4128417.4 Easting (UTM x): 748283.0

Latitude/Longitude (decimal degrees): 37.269251 -102.199948

Surface Elevation (ft): 3828 **Top Perforated Interval (ft):** **Base of grout (ft):**

Well depth (ft): 478 **Bottom Perforated Interval (ft):**

Aquifer(s): OGALLALA

DOCKUM

Water Level Change

1 year:

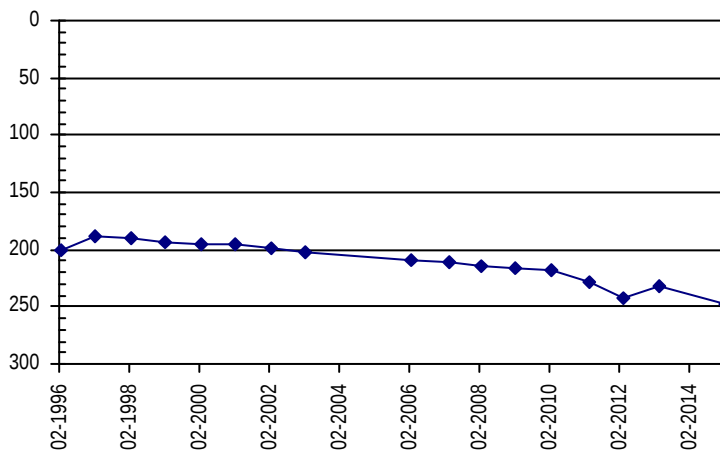
5 year: -29.32

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2006	208.60	3619.40	-6.60
3/4/2007	210.80	3617.20	-2.20
2/22/2008	214.40	3613.60	-3.60
2/16/2009	216.80	3611.20	-2.40
2/26/2010	218.00	3610.00	-1.20
3/6/2011	228.70	3599.30	-10.70
3/10/2012	242.00	3586.00	-13.30
3/2/2013	232.70	3595.30	9.30
3/19/2014			
2/18/2015	247.32	3580.68	

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-53 HUME, CHESNA

Owner: HUME, CHESNA

Permit #: 13925 - FP -

Location #: SC03204235DCB

USGS Site ID:

Division: 2

Water District: 66

County: BACA

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

SE SW NW 35

32 S 42 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4122099.0 Easting (UTM x): 755374.0

Latitude/Longitude (decimal degrees): 37.210451 -102.122234

Surface Elevation (ft): 3759 **Top Perforated Interval (ft):** 81 **Base of grout (ft):**

Well depth (ft): 408 **Bottom Perforated Interval (ft):** 408

Aquifer(s): OGALLALA

DAKOTA

Water Level Change

1 year: 3.82

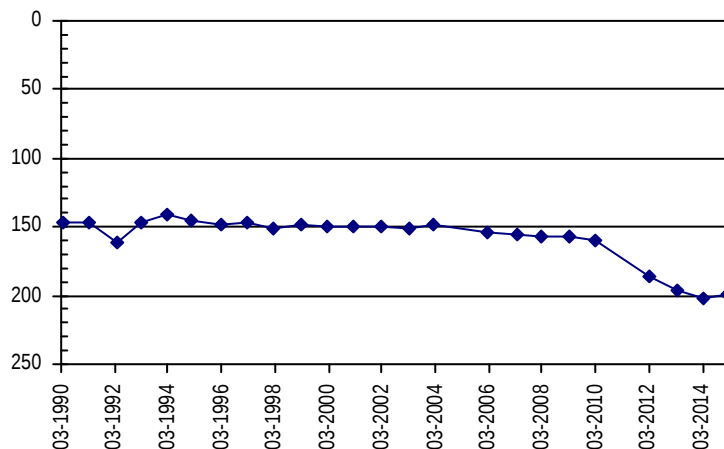
5 year: -39.64

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2006	154.70	3604.30	-6.40
3/22/2007	154.90	3604.10	-0.20
2/22/2008	156.90	3602.10	-2.00
3/8/2009	157.30	3601.70	-0.40
2/26/2010	159.30	3599.70	-2.00
3/6/2011			
3/9/2012	185.50	3573.50	
3/3/2013	195.70	3563.30	-10.20
3/19/2014	202.76	3556.24	-7.06
2/18/2015	198.94	3560.06	3.82

All Historic Measurements



Well Name: SHP-54 WRIGHT, WM. F.& FERN

Owner: WRIGHT, WM. F.& FERN

Permit #: 15349 - F -

Location #: SC03204301AC

USGS Site ID:

Division: 2

Water District: 66

County: BACA

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

NE SW 1

32 S 43 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4130808.6 Easting (UTM x): 747033.2

Latitude/Longitude (decimal degrees): 37.291112 -102.213233

Surface Elevation (ft): 3838 **Top Perforated Interval (ft):** **Base of grout (ft):**

Well depth (ft): 436 **Bottom Perforated Interval (ft):**

Aquifer(s): DOCKUM

ALL UNNAMED AQUIFERS

Water Level Change

1 year: 1.89

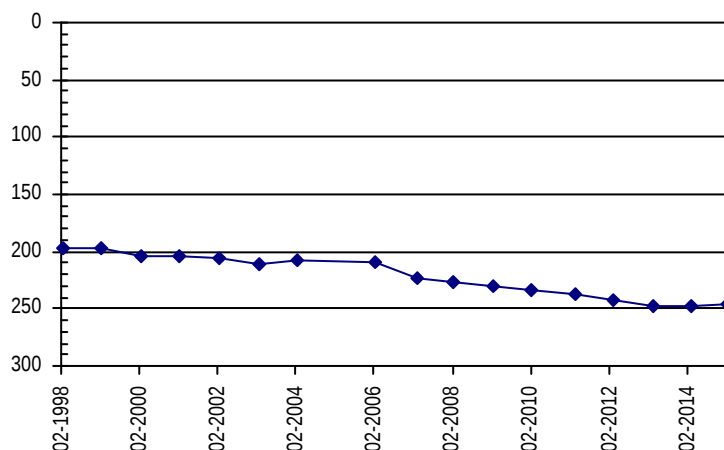
5 year: -12.14

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2006	208.60	3629.40	-0.70
3/4/2007	223.30	3614.70	-14.70
2/22/2008	226.30	3611.70	-3.00
2/15/2009	229.50	3608.50	-3.20
2/26/2010	233.00	3605.00	-3.50
3/5/2011	236.50	3601.50	-3.50
3/10/2012	242.00	3596.00	-5.50
3/2/2013	248.00	3590.00	-6.00
3/19/2014	247.03	3590.97	0.97
2/18/2015	245.14	3592.86	1.89

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-55 JIM BURHN

Owner: JIM BURHN

Permit #: 20402 - FP -

Location #: SC03204312CDC

USGS Site ID:

Division: 2

Water District: 66

County: BACA

Location: Q160 Q40 Q10 Section Twntshp Range PM

Distance from section lines:

SW SE SW 12

32 S

43 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y)

4127988.5

Easting (UTM x):

746763.9

Latitude/Longitude (decimal degrees):

37.265793

-102.217203

Surface Elevation (ft): 3838

Top Perforated Interval (ft):

Base of grout (ft):

Water Level Change

Well depth (ft): 555

Bottom Perforated Interval (ft):

1 year:

Aquifer(s): DOCKUM

ALL UNNAMED AQUIFERS

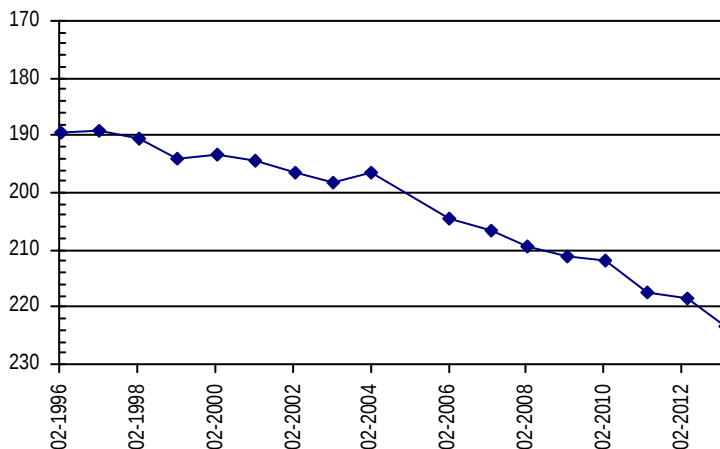
5 year:

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2006	204.70	3633.30	-8.20
3/4/2007	206.70	3631.30	-2.00
2/22/2008	209.50	3628.50	-2.80
2/16/2009	211.00	3627.00	-1.50
2/26/2010	212.00	3626.00	-1.00
3/6/2011	217.50	3620.50	-5.50
3/10/2012	218.50	3619.50	-1.00
3/2/2013	223.50	3614.50	-5.00
3/19/2014			
2/18/2015			

All Historic Measurements



Well Name: SHP-56 COGBURN-HARDY FARMS

Owner: COGBURN-HARDY FARMS

Permit #: 14074 - RFP -

Location #: SC03204407DCC

USGS Site ID:

Division: 2

Water District: 66

County: BACA

Location: Q160 Q40 Q10 Section Twntshp Range PM

Distance from section lines:

SE SW SW 7

32 S

44 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y)

4127511.6

Easting (UTM x):

729647.0

Latitude/Longitude (decimal degrees):

37.265878

-102.410194

Surface Elevation (ft): 4167

Top Perforated Interval (ft):

Base of grout (ft):

Water Level Change

Well depth (ft): 220

Bottom Perforated Interval (ft):

