

**GROUND WATER LEVELS
in the
SOUTHERN HIGH PLAINS
DESIGNATED GROUND WATER BASIN
2013**



by
Ralf Topper

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

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Governor**

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Executive Director**

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Project Manager**

Water Level Measurements in the Southern High Plains Designated Ground Water District 2013

This report contains the basic groundwater level data collected from wells in the Southern High Plains Designated Basin during the period from 2003 through 2013. Acquisition and publication of this information is a cooperative effort between the well owners, Southern High Plains Ground Water Management District and the Colorado Division of Water Resources. The project is part of a statewide ground water level monitoring program funded by Senate Bill 200 (1987 legislative session). This legislation directed that a portion of the fees collected for water well permit applications be used for the establishment of a program to monitor water level trends throughout the state.

The wells in this report are listed by township, range and section, beginning at the north end of the basin and proceeding south. Tabular data are presented for each well for the previous ten years. Graphical data are presented for the entire period of record. New to the report this year, is a modification to the time axis of the hydrographs. All available water level data, for each well, is now plotted as a true time series versus sequential data points. Analyses of changes in the water level in the aquifer are complicated by unknown pumping schedules.

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 aquifer. A stratigraphic chart 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. Up 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 82 wells were measured and recorded during February through April 2013. The following map shows the location of these wells. The table below summarizes some observations gleaned from the data by aquifer.

Aquifer	Water Level Range (ft below ground)	10-Year Average Trend (ft)	Comment
Ogallala	80 to 236	0 to -102	Majority of declines <20 ft
Dakota/Cheyenne	57 to 330	+6 to -113	Majority of declines <20 ft
Dockum	32 to 280	+8 to -44	

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

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


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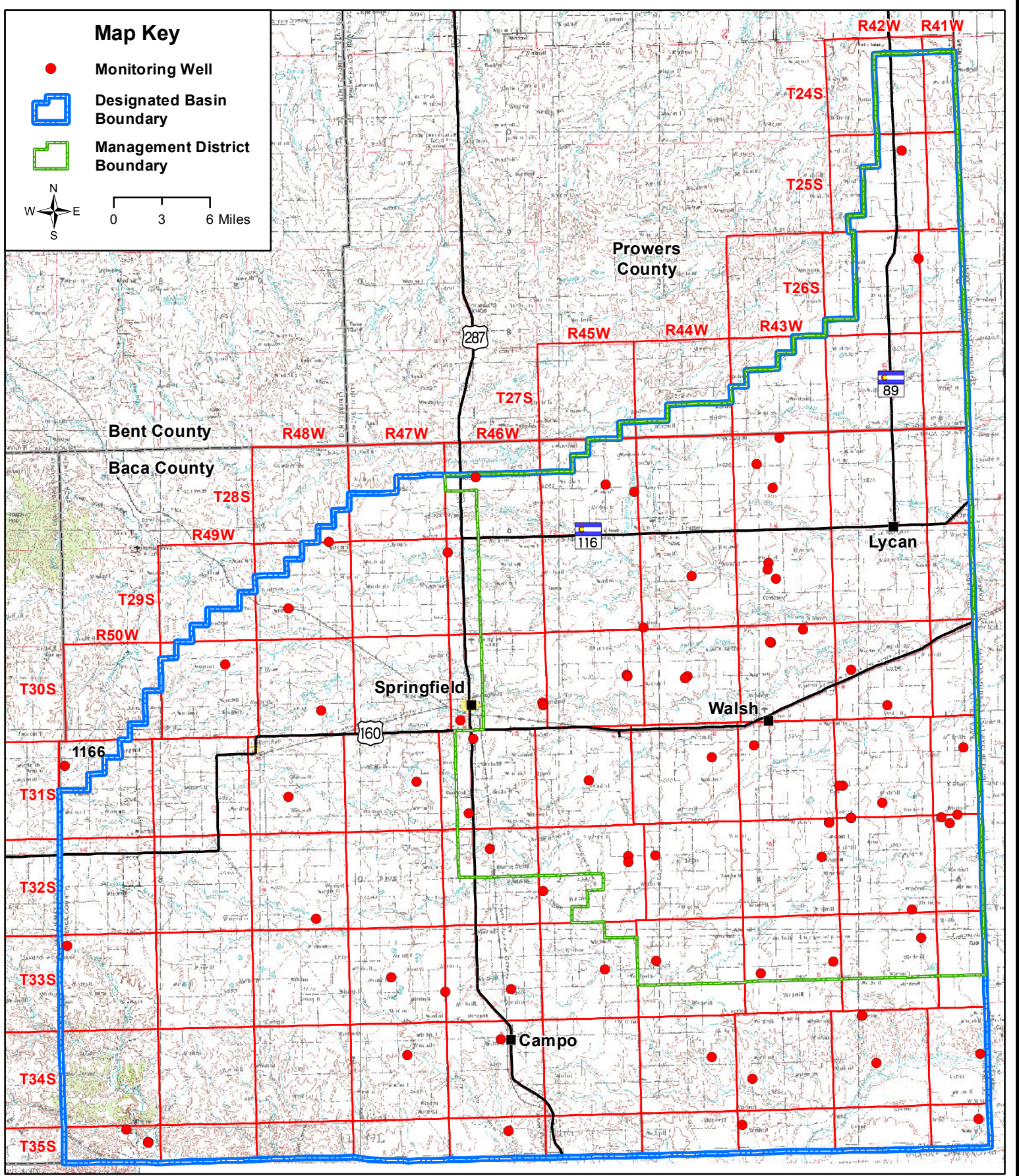
ERA	PERIOD	SOUTHEAST COLORADO AREA		
CENOZOIC	PLIOCENE	Ogallala Fm		
	MIOCENE	[Grey block]		
	OLIGOCENE			
	EOCENE			
	PALEOCENE			
MESOZOIC	CRETACEOUS	Rocky Ford		
		Pierre Sh		
		Niobrara Fm	Smoky Hill Mbr	
			Ft Hays Ls	
			[Grey block]	
			Codell Ss	
	LOWER	UPPER	Colorado Grp	Carlile Sh
				Greenhorn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

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

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Map Key

- Monitoring Well
 - ▭ Designated Basin Boundary
 - ▭ Management District Boundary
- 



State of Colorado -- Division of Water Resources
**Southern High Plains Designated Basin
Monitoring Well Locations**

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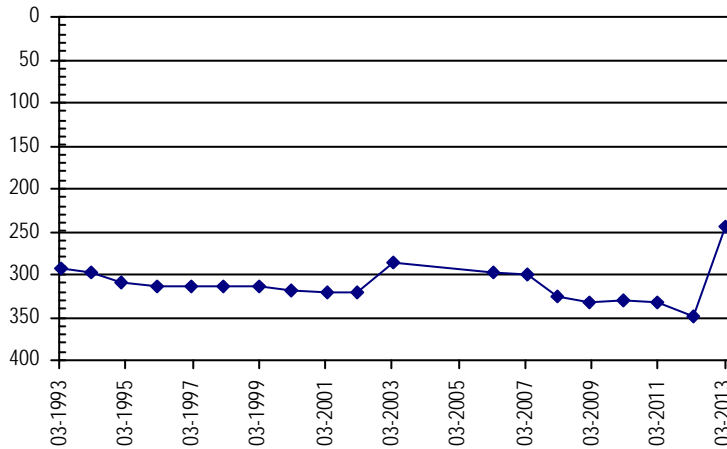
SOUTHERN HIGH PLAINS