1 year: -6.25

Aquifer(s): OGALLALA

CHEYENNE

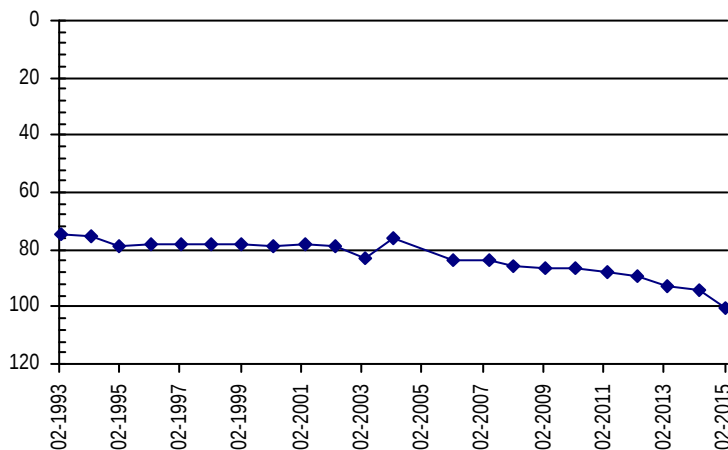
5 year: -13.86

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2006	83.50	4083.50	-7.50
4/1/2007	83.50	4083.50	0.00
2/24/2008	85.80	4081.20	-2.30
2/15/2009	86.50	4080.50	-0.70
2/28/2010	86.80	4080.20	-0.30
3/12/2011	88.20	4078.80	-1.40
3/19/2012	89.40	4077.60	-1.20
3/2/2013	92.50	4074.50	-3.10
3/20/2014	94.41	4072.59	-1.91
2/19/2015	100.66	4066.34	-6.25

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-57 TURNER

Owner: TURNER

Permit #: 10704 - FP - Location #: SC03204512CCC USGS Site ID:

Division: 2 Water District: 66 County: BACA
 Location: Q160 Q40 Q10 Section Twntshp Range PM Distance from section lines:
 SW SW SW 12 32 S 45 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4127430.0 Easting (UTM x): 726918.0
 Latitude/Longitude (decimal degrees): 37.265812 -102.440966

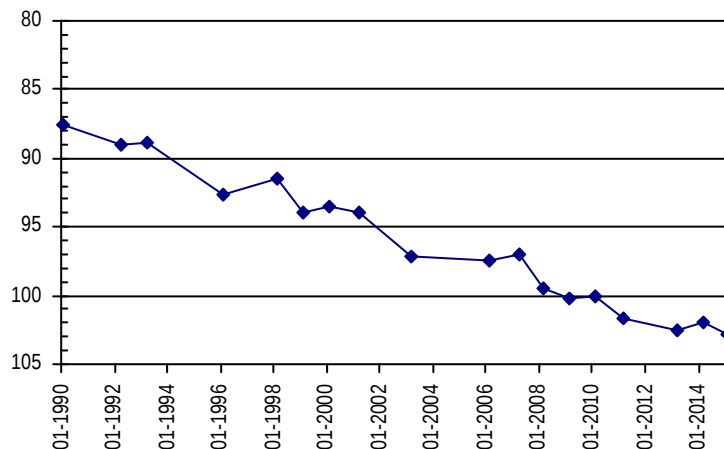
Surface Elevation (ft): 4180 Top Perforated Interval (ft): Base of grout (ft):
 Well depth (ft): 180 Bottom Perforated Interval (ft):
 Aquifer(s): OGALLALA

Water Level Change
1 year: -0.88
5 year: -2.80
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2006	97.50	4082.50	-0.40
4/1/2007	97.00	4083.00	0.50
2/24/2008	99.50	4080.50	-2.50
2/15/2009	100.20	4079.80	-0.70
2/28/2010	100.00	4080.00	0.20
3/12/2011	101.60	4078.40	-1.60
3/19/2012			
3/3/2013	102.50	4077.50	
3/20/2014	101.92	4078.08	0.58
2/19/2015	102.80	4077.20	-0.88

All Historic Measurements



Well Name: SHP-58 HUME, TIM

Owner: HUME, TIM

Permit #: 17551 - - Location #: SC03204513BCB USGS Site ID:

Division: 2 Water District: 66 County: BACA
 Location: Q160 Q40 Q10 Section Twntshp Range PM Distance from section lines:
 NW SW NW 13 32 S 45 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4126823.6 Easting (UTM x): 726926.9
 Latitude/Longitude (decimal degrees): 37.260349 -102.441051

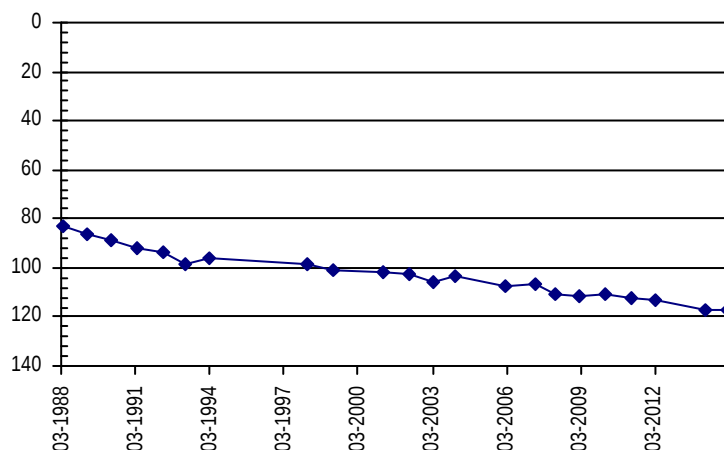
Surface Elevation (ft): 4221 Top Perforated Interval (ft): Base of grout (ft):
 Well depth (ft): 140 Bottom Perforated Interval (ft):
 Aquifer(s): OGALLALA

Water Level Change
1 year: -0.72
5 year: -6.55
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2006	107.30	4113.70	-4.30
4/1/2007	106.50	4114.50	0.80
2/24/2008	110.50	4110.50	-4.00
2/15/2009	111.70	4109.30	-1.20
2/28/2010	111.00	4110.00	0.70
3/12/2011	112.60	4108.40	-1.60
3/19/2012	113.40	4107.60	-0.80
3/2/2013			
3/20/2014	116.83	4104.17	
2/19/2015	117.55	4103.45	-0.72

All Historic Measurements



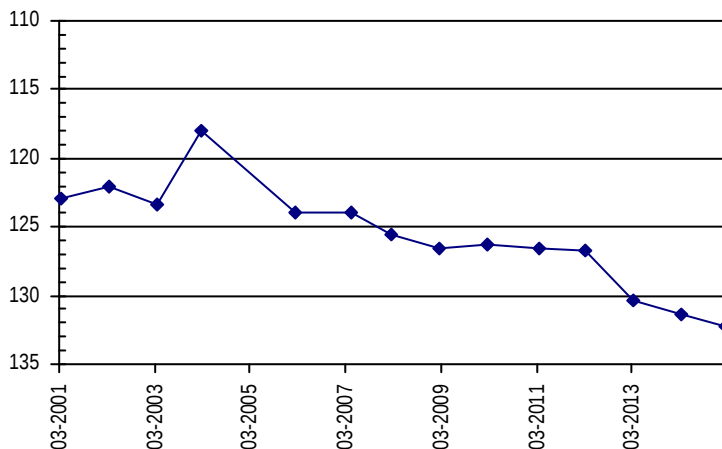
SOUTHERN HIGH PLAINS

Well Name:	SHP-59 LMS							Owner:	LMS	
Permit #:	5344 - F -			Location #: SC03204519CC				USGS Site ID:		
Division:	2			Water District: 66			County: BACA			
Location:	Q160	Q40	Q10	Section	Twnshp	Range	PM	Distance from section lines:		
	SW	SW		19	32 S	45	W S	From N/S line:		From E/W line:
UTM Coordinates (NAD83):	Northing (UTM y)			4123923.6			Easting (UTM x):		718321.8	
Latitude/Longitude (decimal degrees):				37.236290			-102.538853			
Surface Elevation (ft):	4320		Top Perforated Interval (ft):				Base of grout (ft):		Water Level Change	
Well depth (ft):	220		Bottom Perforated Interval (ft):						1 year:	-0.91
Aquifer(s):	OGALLALA								5 year:	-6.01
	Kdp								10 year:	

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2006	124.00	4196.00	-6.00
4/1/2007	124.00	4196.00	0.00
2/24/2008	125.50	4194.50	-1.50
2/14/2009	126.50	4193.50	-1.00
2/28/2010	126.30	4193.70	0.20
3/10/2011	126.50	4193.50	-0.20
3/19/2012	126.70	4193.30	-0.20
3/2/2013	130.30	4189.70	-3.60
3/21/2014	131.40	4188.60	-1.10
2/19/2015	132.31	4187.69	-0.91

All Historic Measurements

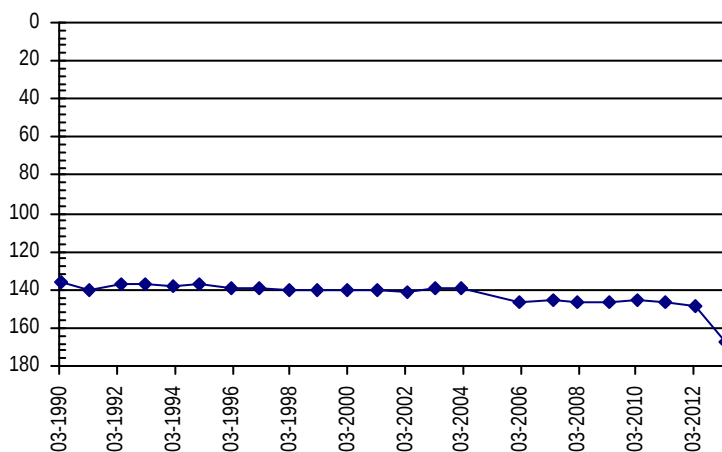


Well Name:	SHP-60 CRANE, W.							Owner:	CRANE, W.						
Permit #:	12825 - FP -			Location #:					SC03204609AAD			USGS Site ID:			
Division:	2			Water District:					66			County: BACA			
Location:	Q160	Q40	Q10	Section	Twnshp	Range	PM	Distance from section lines:							
	NE	NE	SE	9	32 S	46	W S	From N/S line:			From E/W line:				
UTM Coordinates (NAD83):	Northing (UTM y)				4128197.7		Easting (UTM x):		713026.8						
Latitude/Longitude (decimal degrees):					37.276007				-102.597272						
Surface Elevation (ft):	4404		Top Perforated Interval (ft):					Base of grout (ft):					Water Level Change		
Well depth (ft):	400		Bottom Perforated Interval (ft):										1 year:		
Aquifer(s):	DAKOTA												5 year:		
	CHEYENNE												10 year:		