Well Name:	BLAKE, JERREL	Owner:	BLAKE, JERREL		
Permit #:	10437 - F -	Location #:	SC02504211BBB		
USGS Site ID:					
Division:	2	Water District:	67	County:	PROWERS
Location:	Q160 Q40 Q10 Section	Twnshp	Range	PM	Distance from section lines:
	NW NW NW 11	25 S	42 W S		From N/S line: From E/W line:
UTM Coordinates (NAD83):	Northing (UTM y):	4198297.3	Easting (UTM x):	754322.0	User supplied
Latitude/Longitude (decimal degrees):		37.896688		-102.107664	
Surface Elevation (ft):	3659	Top Perforated Interval (ft):		Base of grout (ft):	Water Level Change
Well depth (ft):	600	Bottom Perforated Interval (ft):			1 year: 103.20
Aquifer(s):	DAKOTA				5 year: 80.80
					10 year: 41.70

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	245.30	3413.70	103.20

All Historic Measurements

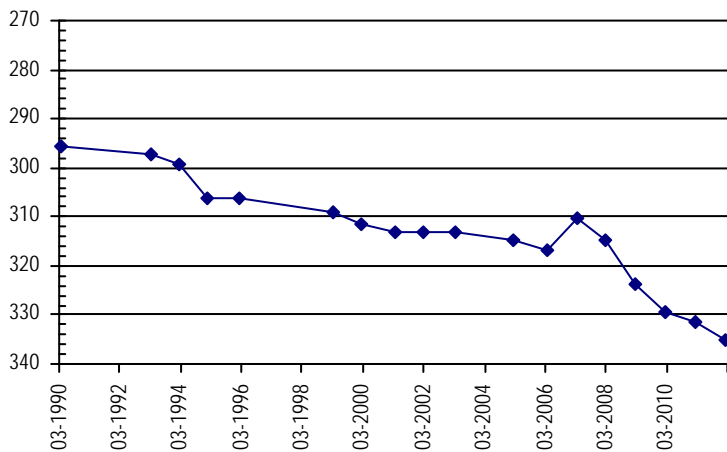


Well Name:	BARTH,RBT.J.	Owner:	BARTH,RBT.J.		
Permit #:	19211 - F -	Location #:	SC02604107CBB		
USGS Site ID:					
Division:	2	Water District:	67	County:	PROWERS
Location:	Q160 Q40 Q10 Section	Twnshp	Range	PM	Distance from section lines:
	SW NW NW 7	26 S	41 W S		From N/S line: From E/W line:
UTM Coordinates (NAD83):	Northing (UTM y):	4187423.1	Easting (UTM x):	756071.0	User supplied
Latitude/Longitude (decimal degrees):		37.798314		-102.091647	
Surface Elevation (ft):	3655	Top Perforated Interval (ft):		Base of grout (ft):	Water Level Change
Well depth (ft):	630	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)
2/23/2005	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			

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: **WEEKS RANCHES INC.** **Owner:** WEEKS RANCHES INC.
Permit #: 12269 - F - **Location #:** SC02704229CBB **USGS Site ID:** 373957102105800

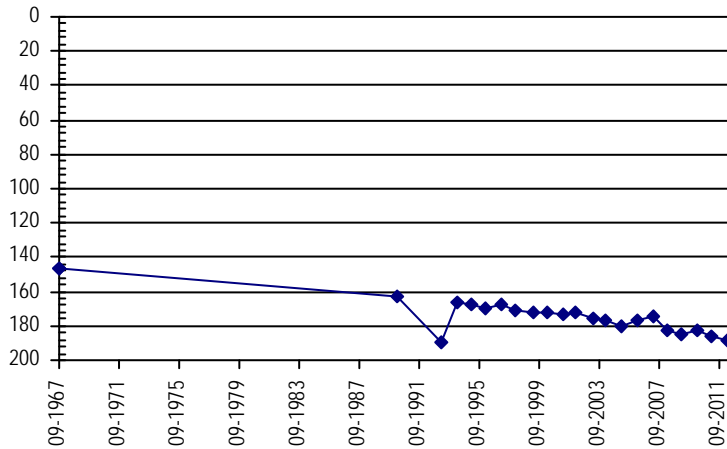
Division: 2 **Water District:** 67 **County:** PROWERS
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW NW NW 29 27 S 42 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4172474.5 **Easting (UTM x):** 748447.6 *User supplied*
Latitude/Longitude (decimal degrees): 37.665846 -102.183239

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:**
Aquifer(s): OGALLALA **5 year:**
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
1/29/2004	177.10	3649.48	-2.10
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			

All Historic Measurements



Well Name: **NUSSER,D.** **Owner:** NUSSER,D.
Permit #: 21218 - F - **Location #:** SC02804304ADD1 **USGS Site ID:** 373816102152001

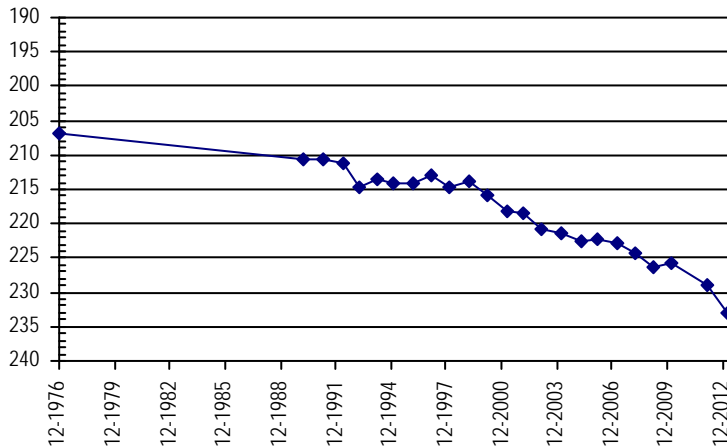
Division: 2 **Water District:** 67 **County:** PROWERS
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE SE SE 4 28 S 43 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4169492.9 **Easting (UTM x):** 726039.1 *GPS*
Latitude/Longitude (decimal degrees): 37.644791 -102.437973

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:** -4.10
Aquifer(s): OGALLALA **5 year:** -8.80
10 year: -12.30

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/28/2004	221.30	3715.35	-0.50
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

All Historic Measurements



SOUTHERN HIGH PLAINS

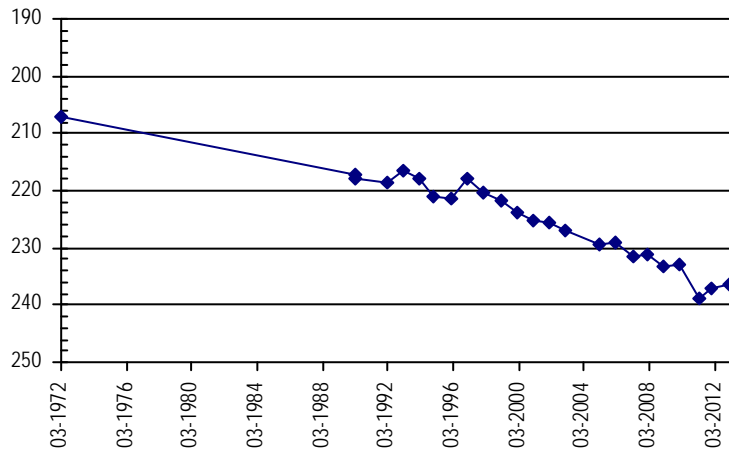
Well Name:	SCHNABEL, D.L.	<i>Owner:</i>	SCHNABEL, D.L.
<i>Permit #:</i>	15639 - F -	<i>Location #:</i>	SC02804304BDD
		<i>USGS Site ID:</i>	
<i>Division:</i>	2	<i>Water District:</i>	67
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	NW SE SE 4	28 S 43 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4142809.0	<i>Easting (UTM x):</i> 718311.9 <i>User supplied</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.406366	-102.533409
<i>Surface Elevation (ft):</i>	3950	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	272	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	OGALLALA		

Water Level Change
1 year: 0.70
5 year: -5.10
10 year: -9.30

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

All Historic Measurements



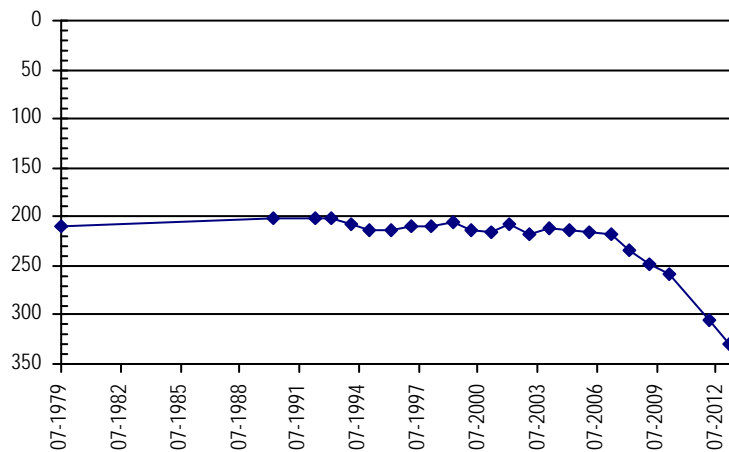
Well Name:	MEYERS, S.	<i>Owner:</i>	MEYERS, S.
<i>Permit #:</i>	9222 - RF -	<i>Location #:</i>	SC02804308CDD
		<i>USGS Site ID:</i>	
<i>Division:</i>	2	<i>Water District:</i>	67
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SW SE SE 8	28 S 43 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4169390.0	<i>Easting (UTM x):</i> 742093.0 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.639774	-102.256230
<i>Surface Elevation (ft):</i>	3974	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	510	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	OGALLALA DAKOTA		

Water Level Change
1 year: -23.30
5 year: -96.00
10 year: -112.70

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/28/2004	212.60	3761.40	4.20
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

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: **GRIFFIN,L.& OTHERS**

Owner: GRIFFIN,L.& OTHERS

Permit #: 6081 - F -

Location #: SC02804321BDD

USGS Site ID:

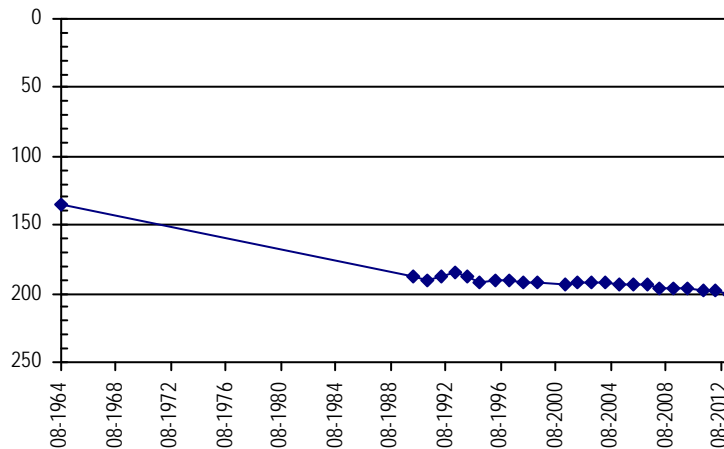
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section **Twnshp** **Range** **PM** **Distance from section lines:**
 NW SE SE 21 28 S 43 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4164431.8 **Easting (UTM x):** 741345.1 *GPS*
Latitude/Longitude (decimal degrees): 37.595332 -102.266333

Surface Elevation (ft): 3960 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 242 **Bottom Perforated Interval (ft):** **1 year:** -2.90
Aquifer(s): OGALLALA **5 year:** -4.60
 DAKOTA **10 year:** -8.00

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/28/2004	191.70	3768.30	0.40
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

All Historic Measurements



Well Name: **COGBURN,A.**

Owner: COGBURN,A.

Permit #: 6190 - F -

Location #: SC02804329AAA

USGS Site ID:

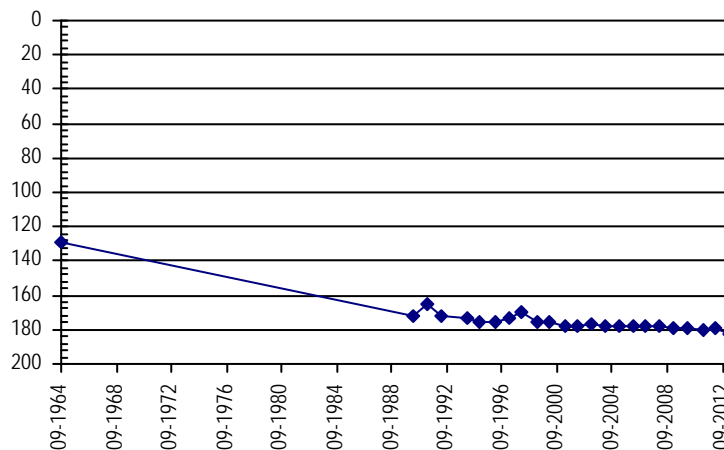
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section **Twnshp** **Range** **PM** **Distance from section lines:**
 NE NE NE 29 28 S 43 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4166809.9 **Easting (UTM x):** 739750.1 *GPS*
Latitude/Longitude (decimal degrees): 37.617159 -102.283602

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:** -3.10
Aquifer(s): OGALLALA **5 year:** -4.20
 DAKOTA **10 year:** -5.60

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/28/2004	177.50	3762.50	-0.50
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

All Historic Measurements



SOUTHERN HIGH PLAINS

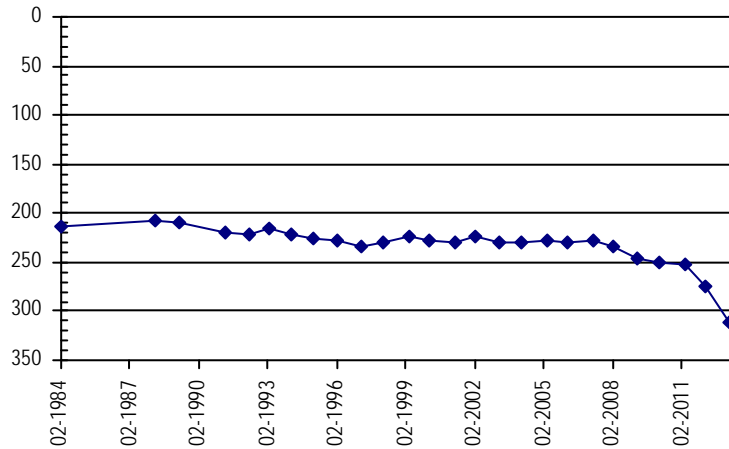
Well Name:	COGBURN, B.	<i>Owner:</i>	COGBURN, B.
<i>Permit #:</i>	6183 - F -	<i>Location #:</i>	SC02804410AAA
<i>USGS Site ID:</i>			
<i>Division:</i>	2	<i>Water District:</i>	67
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	NE NE NE 10	28 S 44 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4165447.9	<i>Easting (UTM x):</i> 711616.1 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.611800	-102.602485
<i>Surface Elevation (ft):</i>	4057	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	417	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	CHEYENNE		

Water Level Change
1 year: -35.70
5 year: -76.50
10 year: -80.60

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/28/2004	229.20	3827.80	1.30
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