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2006	146.20	4257.80	-7.20
4/1/2007	145.20	4258.80	1.00
2/24/2008	146.00	4258.00	-0.80
3/9/2009	147.00	4257.00	-1.00
3/12/2010	145.30	4258.70	1.70
3/5/2011	146.60	4257.40	-1.30
3/15/2012	148.20	4255.80	-1.60
4/21/2013	167.50	4236.50	-19.30
3/20/2014			
2/19/2015			

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-61 SC03204732CD

Owner:

Permit #: - - **Location #:** SC03204732AC

USGS Site ID:

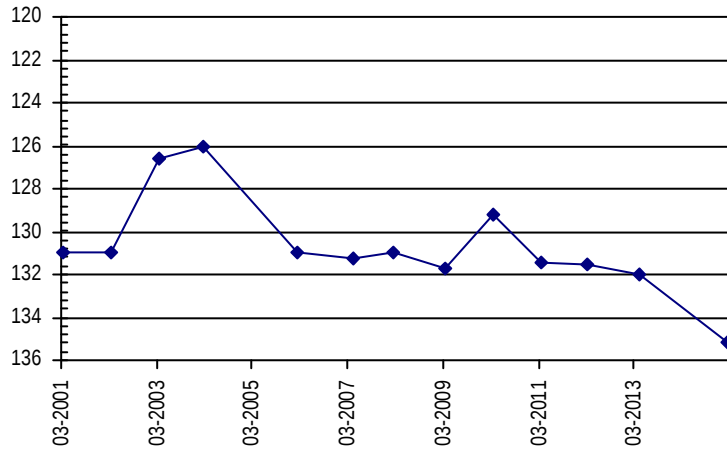
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE SW 32 32 S 47 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4121354.3 Easting (UTM x): 701199.0
Latitude/Longitude (decimal degrees): 37.217002 -102.732429

Surface Elevation (ft): **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 270 **Bottom Perforated Interval (ft):** **1 year:**
Aquifer(s): DAKOTA **5 year:** -5.94
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2006	131.00		-5.00
4/1/2007	131.30		-0.30
2/24/2008	131.00		0.30
3/9/2009	131.70		-0.70
3/12/2010	129.20		2.50
3/5/2011	131.40		-2.20
3/15/2012	131.50		-0.10
4/21/2013	132.00		-0.50
3/26/2014			
2/18/2015	135.14		

All Historic Measurements



Well Name: SHP-62 ARDEN COGBURN

Owner: ARDEN COGBURN

Permit #: 13292 - FP - **Location #:** SC03304212CBB

USGS Site ID:

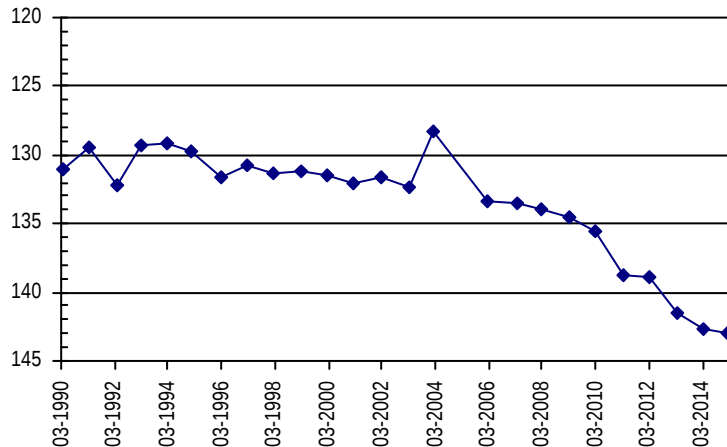
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW NW NW 12 33 S 42 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4119209.6 Easting (UTM x): 756273.4
Latitude/Longitude (decimal degrees): 37.184192 -102.113102

Surface Elevation (ft): 3755 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 407 **Bottom Perforated Interval (ft):** **1 year:** -0.25
Aquifer(s): OGALLALA **5 year:** -7.44
 DOCKUM **10 year:**

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2006	133.40	3621.60	-5.10
3/22/2007	133.50	3621.50	-0.10
2/22/2008	134.00	3621.00	-0.50
3/8/2009	134.60	3620.40	-0.60
2/26/2010	135.50	3619.50	-0.90
3/6/2011	138.70	3616.30	-3.20
3/9/2012	138.90	3616.10	-0.20
3/3/2013	141.50	3613.50	-2.60
3/19/2014	142.69	3612.31	-1.19
2/18/2015	142.94	3612.06	-0.25

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-63 MIDWAY TRUST

Owner: MIDWAY TRUST

Permit #: 21235 - FP - Location #: SC03304313DC

USGS Site ID:

Division: 2 Water District: 66 County: BACA
 Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 SE SW 13 33 S 43 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4116841.5 Easting (UTM x): 747450.3
 Latitude/Longitude (decimal degrees): 37.165250 -102.213168

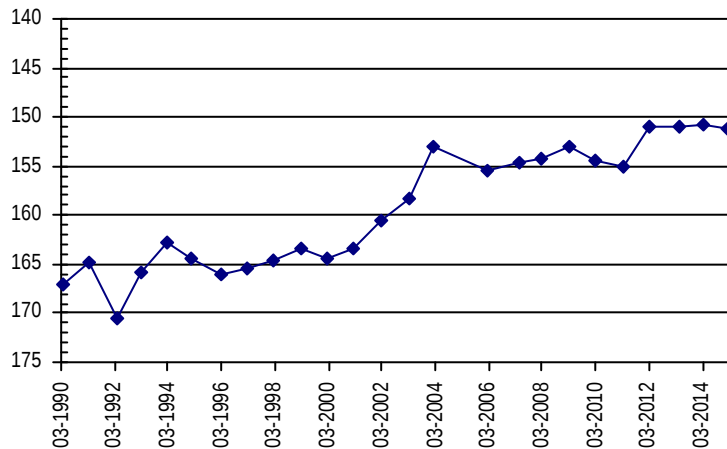
Surface Elevation (ft): 3880 Top Perforated Interval (ft): Base of grout (ft):
 Well depth (ft): 420 Bottom Perforated Interval (ft):
 Aquifer(s): DOCKUM

Water Level Change
1 year: -0.32
5 year: 3.32
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2006	155.40	3724.60	-2.40
4/1/2007	154.60	3725.40	0.80
2/26/2008	154.20	3725.80	0.40
3/8/2009	153.00	3727.00	1.20
2/27/2010	154.50	3725.50	-1.50
3/12/2011	155.00	3725.00	-0.50
3/19/2012	151.00	3729.00	4.00
4/20/2013	150.90	3729.10	0.10
3/26/2014	150.86	3729.14	0.04
2/18/2015	151.18	3728.82	-0.32

All Historic Measurements



Well Name: SHP-64 STAFFORD BROS.

Owner: STAFFORD BROS.

Permit #: 11026 - FP - Location #: SC03304319DA

USGS Site ID:

Division: 2 Water District: 66 County: BACA
 Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 SE NE 19 33 S 43 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4115647.5 Easting (UTM x): 740212.2
 Latitude/Longitude (decimal degrees): 37.156387 -102.294984

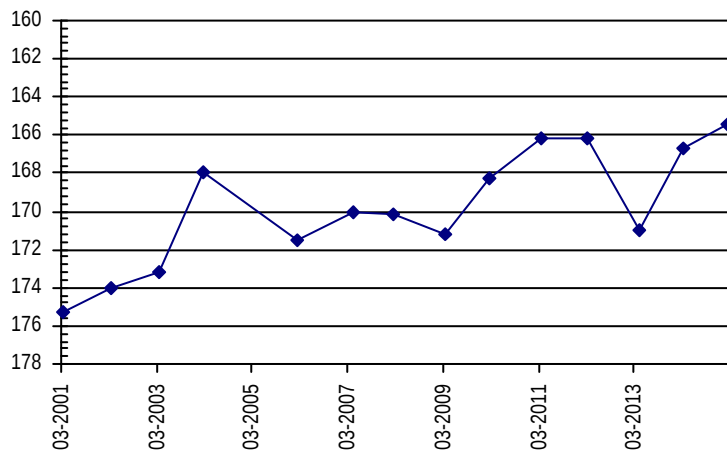
Surface Elevation (ft): 3985 Top Perforated Interval (ft): Base of grout (ft):
 Well depth (ft): 260 Bottom Perforated Interval (ft):
 Aquifer(s): DAKOTA

Water Level Change
1 year: 1.22
5 year: 2.85
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/25/2006	171.50	3813.50	-3.50
4/1/2007	170.00	3815.00	1.50
2/23/2008	170.20	3814.80	-0.20
3/9/2009	171.20	3813.80	-1.00
2/27/2010	168.30	3816.70	2.90
3/6/2011	166.20	3818.80	2.10
3/19/2012	166.20	3818.80	0.00
4/21/2013	171.00	3814.00	-4.80
3/26/2014	166.67	3818.33	4.33
2/18/2015	165.45	3819.55	1.22

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-65 U.S.FOREST SERVICE

Owner: U.S.FOREST SERVICE

Permit #: 128624 - -

Location #: SC03304417CBA

USGS Site ID:

Division: 2

Water District: 66

County: BACA

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

SW NW NE 17

33 S 44 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4116908.5 Easting (UTM x): 729723.0

Latitude/Longitude (decimal degrees): 37.170379 -102.412603

Surface Elevation (ft): 4130 **Top Perforated Interval (ft):**

Base of grout (ft):