All Historic Measurements



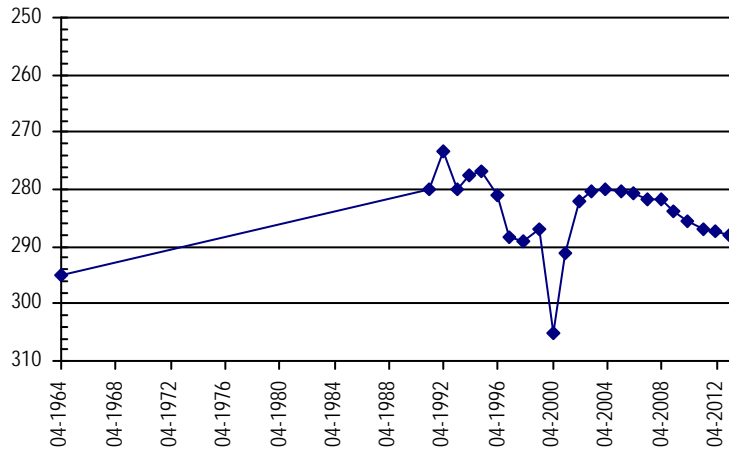
Well Name:	BELIN, OSCAR & ALTA	<i>Owner:</i>	BELIN, OSCAR & ALTA
<i>Permit #:</i>	5498 - F -	<i>Location #:</i>	SC02804501CC
<i>USGS Site ID:</i>			
<i>Division:</i>	2	<i>Water District:</i>	67
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SW SW 1	28 S 45 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4145480.7	<i>Easting (UTM x):</i> 732822.1 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.426890	-102.368777
<i>Surface Elevation (ft):</i>	4185	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	407	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	DAKOTA DOCKUM		

Water Level Change
1 year: -0.90
5 year: -6.30
10 year: -7.60

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/28/2004	280.10	3904.90	0.40
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

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: **AUSMUS,G,& S. 1**

Owner: AUSMUS,G,& S.

Permit #: 9350 - F -

Location #: SC02804514ADC

USGS Site ID:

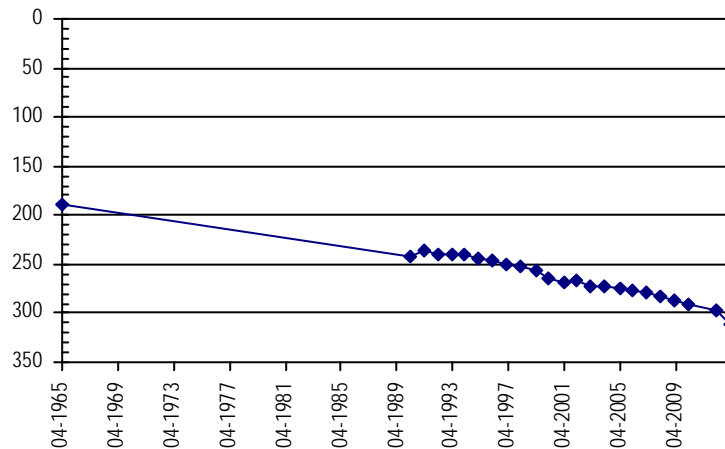
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE SE SW 14 28 S 45 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): Northing (UTM y): 4164038.9 **Easting (UTM x):** 727515.1 *GPS*
Latitude/Longitude (decimal degrees): 37.595317 -102.422955

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:** -14.50
Aquifer(s): DAKOTA **5 year:** -29.80
 CHEYENNE **10 year:** -40.10

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/28/2004	272.90	3877.10	-0.90
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

All Historic Measurements



Well Name: **AUSMUS,G.& S. 2**

Owner: AUSMUS,G.& S.

Permit #: 5259 - F -

Location #: SC02804514CCC

USGS Site ID:

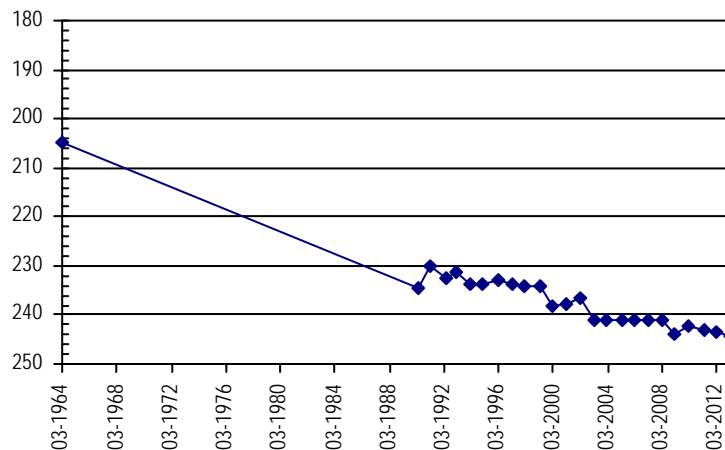
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SW SW 14 28 S 45 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): Northing (UTM y): 4164751.9 **Easting (UTM x):** 724594.1 *GPS*
Latitude/Longitude (decimal degrees): 37.602455 -102.455792

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:** -0.80
Aquifer(s): CHEYENNE **5 year:** -3.00
 ALL UNNAMED AQUIFERS **10 year:** -2.90

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/28/2004	241.10	3963.90	0.10
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

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: **KITZMILLER,K.& M.** **Owner:** KITZMILLER,K & M.
Permit #: 10080 - F - **Location #:** SC02804613BCC **USGS Site ID:** 373626102324700

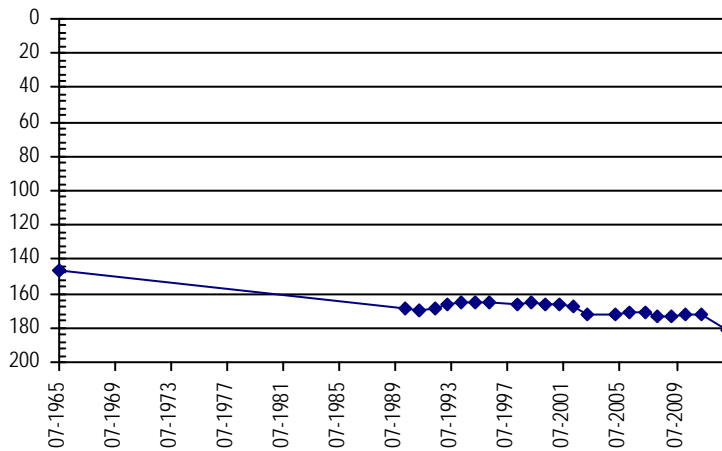
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW SW SW 13 28 S 46 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4159144.9 **Easting (UTM x):** 710173.0 *GPS*
Latitude/Longitude (decimal degrees): 37.555368 -102.620630

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:**
Aquifer(s): CHEYENNE **5 year:** -8.60
10 year: -9.70

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	

All Historic Measurements



Well Name: **KITZMILLER,MARY F.** **Owner:** KITZMILLER,MARY F.
Permit #: 9444 - F - **Location #:** SC02804616BCB **USGS Site ID:**

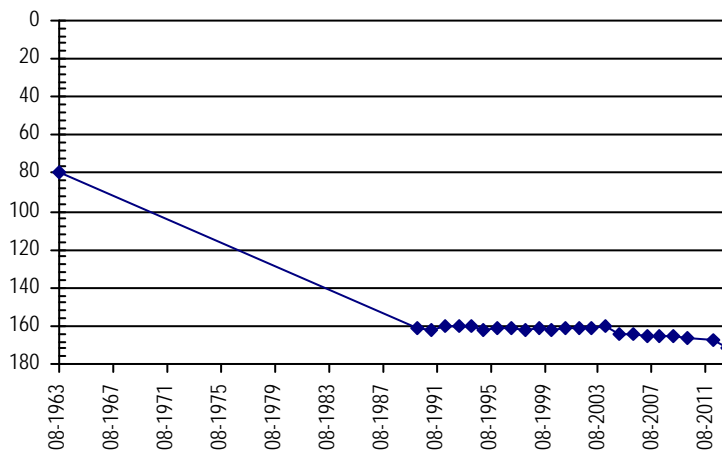
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW SW NW 16 28 S 46 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4145643.8 **Easting (UTM x):** 726760.0 *GPS*
Latitude/Longitude (decimal degrees): 37.429863 -102.437174

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:** -3.60
Aquifer(s): DAKOTA **5 year:** -6.20
10 year: -9.90

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/28/2004	160.50	4224.50	0.80
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

All Historic Measurements



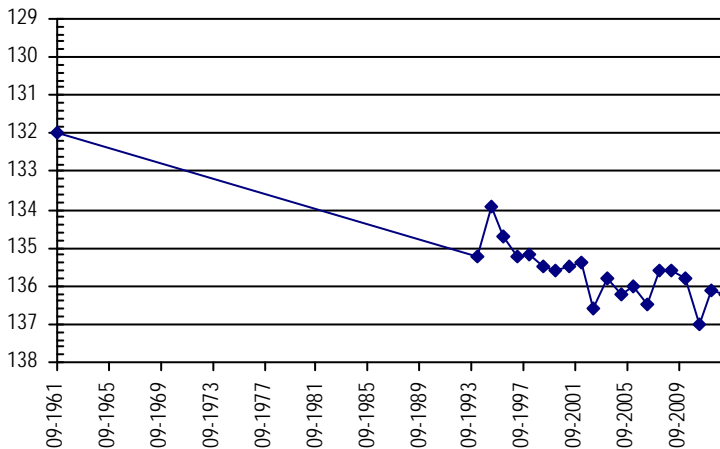
SOUTHERN HIGH PLAINS

Well Name:	MOORE	<i>Owner:</i>	MOORE
Permit #:	9835 - -	Location #:	SC02804835DCD
USGS Site ID:			
Division:	2	Water District:	67
County:	BACA		
Location:	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SE SW SE 35	28 S 48 W S	<i>From N/S line:</i> <i>From E/W line:</i>
UTM Coordinates (NAD83):	<i>Northing (UTM y):</i> 4159041.4	<i>Easting (UTM x):</i> 696864.5	<i>GPS</i>
Latitude/Longitude (decimal degrees):	37.557375 -102.771215		
Surface Elevation (ft):	4610	Top Perforated Interval (ft):	Base of grout (ft):
Well depth (ft):	316	Bottom Perforated Interval (ft):	Water Level Change
Aquifer(s):	DAKOTA		1 year: -0.10
			5 year: -0.60
			10 year: 0.40

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/2/2004	135.80	4474.20	0.80
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

All Historic Measurements

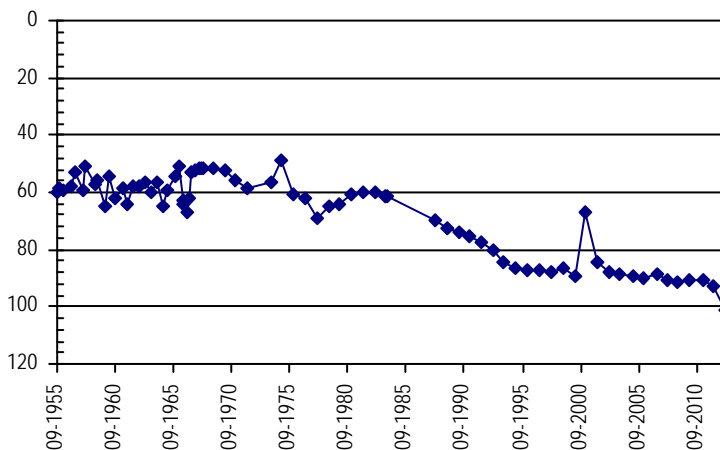


Well Name:	COMMERCE RANCH 1	<i>Owner:</i>	COMMERCE RANCH
Permit #:	- -	Location #:	SC02904315CCB
USGS Site ID:	373058102151500		
Division:	2	Water District:	67
County:	BACA		
Location:	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SW SW NW 15	29 S 43 W S	<i>From N/S line:</i> <i>From E/W line:</i>
UTM Coordinates (NAD83):	<i>Northing (UTM y):</i> 4155950.8	<i>Easting (UTM x):</i> 742553.1	<i>GPS</i>
Latitude/Longitude (decimal degrees):	37.518657 -102.255469		
Surface Elevation (ft):	3914.58	Top Perforated Interval (ft):	Base of grout (ft):
Well depth (ft):	343	Bottom Perforated Interval (ft):	Water Level Change
Aquifer(s):	ALL UNNAMED AQUIFERS		1 year: -8.00
			5 year: -10.70
			10 year: -13.10

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
1/29/2004	88.80	3825.78	-0.80
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

All Historic Measurements



SOUTHERN HIGH PLAINS

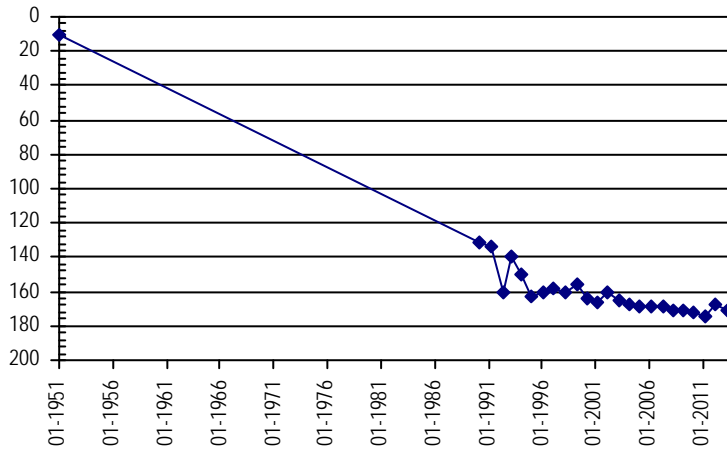
Well Name: **COMMERCE RANCH 2** **Owner:** COMMERCE RANCH
Permit #: 18427 - R - **Location #:** SC02904316BCB **USGS Site ID:**
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW SW NW 16 29 S 43 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4156878.8 **Easting (UTM x):** 740938.1 *GPS*
Latitude/Longitude (decimal degrees): 37.527436 -102.273420

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:** -3.10
Aquifer(s): DAKOTA **5 year:** -0.40
 CHEYENNE **10 year:** -6.20

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
1/29/2004	167.30	3771.70	-2.40
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

All Historic Measurements



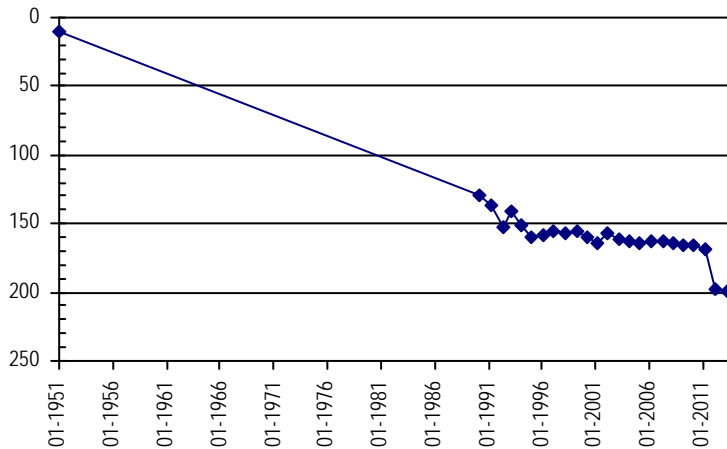
Well Name: **COMMERCE RANCH 3** **Owner:** COMMERCE RANCH
Permit #: 18427 - R - **Location #:** SC02904316CBB **USGS Site ID:**
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW NW NW 16 29 S 43 W S **From N/S line:** 1914 S **From E/W line:** 112 W
UTM Coordinates (NAD83): **Northing (UTM y):** 4156240.8 **Easting (UTM x):** 740912.1 *GPS*
Latitude/Longitude (decimal degrees): 37.521699 -102.273923