Water Level Change

Well depth (ft): 240 **Bottom Perforated Interval (ft):**

1 year: 4.15

Aquifer(s): DAKOTA

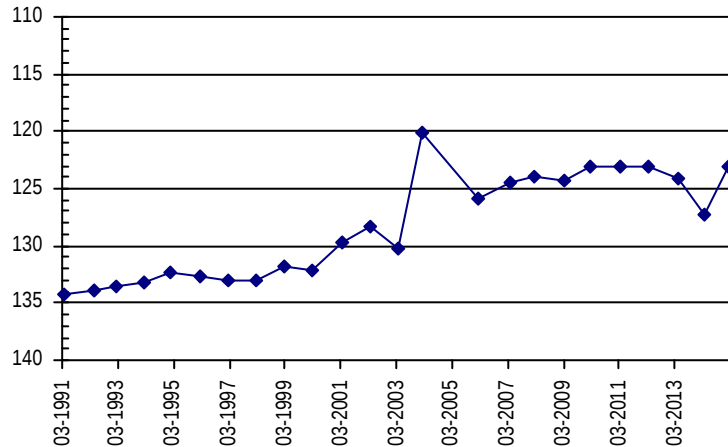
5 year: 0.00

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/25/2006	125.85	4004.15	-5.70
4/1/2007	124.45	4005.55	1.40
2/23/2008	124.00	4006.00	0.45
3/9/2009	124.35	4005.65	-0.35
2/27/2010	123.15	4006.85	1.20
3/6/2011	123.00	4007.00	0.15
3/19/2012	123.10	4006.90	-0.10
4/21/2013	124.10	4005.90	-1.00
3/25/2014	127.30	4002.70	-3.20
2/18/2015	123.15	4006.85	4.15

All Historic Measurements



Well Name: SHP-66 SCHRODER

Owner: SCHRODER

Permit #: 77852 - F -

Location #: SC03304515DD

USGS Site ID:

Division: 2

Water District: 66

County: BACA

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

SE SE 15

33 S 45 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4116106.5 Easting (UTM x): 724549.9

Latitude/Longitude (decimal degrees): 37.164414 -102.471056

Surface Elevation (ft): 4200 **Top Perforated Interval (ft):** 120

Base of grout (ft):

Water Level Change

Well depth (ft): 245 **Bottom Perforated Interval (ft):** 235

1 year: -9.34

Aquifer(s): DAKOTA

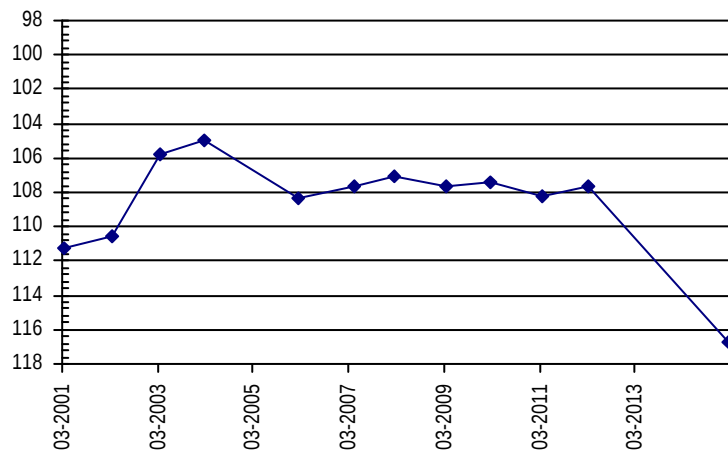
5 year:

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/26/2006	108.40	4091.60	-3.40
4/1/2007	107.70	4092.30	0.70
2/24/2008	107.10	4092.90	0.60
3/9/2009	107.70	4092.30	-0.60
2/27/2010	107.40	4092.60	0.30
3/6/2011	108.20	4091.80	-0.80
3/19/2012	107.60	4092.40	0.60
4/20/2013			
3/25/2014			
2/18/2015	116.74	4083.26	

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-67 FARMERS HOME ADMTN.

Owner: FARMERS HOME ADMTN.

Permit #: 19813 - FP - **Location #:** SC03304626BBB

USGS Site ID:

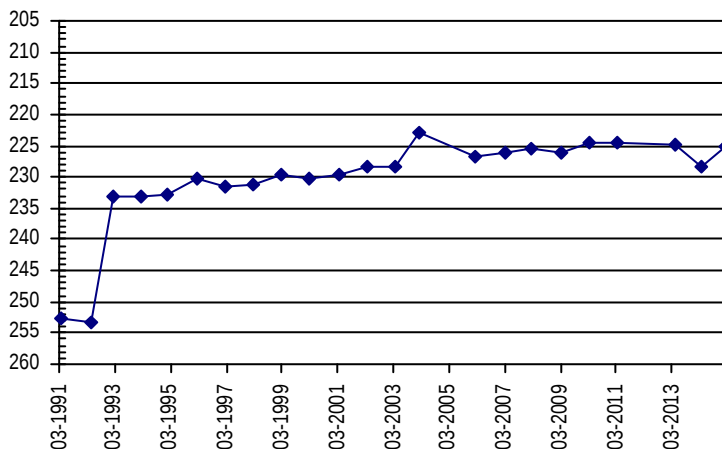
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 NW NW NW 26 33 S 46 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4114077.5 Easting (UTM x): 715155.8
Latitude/Longitude (decimal degrees): 37.148351 -102.577351

Surface Elevation (ft): 4340 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 380 **Bottom Perforated Interval (ft):** **1 year:** 2.90
Aquifer(s): CHEYENNE **5 year:** -0.79
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/25/2006	226.90	4113.10	-4.00
3/22/2007	226.10	4113.90	0.80
2/24/2008	225.50	4114.50	0.60
3/9/2009	226.10	4113.90	-0.60
3/12/2010	224.50	4115.50	1.60
3/13/2011	224.50	4115.50	0.00
3/15/2012			
4/21/2013	224.80	4115.20	
3/25/2014	228.19	4111.81	-3.39
2/17/2015	225.29	4114.71	2.90

All Historic Measurements



Well Name: SHP-68 OMALLEY

Owner: OMALLEY

Permit #: 20427 - F - **Location #:** SC03304630AA

USGS Site ID:

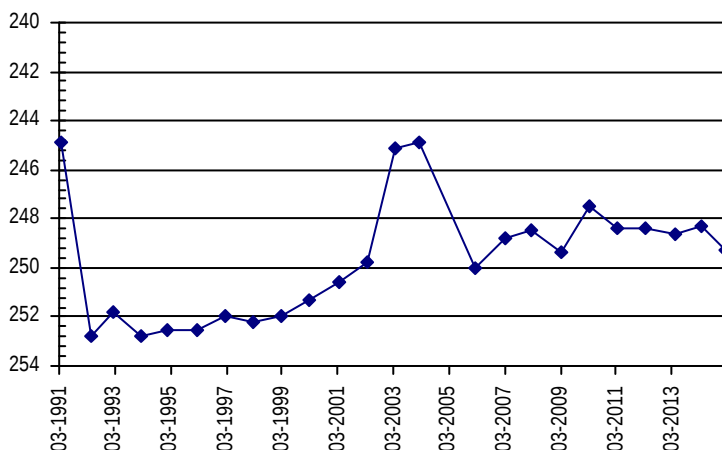
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 NE NE 30 33 S 46 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4113809.5 Easting (UTM x): 708573.8
Latitude/Longitude (decimal degrees): 37.147429 -102.651481

Surface Elevation (ft): 4435 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 535 **Bottom Perforated Interval (ft):** **1 year:** -0.96
Aquifer(s): DAKOTA **5 year:** -1.75
 CHEYENNE **10 year:**

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/25/2006	250.00	4185.00	-5.10
3/22/2007	248.80	4186.20	1.20
2/24/2008	248.50	4186.50	0.30
3/9/2009	249.40	4185.60	-0.90
3/12/2010	247.50	4187.50	1.90
3/13/2011	248.40	4186.60	-0.90
3/15/2012	248.40	4186.60	0.00
4/20/2013	248.60	4186.40	-0.20
3/25/2014	248.29	4186.71	0.31
2/18/2015	249.25	4185.75	-0.96

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-69 RAY SIKES

Owner: RAY SIKES

Permit #: 15029 - F - Location #: SC03305006CAD USGS Site ID:

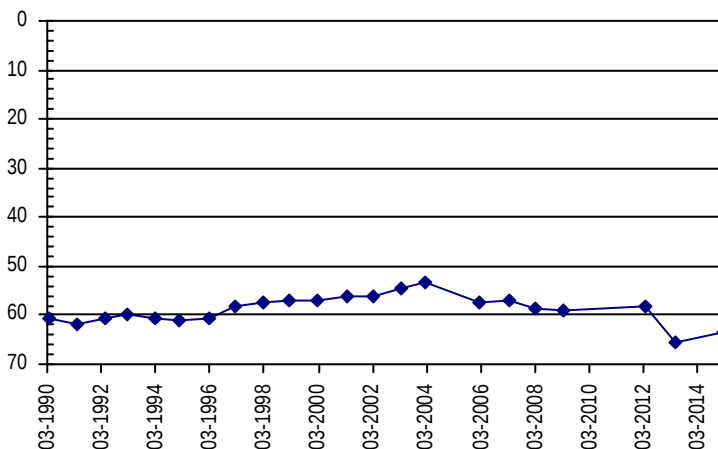
Division: 2 Water District: 66 County: BACA
 Location: Q160 Q40 Q10 Section Twntshp Range PM Distance from section lines:
 SW NE SE 6 33 S 50 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4118438.8 Easting (UTM x): 670616.6
 Latitude/Longitude (decimal degrees): 37.196832 -103.077575

Surface Elevation (ft): 5001 Top Perforated Interval (ft): Base of grout (ft): **Water Level Change**
 Well depth (ft): 140 Bottom Perforated Interval (ft): **1 year:**
 Aquifer(s): DAKOTA **5 year:**
 CHEYENNE **10 year:**

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/25/2006	57.20	4943.80	-3.95
3/22/2007	57.00	4944.00	0.20
2/24/2008	58.75	4942.25	-1.75
3/9/2009	59.20	4941.80	-0.45
3/13/2011			
3/15/2012	58.20	4942.80	
4/20/2013	65.40	4935.60	-7.20
3/25/2014			
2/17/2015	63.32	4937.68	

All Historic Measurements



Well Name: SHP-70 GARY & TIM WHITE

Owner: GARY & TIM WHITE

Permit #: 23774 - FP - Location #: SC03404122BA USGS Site ID:

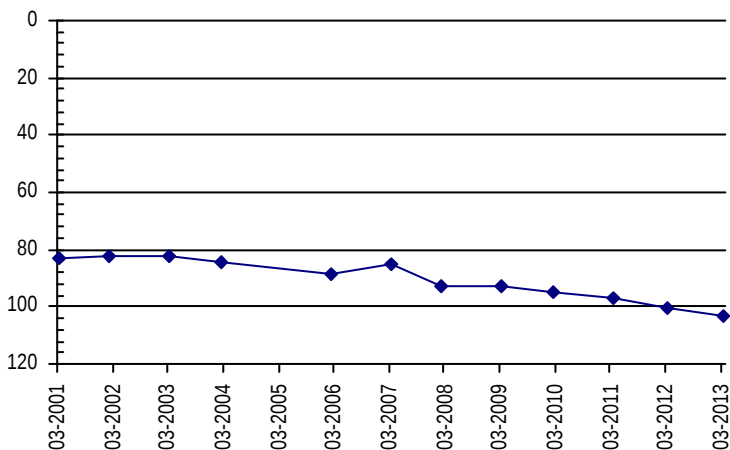
Division: 2 Water District: 66 County: BACA
 Location: Q160 Q40 Q10 Section Twntshp Range PM Distance from section lines:
 NW NE 22 34 S 41 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4107175.4 Easting (UTM x): 761954.0
 Latitude/Longitude (decimal degrees): 37.074281 -102.053394

Surface Elevation (ft): Top Perforated Interval (ft): 3 Base of grout (ft): **Water Level Change**
 Well depth (ft): 103 Bottom Perforated Interval (ft): 103 **1 year:**
 Aquifer(s): OGALLALA **5 year:**
 DOCKUM **10 year:**

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/23/2006	88.50		-4.30
3/22/2007	85.00		3.50
2/23/2008	92.50		-7.50
3/8/2009	92.50		0.00
2/27/2010	95.00		-2.50
3/6/2011	96.80		-1.80
3/9/2012	100.20		-3.40
3/3/2013	103.10		-2.90
3/25/2014			

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-71 COLO.INTRST.GAS 1

Owner: COLO.INTRST.GAS

Permit #: 112906 - - **Location #:** SC03404205ADA1

USGS Site ID:

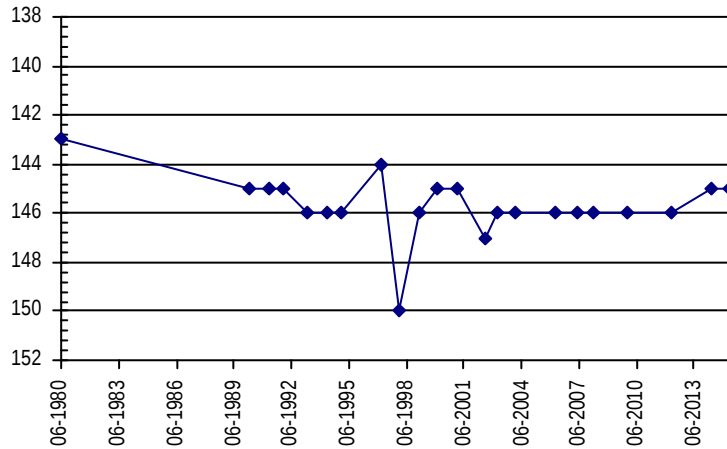
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE SE NE 5 34 S 42 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4111405.8 Easting (UTM x): 750365.7
Latitude/Longitude (decimal degrees): 37.115532 -102.182190

Surface Elevation (ft): 3828 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 394 **Bottom Perforated Interval (ft):** **1 year:** 0.00
Aquifer(s): DOCKUM **5 year:** 1.00
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/11/2006	146.00	3682.00	0.00
4/4/2007	146.00	3682.00	0.00
2/27/2008	146.00	3682.00	0.00
1/1/2009			
12/16/2009	146.00	3682.00	
3/3/2011			
3/21/2012	146.00	3682.00	
3/1/2013			
4/30/2014	145.00	3683.00	
3/25/2015	145.00	3683.00	0.00

All Historic Measurements



Well Name: SHP-72 COLO INTERST GAS 2

Owner: COLO INTERST GAS

Permit #: 112907 - - **Location #:** SC03404205ADA2

USGS Site ID:

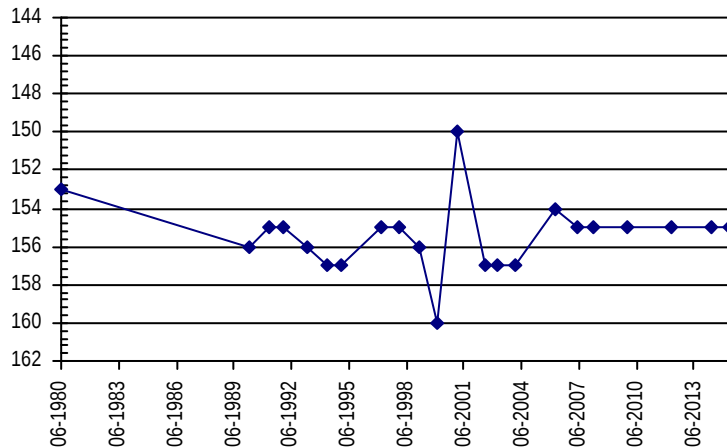
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE SE NE 5 34 S 42 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4111405.8 Easting (UTM x): 750365.7
Latitude/Longitude (decimal degrees): 37.115532 -102.182190

Surface Elevation (ft): 3826 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 357 **Bottom Perforated Interval (ft):** **1 year:** 0.00
Aquifer(s): DOCKUM **5 year:** 0.00
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/11/2006	154.00	3672.00	3.00
4/4/2007	155.00	3671.00	-1.00
2/27/2008	155.00	3671.00	0.00
1/1/2009			
12/16/2009	155.00	3671.00	
3/3/2011			
3/21/2012	155.00	3671.00	
4/30/2014	155.00	3671.00	0.00
3/25/2015	155.00	3671.00	0.00

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-73 WRAY, P.&A.

Owner: WRAY, P.&A.

Permit #: 123684 - -

Location #: SC03404205DAD

USGS Site ID: 370640102105600

Division: 2

Water District: 66

County: BACA

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

SE NE SE 5

34 S

42 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4110823.2 Easting (UTM x): 750235.0

Latitude/Longitude (decimal degrees): 37.110324 -102.183851

Surface Elevation (ft): 3759.59 **Top Perforated Interval (ft):**

Base of grout (ft):

Water Level Change

Well depth (ft): 150 **Bottom Perforated Interval (ft):**

1 year: -0.87

Aquifer(s): DOCKUM

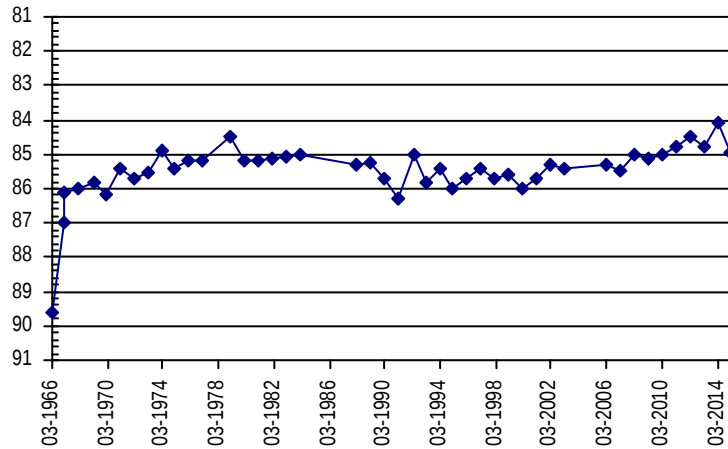
5 year: 0.06

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2006	85.30	3674.29	
3/22/2007	85.50	3674.09	-0.20
2/23/2008	85.00	3674.59	0.50
3/8/2009	85.10	3674.49	-0.10
2/27/2010	85.00	3674.59	0.10
3/6/2011	84.80	3674.79	0.20
3/19/2012	84.50	3675.09	0.30
4/20/2013	84.80	3674.79	-0.30
3/26/2014	84.07	3675.52	0.73
2/17/2015	84.94	3674.65	-0.87

All Historic Measurements



Well Name: SHP-74 DAN WITCHER

Owner: DAN WITCHER

Permit #: 15807 - -

Location #: SC03404221AC

USGS Site ID:

Division: 2

Water District: 66

County: BACA

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

NE SW 21

34 S

42 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4106654.4 Easting (UTM x): 751782.4

Latitude/Longitude (decimal degrees): 37.072376 -102.167855

Surface Elevation (ft): **Top Perforated Interval (ft):**

Base of grout (ft):

Water Level Change

Well depth (ft): 105 **Bottom Perforated Interval (ft):**

1 year:

Aquifer(s): DOCKUM

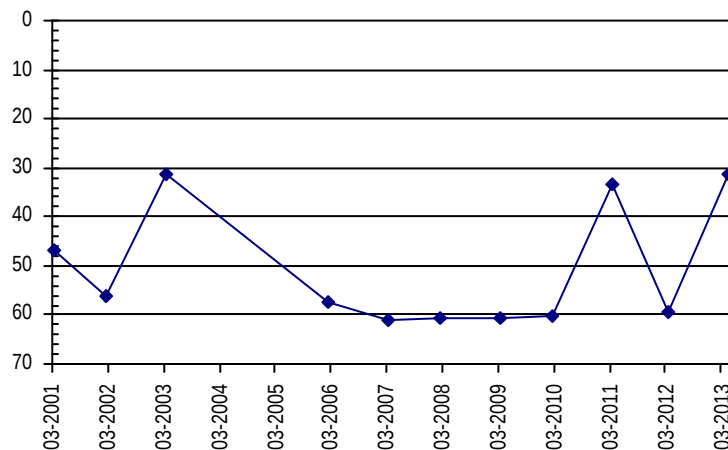
5 year:

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2006	57.50		-26.00
3/21/2007	61.00		-3.50
2/23/2008	60.50		0.50
3/8/2009	60.60		-0.10
2/27/2010	60.20		0.40
3/6/2011	33.20	27.00	
3/19/2012	59.50		-26.30
4/20/2013	31.50	28.00	
3/25/2014			

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-75 ALLEY LAND & CAT.