Surface Elevation (ft): 3936 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 459 **Bottom Perforated Interval (ft):** **1 year:** -1.10
Aquifer(s): DAKOTA **5 year:** -34.30
 CHEYENNE **10 year:** -37.10

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
1/29/2004	163.30	3772.70	-1.30
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

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: **COMMERCE RANCH 4** **Owner:** COMMERCE RANCH
Permit #: 67883 - - **Location #:** SC02904321BAD **USGS Site ID:**

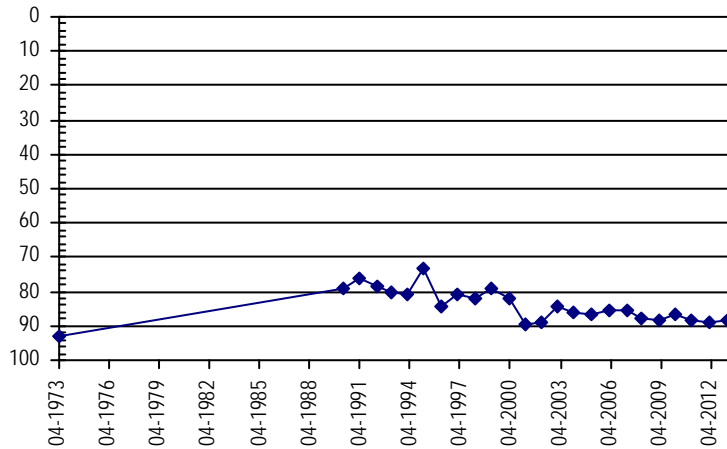
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NE SE 21 29 S 43 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4155275.8 **Easting (UTM x):** 741690.1 *GPS*
Latitude/Longitude (decimal degrees): 37.512807 -102.265446

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:** 0.70
Aquifer(s): DAKOTA **5 year:** -0.40
 CHEYENNE **10 year:** -4.20

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
1/29/2004	85.90	3829.10	-1.70
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

All Historic Measurements



Well Name: **THOMPSON,H.J.** **Owner:** THOMPSON,H.J.
Permit #: 12273 - R - **Location #:** SC02904331CCC **USGS Site ID:**

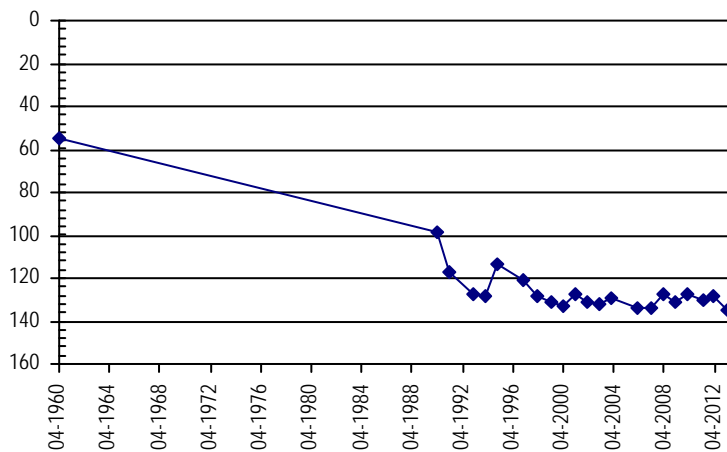
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SW SW SW 31 29 S 43 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4132773.7 **Easting (UTM x):** 752428.3 *GPS*
Latitude/Longitude (decimal degrees): 37.307355 -102.151772

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:** -7.10
Aquifer(s): DAKOTA **5 year:** -7.50
 CHEYENNE **10 year:** -2.90

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/29/2004	129.70	3834.30	2.60
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

All Historic Measurements



SOUTHERN HIGH PLAINS

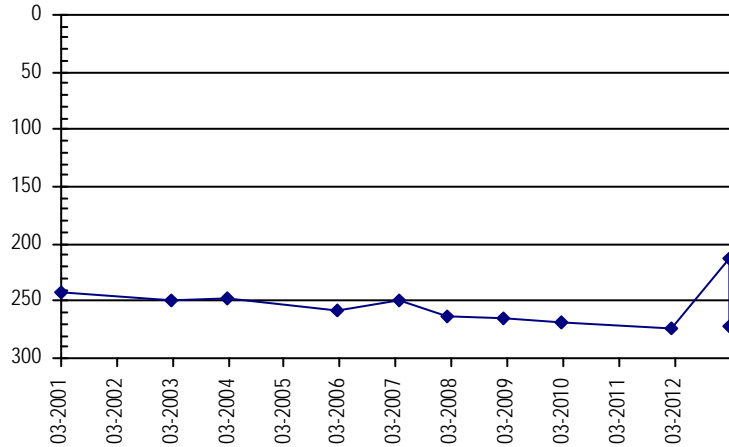
Well Name:	SC02904415C	<i>Owner:</i>	
<i>Permit #:</i>	- -	<i>Location #:</i>	SC02904415C
		<i>USGS Site ID:</i>	
<i>Division:</i>	2	<i>Water District:</i>	67
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10	<i>Section:</i>	
	SW	15	
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4155577.5	<i>Easting (UTM x):</i> 733290.3 <i>Spotted from quarters</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.517685	-102.360291
<i>Surface Elevation (ft):</i>	4045	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	385	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	DAKOTA		
	CHEYENNE		

Water Level Change
1 year: 1.80
5 year: -8.30
10 year: -21.50

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/29/2004	248.20	3796.80	1.60
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	213.30	3831.70	59.80
2/25/2013	271.30	3773.70	-58.00

All Historic Measurements



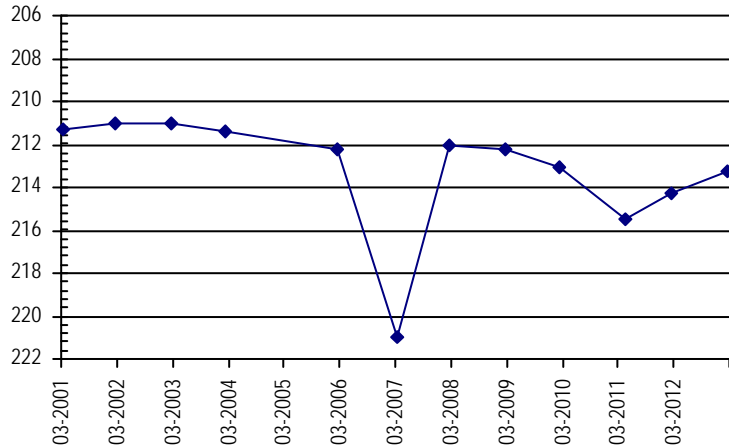
Well Name:	DUNN-RED	<i>Owner:</i>	DUNN-RED
<i>Permit #:</i>	10173 - F -	<i>Location #:</i>	SC02904431CC
		<i>USGS Site ID:</i>	
<i>Division:</i>	2	<i>Water District:</i>	67
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10	<i>Section:</i>	
	SW SW	31	
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4150386.3	<i>Easting (UTM x):</i> 728466.9 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.472148	-102.416432
<i>Surface Elevation (ft):</i>	4093	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	250	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	DAKOTA		
	ALL UNNAMED AQUIFERS		

Water Level Change
1 year: 1.00
5 year: -1.30
10 year: -2.30

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/28/2004	211.40	3881.60	-0.40
2/20/2006	212.20	3880.80	-0.80
3/24/2007	221.00	3872.00	-8.80
2/4/2008	212.00	3881.00	9.00
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: **WILSON,F.** **Owner:** WILSON,F.
Permit #: 3126 - F - **Location #:** SC02904605BCB **USGS Site ID:** 373308102370300

Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
NW SW NW 5 29 S 46 W S **From N/S line:** **From E/W line:**