Owner: ALLEY LAND & CAT.

Permit #: 3232 - FP - **Location #:** SC03404309CD

USGS Site ID:

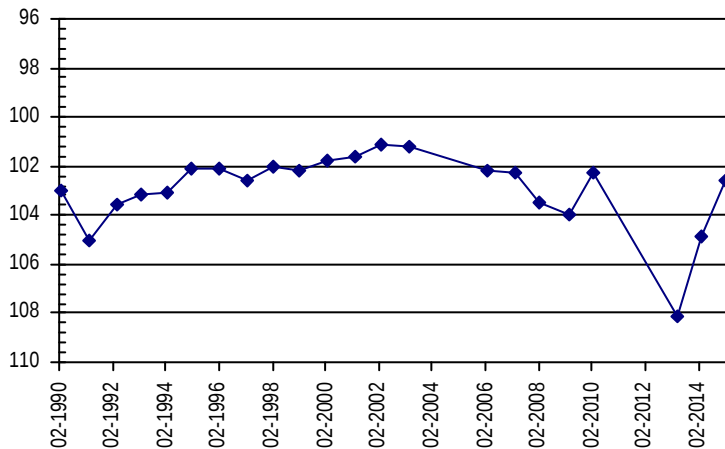
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 SW SE 9 34 S 43 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4108587.7 Easting (UTM x): 741552.6
Latitude/Longitude (decimal degrees): 37.092475 -102.282181

Surface Elevation (ft): 3965 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 365 **Bottom Perforated Interval (ft):** **1 year:** 2.24
Aquifer(s): DOCKUM **5 year:** -0.30
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/25/2006	102.20	3862.80	
3/22/2007	102.30	3862.70	-0.10
2/23/2008	103.50	3861.50	-1.20
3/9/2009	104.00	3861.00	-0.50
2/27/2010	102.30	3862.70	1.70
3/6/2011			
3/19/2012			
4/20/2013	108.10	3856.90	
3/26/2014	104.84	3860.16	3.26
2/17/2015	102.60	3862.40	2.24

All Historic Measurements



Well Name: SHP-76 ALLEY LAND & CATTLE

Owner: ALLEY LAND & CATTLE

Permit #: 29421 - - **Location #:** SC03404320DD

USGS Site ID:

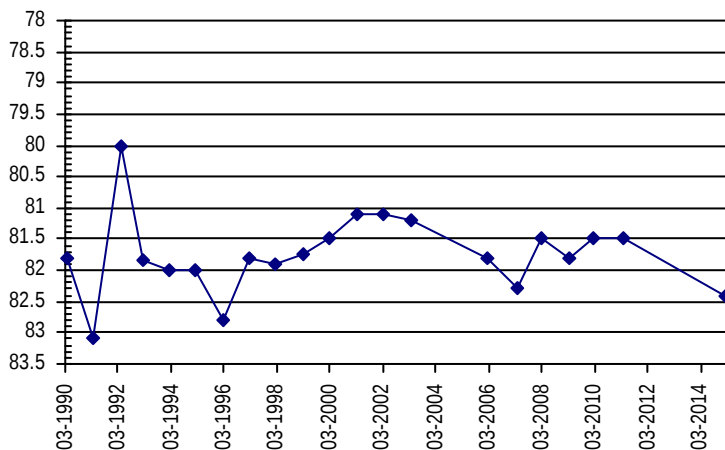
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 SE SE 20 34 S 43 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4105113.3 Easting (UTM x): 739383.2
Latitude/Longitude (decimal degrees): 37.061747 -102.307672

Surface Elevation (ft): 3863 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 330 **Bottom Perforated Interval (ft):** **1 year:**
Aquifer(s): DOCKUM **5 year:** -0.90
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/25/2006	81.80	3781.20	
3/22/2007	82.30	3780.70	-0.50
2/23/2008	81.50	3781.50	0.80
3/9/2009	81.80	3781.20	-0.30
2/27/2010	81.50	3781.50	0.30
3/6/2011	81.50	3781.50	0.00
3/16/2012			
4/20/2013			
3/26/2014			
2/17/2015	82.40	3780.60	

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-77 HUME, M.&L.

Owner: HUME, M.&L.

Permit #: - - **Location #:** SC03404508BBB

USGS Site ID: 370617102311700

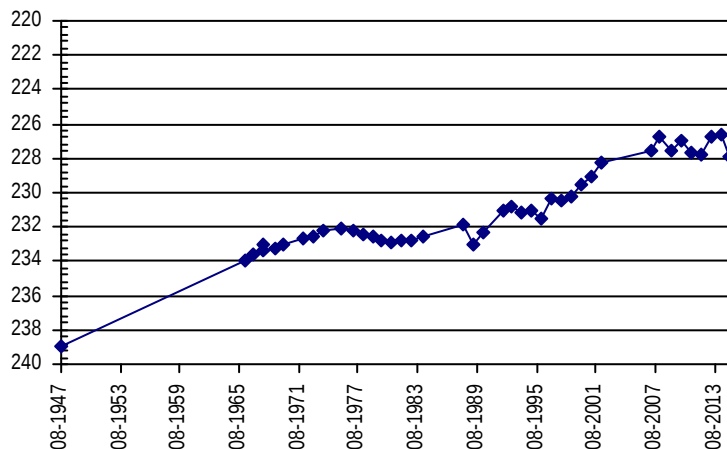
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NW NW 8 34 S 45 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4109366.0 Easting (UTM x): 720038.0
Latitude/Longitude (decimal degrees): 37.104784 -102.523807

Surface Elevation (ft): 4274.96 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 250 **Bottom Perforated Interval (ft):** **1 year:** -1.26
Aquifer(s): OGALLALA **5 year:** -0.85
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/25/2006			
3/22/2007	227.50	4047.46	
2/24/2008	226.70	4048.26	0.80
3/9/2009	227.50	4047.46	-0.80
3/12/2010	227.00	4047.96	0.50
3/13/2011	227.70	4047.26	-0.70
3/19/2012	227.80	4047.16	-0.10
4/21/2013	226.80	4048.16	1.00
3/25/2014	226.59	4048.37	0.21
2/17/2015	227.85	4047.11	-1.26

All Historic Measurements



Well Name: SHP-78 JOHNY REINER

Owner: JOHNY REINER

Permit #: 14185 - FP - **Location #:** SC03404609DA

USGS Site ID:

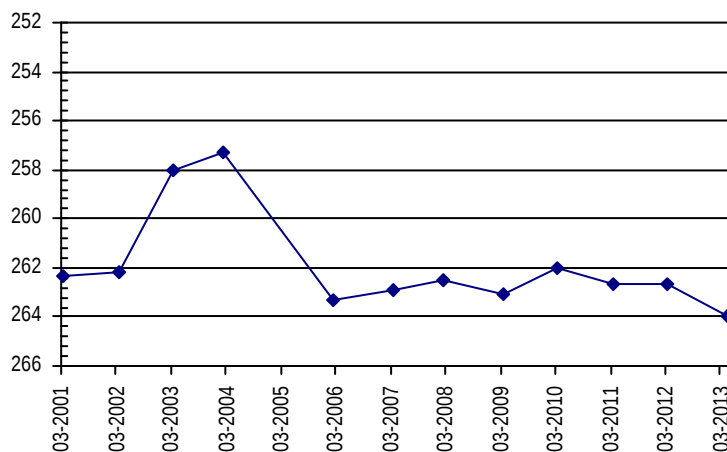
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE NE 9 34 S 46 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4108061.5 Easting (UTM x): 713146.0
Latitude/Longitude (decimal degrees): 37.094630 -102.601674

Surface Elevation (ft): **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 490 **Bottom Perforated Interval (ft):** **1 year:**
Aquifer(s): DOCKUM **5 year:**
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/25/2006	263.30		-6.00
3/22/2007	262.90		0.40
2/24/2008	262.50		0.40
3/9/2009	263.10		-0.60
3/12/2010	262.00		1.10
3/6/2011	262.70		-0.70
3/19/2012	262.70		0.00
4/20/2013	264.00		-1.30
3/25/2014			
2/17/2015			

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-79 ROGERS,C.& V.

Owner: ROGERS,C.& V.

Permit #: 49691 - -

Location #: SC03404715CD

USGS Site ID:

Division: 2

Water District: 66

County: BACA

Location: Q160 Q40 Q10 Section Twtnshp Range PM

Distance from section lines:

SW SE

15

34

S

47

W

S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4107414.4 Easting (UTM x): 704691.7

Latitude/Longitude (decimal degrees): 37.090687 -102.696907

Surface Elevation (ft): 4483

Top Perforated Interval (ft):

Base of grout (ft):

Water Level Change

Well depth (ft): 345

Bottom Perforated Interval (ft):

1 year:

Aquifer(s): CHEYENNE

5 year:

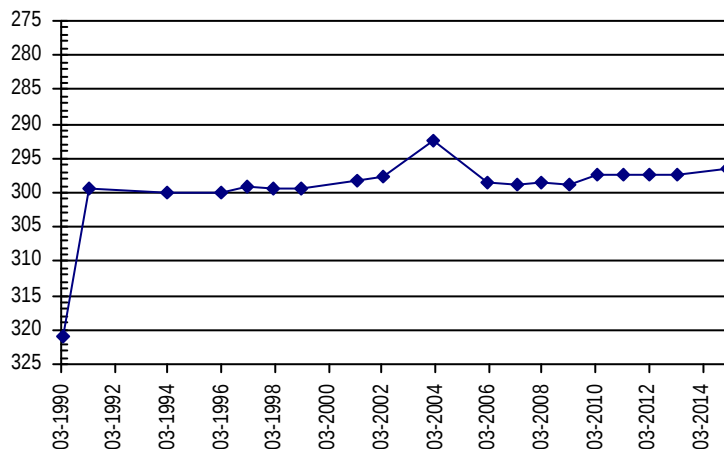
0.88

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/25/2006	298.60	4184.40	-6.10
3/22/2007	298.80	4184.20	-0.20
2/24/2008	298.60	4184.40	0.20
3/9/2009	298.80	4184.20	-0.20
3/12/2010	297.50	4185.50	1.30
3/13/2011	297.30	4185.70	0.20
3/19/2012	297.50	4185.50	-0.20
3/19/2013	297.50	4185.50	0.00
3/25/2014			
2/17/2015	296.62	4186.38	

All Historic Measurements



Well Name: SHP-80 US GOVERNMENT

Owner: US GOVERNMENT

Permit #: 127340 - -

Location #: SC03404808BCC

USGS Site ID: 370557102504800

Division: 2

Water District: 66

County: BACA

Location: Q160 Q40 Q10 Section Twtnshp Range PM

Distance from section lines:

NW SW SW

8

34

S

48

W

S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4108015.0 Easting (UTM x): 691190.0

Latitude/Longitude (decimal degrees): 37.098949 -102.848568

Surface Elevation (ft): 4589.23

Top Perforated Interval (ft):

Base of grout (ft):

Water Level Change

Well depth (ft): 250

Bottom Perforated Interval (ft):

1 year:

Aquifer(s): OGALLALA

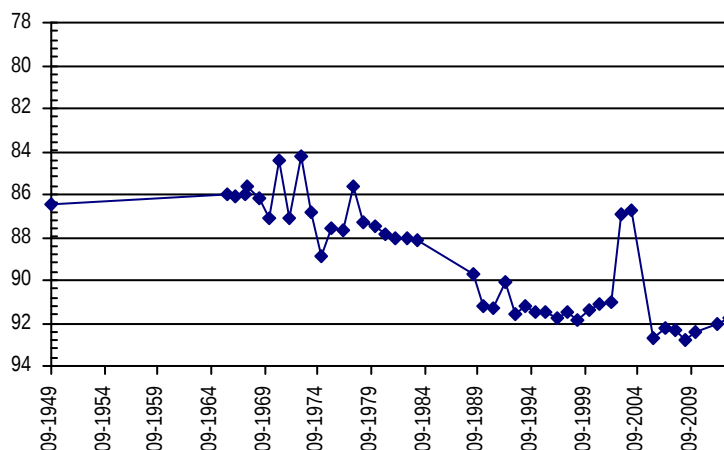
5 year:

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/25/2006	92.70	4496.53	-6.00
3/22/2007	92.20	4497.03	0.50
2/24/2008	92.30	4496.93	-0.10
3/9/2009	92.80	4496.43	-0.50
3/12/2010	92.40	4496.83	0.40
3/13/2011			
3/15/2012	92.00	4497.23	
4/20/2013	91.80	4497.43	0.20
3/25/2014			
2/17/2015			

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-81 USDA FOREST SERV.

Owner: USDA FOREST SERV.

Permit #: 127294 - - A **Location #:** SC03404826DDC

USGS Site ID: 370243102465000

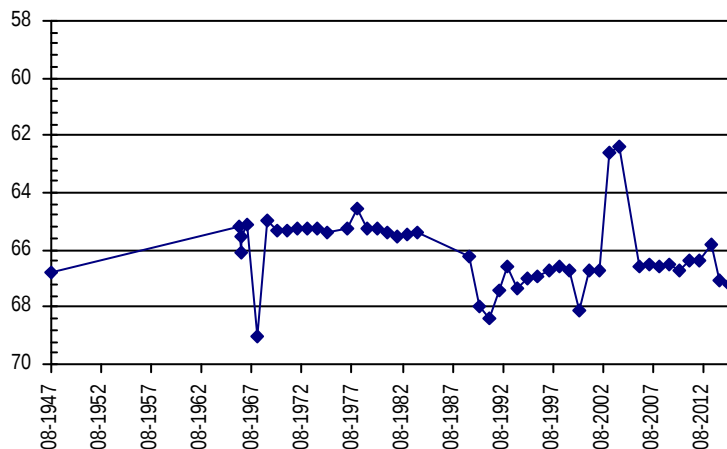
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 SE SE SW 26 34 S 48 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4102692.0 Easting (UTM x): 697228.0
Latitude/Longitude (decimal degrees): 37.049750 -102.782066

Surface Elevation (ft): 4532.15 **Top Perforated Interval (ft):** 80 **Base of grout (ft):** **Water Level Change**
Well depth (ft): 100 **Bottom Perforated Interval (ft):** 100 **1 year:** -0.12
Aquifer(s): DAKOTA **5 year:** -0.51
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/21/2006	66.60	4465.55	-4.20
3/22/2007	66.50	4465.65	0.10
2/24/2008	66.60	4465.55	-0.10
3/9/2009	66.50	4465.65	0.10
3/12/2010	66.70	4465.45	-0.20
3/13/2011	66.40	4465.75	0.30
3/15/2012	66.40	4465.75	0.00
4/21/2013	65.80	4466.35	0.60
3/25/2014	67.09	4465.06	-1.29
2/17/2015	67.21	4464.94	-0.12

All Historic Measurements



Well Name: SHP-82 KIM SWEARINGEN

Owner: KIM SWEARINGEN

Permit #: 49633 - FP - **Location #:** SC03504104DD

USGS Site ID:

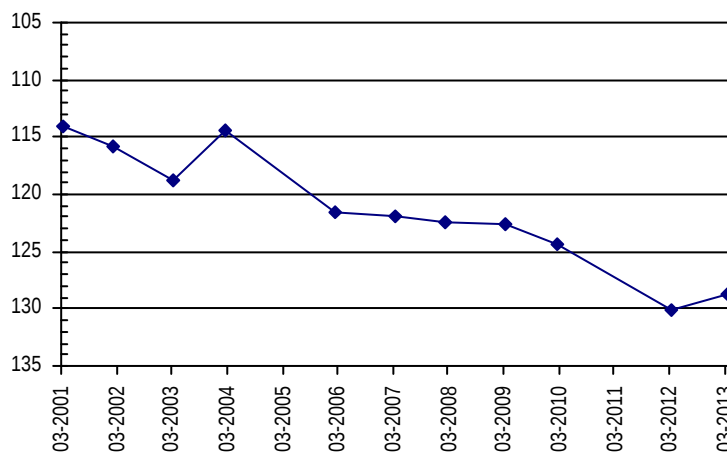
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 SE SE 4 35 S 41 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4100991.3 Easting (UTM x): 762030.5
Latitude/Longitude (decimal degrees): 37.018588 -102.054688

Surface Elevation (ft): **Top Perforated Interval (ft):** 110 **Base of grout (ft):** **Water Level Change**
Well depth (ft): 175 **Bottom Perforated Interval (ft):** 175 **1 year:**
Aquifer(s): DOCKUM **5 year:**
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/23/2006	121.50		-7.00
3/22/2007	122.00		-0.50
2/23/2008	122.50		-0.50
3/8/2009	122.60		-0.10
2/27/2010	124.30		-1.70
3/6/2011			
3/9/2012	130.10		
3/3/2013	128.80		1.30
3/25/2014			

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-83 RAY GLOVER

Owner: RAY GLOVER

Permit #: 5333 - F - Location #: SC03504306CD

USGS Site ID:

Division: 2 Water District: 66 County: BACA
 Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 SW SE 6 35 S 43 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4100408.3 Easting (UTM x): 738380.2
 Latitude/Longitude (decimal degrees): 37.019636 -102.320432

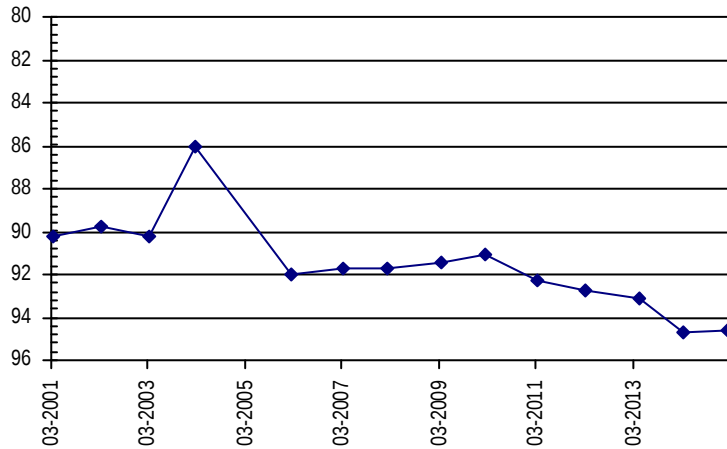
Surface Elevation (ft): 3880 Top Perforated Interval (ft): Base of grout (ft):
 Well depth (ft): 150 Bottom Perforated Interval (ft):
 Aquifer(s): DOCKUM

Water Level Change
1 year: 0.12
5 year: -3.52
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/25/2006	92.00	3788.00	-6.00
3/22/2007	91.70	3788.30	0.30
2/23/2008	91.70	3788.30	0.00
3/9/2009	91.40	3788.60	0.30
2/27/2010	91.10	3788.90	0.30
3/6/2011	92.30	3787.70	-1.20
3/19/2012	92.70	3787.30	-0.40
4/20/2013	93.10	3786.90	-0.40
3/26/2014	94.74	3785.26	-1.64
2/17/2015	94.62	3785.38	0.12

All Historic Measurements



Well Name: SHP-84 HALLENBACK, G.&M.

Owner: HALLENBACK, G.&M.

Permit #: 127551 - - Location #: SC03504510BB

USGS Site ID: 370053102290700

Division: 2 Water District: 66 County: BACA
 Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 NW NW 10 35 S 45 W S From N/S line: From E/W line:
 UTM Coordinates (NAD83): Northing (UTM y) 4099464.0 Easting (UTM x): 723546.0
 Latitude/Longitude (decimal degrees): 37.014780 -102.487309

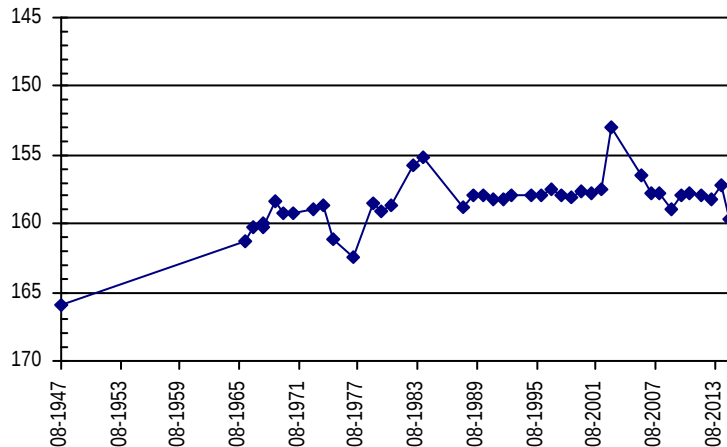
Surface Elevation (ft): 4104.9 Top Perforated Interval (ft): Base of grout (ft):
 Well depth (ft): 250 Bottom Perforated Interval (ft):
 Aquifer(s): DAKOTA

Water Level Change
1 year: -2.47
5 year: -1.63
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/25/2006	156.50	3948.40	-3.50
3/22/2007	157.80	3947.10	-1.30
2/24/2008	157.80	3947.10	0.00
3/9/2009	159.00	3945.90	-1.20
3/12/2010	158.00	3946.90	1.00
3/6/2011	157.80	3947.10	0.20
3/19/2012	157.90	3947.00	-0.10
4/20/2013	158.20	3946.70	-0.30
3/26/2014	157.16	3947.74	1.04
2/17/2015	159.63	3945.27	-2.47

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-85 DIXON, WM.J.

Owner: DIXON, WM.J.

Permit #: 10763 - -

Location #: SC03504603DC

USGS Site ID:

Division: 2

Water District: 66

County: BACA

Location: Q160 Q40 Q10 Section Twtnshp Range PM

Distance from section lines:

SE SW

3

35 S

46 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4099828.3 Easting (UTM x): 714887.8

Latitude/Longitude (decimal degrees): 37.020081 -102.584444

Surface Elevation (ft): 4195 **Top Perforated Interval (ft):**

Base of grout (ft):

Water Level Change

Well depth (ft): 134 **Bottom Perforated Interval (ft):**

1 year: -0.70

Aquifer(s): CHEYENNE

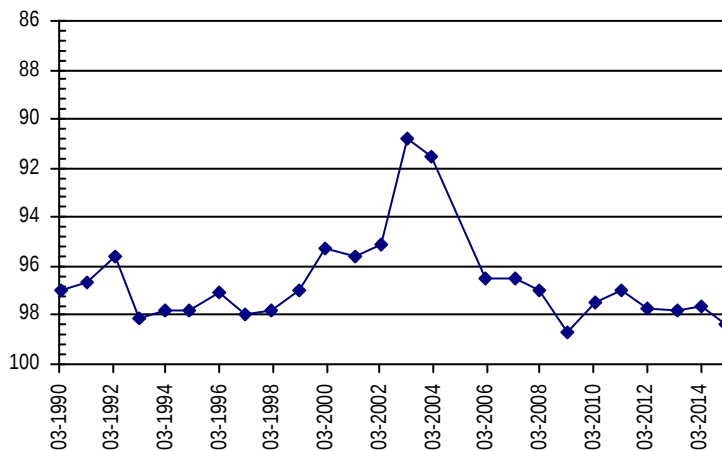
5 year: -0.88

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/25/2006	96.50	4098.50	-5.00
3/22/2007	96.50	4098.50	0.00
2/24/2008	97.00	4098.00	-0.50
3/9/2009	98.70	4096.30	-1.70
3/12/2010	97.50	4097.50	1.20
3/6/2011	97.00	4098.00	0.50
3/19/2012	97.70	4097.30	-0.70
4/20/2013	97.80	4097.20	-0.10
3/26/2014	97.68	4097.32	0.12
2/17/2015	98.38	4096.62	-0.70

All Historic Measurements



Well Name: SHP-86 WELBORN, J.M. 1

Owner: WELBORN, J.M.

Permit #: 5650 - F -

Location #: SC03505003AAC

USGS Site ID:

Division: 2

Water District: 66

County: BACA

Location: Q160 Q40 Q10 Section Twtnshp Range PM

Distance from section lines:

NE NE SW

3

35 S

50 W S

From N/S line:

From E/W line:

UTM Coordinates (NAD83): Northing (UTM y) 4099998.4 Easting (UTM x): 676514.3

Latitude/Longitude (decimal degrees): 37.029610 -103.015499

Surface Elevation (ft): 4470 **Top Perforated Interval (ft):**

Base of grout (ft):

Water Level Change

Well depth (ft): 48 **Bottom Perforated Interval (ft):**

1 year: 4.73

Aquifer(s): QUATERNARY ALLUVIUM

5 year: 4.92

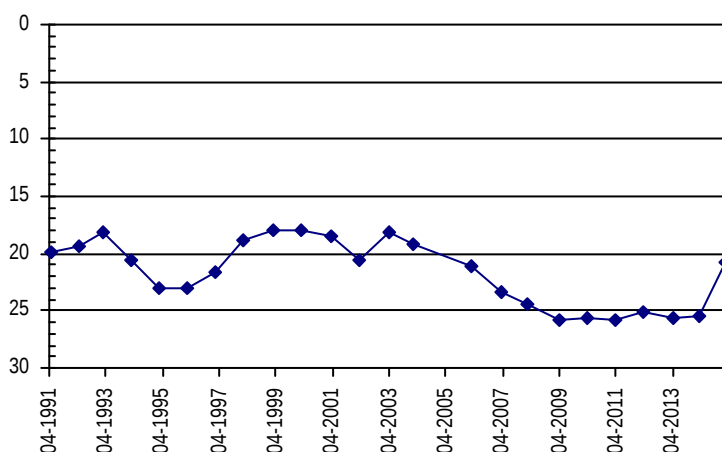
DOCKUM

10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/25/2006	21.10	4448.90	-1.90
3/22/2007	23.40	4446.60	-2.30
2/24/2008	24.40	4445.60	-1.00
3/9/2009	25.90	4444.10	-1.50
3/3/2010	25.70	4444.30	0.20
3/13/2011	25.80	4444.20	-0.10
3/15/2012	25.10	4444.90	0.70
4/20/2013	25.70	4444.30	-0.60
3/26/2014	25.51	4444.49	0.19
2/17/2015	20.78	4449.22	4.73

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SHP-88 WELBORN,J.M. 3

Owner: WELBORN,J.M.

Permit #: 3221 - F - **Location #:** SC03505012BB

USGS Site ID:

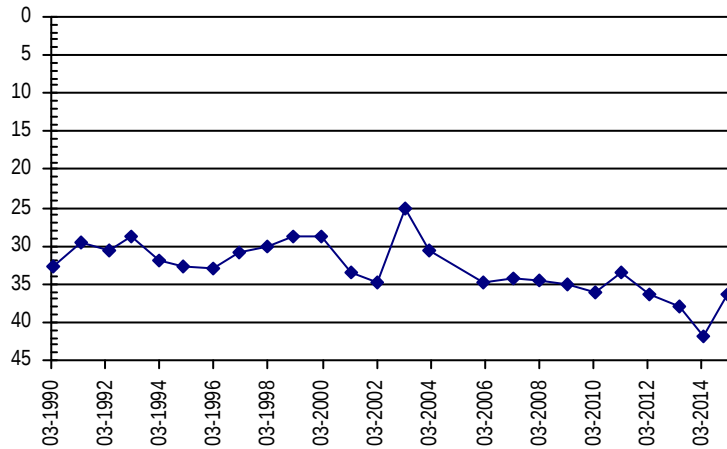
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NW 12 35 S 50 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4098663.4 Easting (UTM x): 678711.3
Latitude/Longitude (decimal degrees): 37.017167 -102.991130

Surface Elevation (ft): 4410 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 82 **Bottom Perforated Interval (ft):** **1 year:** 5.43
Aquifer(s): DOCKUM **5 year:** -0.36
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/25/2006	34.80	4375.20	-4.30
3/22/2007	34.40	4375.60	0.40
2/24/2008	34.60	4375.40	-0.20
3/9/2009	35.00	4375.00	-0.40
3/3/2010	36.00	4374.00	-1.00
3/13/2011	33.50	4376.50	2.50
3/15/2012	36.30	4373.70	-2.80
4/20/2013	38.00	4372.00	-1.70
3/26/2014	41.79	4368.21	-3.79
2/17/2015	36.36	4373.64	5.43

All Historic Measurements



Well Name: SHP-87 WELBORN,J.M. 2

Owner: WELBORN,J.M.

Permit #: 3220 - F - **Location #:** SC03505012BBA

USGS Site ID:

Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NW NE 12 35 S 50 W S From N/S line: From E/W line:
UTM Coordinates (NAD83): Northing (UTM y) 4098722.4 Easting (UTM x): 678735.3
Latitude/Longitude (decimal degrees): 37.017694 -102.990846

Surface Elevation (ft): 4411 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 50 **Bottom Perforated Interval (ft):** **1 year:** 2.06
Aquifer(s): DOCKUM **5 year:** -1.99
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/25/2006	38.50	4372.50	-4.30
3/22/2007	37.80	4373.20	0.70
2/24/2008	38.10	4372.90	-0.30
3/9/2009	38.50	4372.50	-0.40
3/3/2010	38.90	4372.10	-0.40
3/13/2011	36.40	4374.60	2.50
3/15/2012	39.80	4371.20	-3.40
4/20/2013	41.50	4369.50	-1.70
3/26/2014	42.95	4368.05	-1.45
2/17/2015	40.89	4370.11	2.06

All Historic Measurements