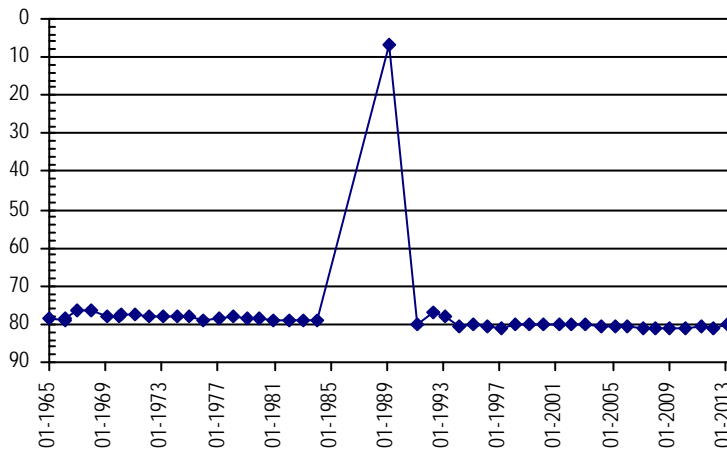
UTM Coordinates (NAD83): **Northing (UTM y):** 4165301.9 **Easting (UTM x):** 716439.1 *GPS*
Latitude/Longitude (decimal degrees): 37.609363 -102.547931

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:** 0.70
Aquifer(s): OGALLALA **5 year:** 0.90
DAKOTA **10 year:** 0.00

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/2/2004	80.80	4301.22	-0.60
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

All Historic Measurements



Well Name: **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:**

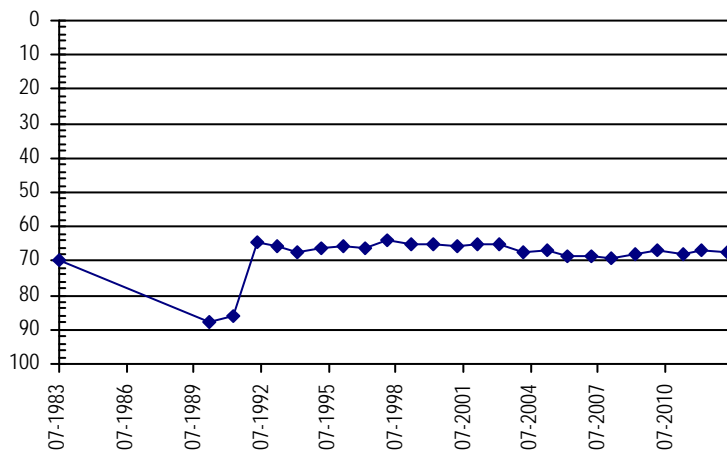
UTM Coordinates (NAD83): **Northing (UTM y):** 4157889.9 **Easting (UTM x):** 708767.0 *GPS*
Latitude/Longitude (decimal degrees): 37.544385 -102.636892

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:** -0.50
Aquifer(s): DAKOTA **5 year:** 1.30
 10 year: -2.40

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/2/2004	67.20	4312.80	-2.00
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

All Historic Measurements



SOUTHERN HIGH PLAINS

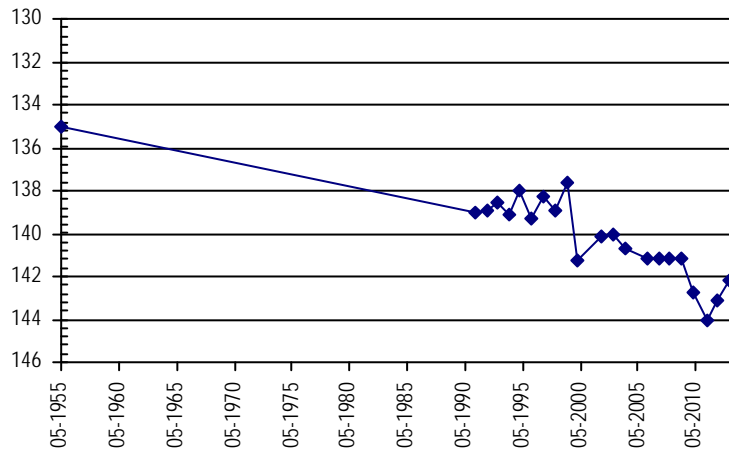
Well Name:	BAMBER, M. R.	<i>Owner:</i>	BAMBER, M. R.	
<i>Permit #:</i>	593 - RN -	<i>Location #:</i>	SC02904828BBB	
<i>USGS Site ID:</i>				
<i>Division:</i>	2	<i>Water District:</i>	67	<i>County:</i> BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp	Range	PM
	NW NW NW 28	29 S	48 W S	
			<i>Distance from section lines:</i>	
			<i>From N/S line:</i>	<i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4152303.9	<i>Easting (UTM x):</i>	692808.8 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>	37.497548		-102.818869	
<i>Surface Elevation (ft):</i>	4675	<i>Top Perforated Interval (ft):</i>	350	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	401	<i>Bottom Perforated Interval (ft):</i>	401	
<i>Aquifer(s):</i>	DAKOTA CHEYENNE			

Water Level Change
1 year: 0.90
5 year: -1.00
10 year: -2.20

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/2/2004	140.70	4534.30	-0.70
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

All Historic Measurements



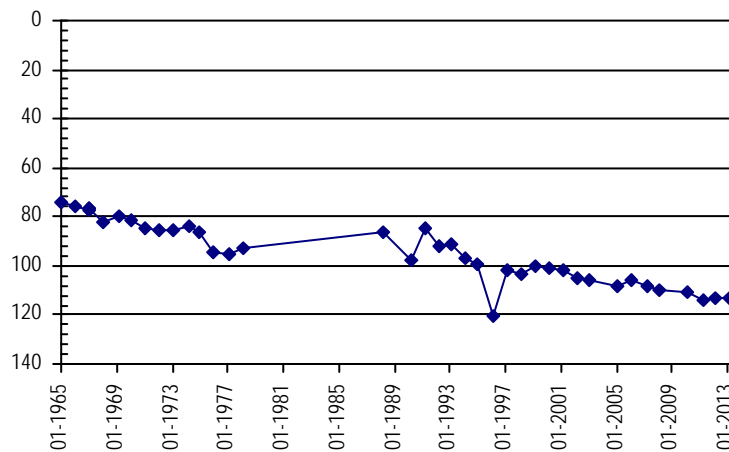
Well Name:	DILLINGER, ARDEN	<i>Owner:</i>	DILLINGER, ARDEN	
<i>Permit #:</i>	5472 - F -	<i>Location #:</i>	SC03004120CBB	
<i>USGS Site ID:</i>	372511102042000			
<i>Division:</i>	2	<i>Water District:</i>	66	<i>County:</i> BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp	Range	PM
	SW NW NW 20	30 S	41 W S	
			<i>Distance from section lines:</i>	
			<i>From N/S line:</i>	<i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4145401.3	<i>Easting (UTM x):</i>	759052.6 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>	37.419208		-102.072699	
<i>Surface Elevation (ft):</i>	3685.43	<i>Top Perforated Interval (ft):</i>		<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	150	<i>Bottom Perforated Interval (ft):</i>		
<i>Aquifer(s):</i>	OGALLALA			

Water Level Change
1 year: 0.40
5 year: -3.10
10 year: -6.70

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

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: **SPIRITUAL SC. CHURCH**

Owner: SPIRITUAL SC. CHURCH

Permit #: 3351 - F - **Location #:** SC03004217BCB

USGS Site ID:

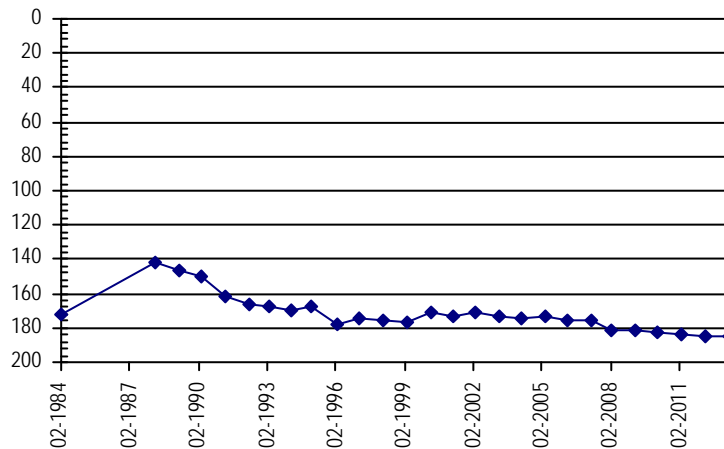
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW SW NW 17 30 S 42 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4146146.7 **Easting (UTM x):** 749254.2 *GPS*
Latitude/Longitude (decimal degrees): 37.428608 -102.183045

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:** 0.20
Aquifer(s): DAKOTA **5 year:** -3.50
 CHEYENNE **10 year:** -11.10

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/27/2004	174.30	3655.70	-0.90
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

All Historic Measurements



Well Name: **HUME, ROD**

Owner: HUME, ROD

Permit #: 19206 - F - **Location #:** SC03004234BBB

USGS Site ID:

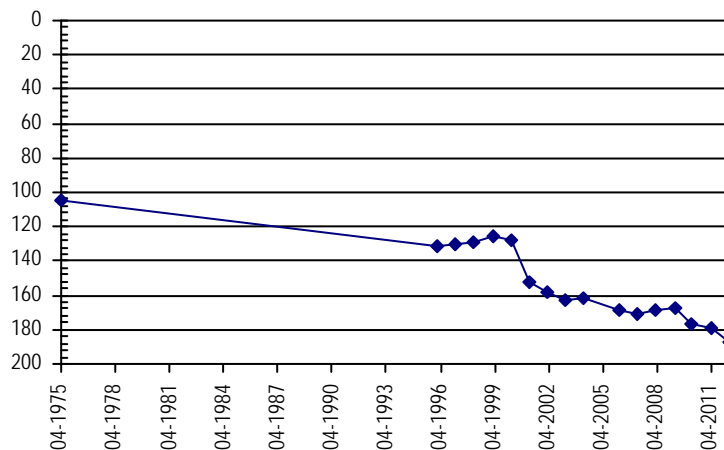
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NW SE 34 30 S 42 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4142585.1 **Easting (UTM x):** 752925.0 *GPS*
Latitude/Longitude (decimal degrees): 37.395549 -102.142825

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

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/19/2004	161.50	3618.50	1.00
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			

All Historic Measurements



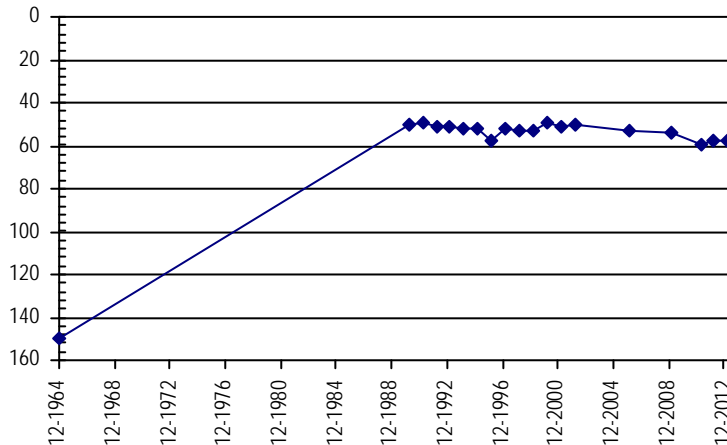
SOUTHERN HIGH PLAINS

Well Name: **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):* 4150220.0 *Easting (UTM x):* 744424.5 *GPS*
Latitude/Longitude (decimal degrees): 37.466569 -102.236220
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:** -0.20
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

All Historic Measurements

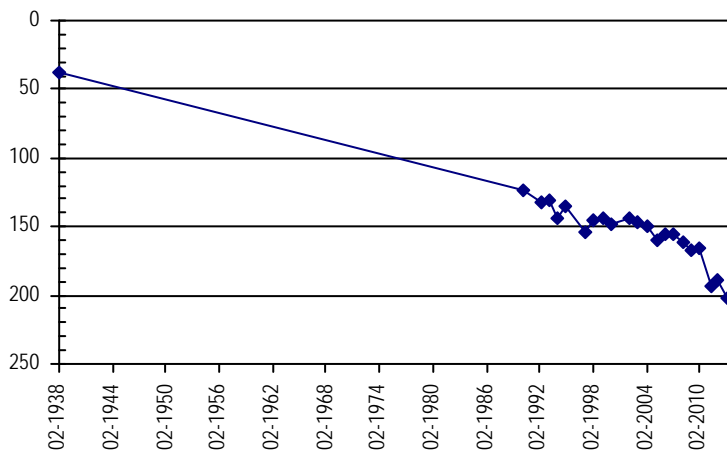


Well Name: **HUME, CHARLES** **Owner:** HUME, CHARLES
Permit #: 2503 - F - **Location #:** SC03004309BBB **USGS Site ID:**
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NW NW 9 30 S 43 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): *Northing (UTM y):* 4148883.7 *Easting (UTM x):* 741253.7 *GPS*
Latitude/Longitude (decimal degrees): 37.455370 -102.272473
Surface Elevation (ft): 3923 *Top Perforated Interval (ft):* *Base of grout (ft):* **Water Level Change**
Well depth (ft): 631 *Bottom Perforated Interval (ft):* **1 year:** -12.50
Aquifer(s): DAKOTA **5 year:** -40.30
 CHEYENNE **10 year:** -54.00

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/29/2004	149.70	3773.30	-2.20
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

All Historic Measurements



SOUTHERN HIGH PLAINS

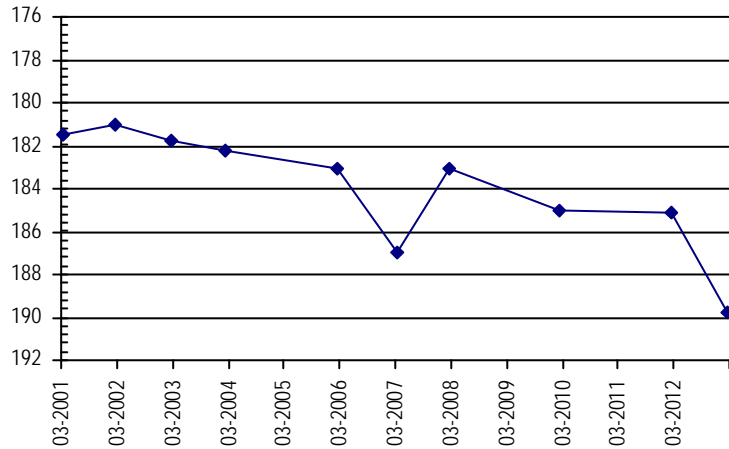
Well Name:	AUSTIN	<i>Owner:</i>	AUSTIN
<i>Permit #:</i>	16982 - F -	<i>Location #:</i>	SC03004421AB
		<i>USGS Site ID:</i>	
<i>Division:</i>	2	<i>Water District:</i>	67
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	NE NW 21 30 S 44 W S		<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4145309.5	<i>Easting (UTM x):</i> 732612.7 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.425401	-102.371196
<i>Surface Elevation (ft):</i>	4050	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	261	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	DAKOTA CHEYENNE		

Water Level Change
1 year: -4.70
5 year: -6.70
10 year: -8.00

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/29/2004	182.20	3867.80	-0.40
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

All Historic Measurements



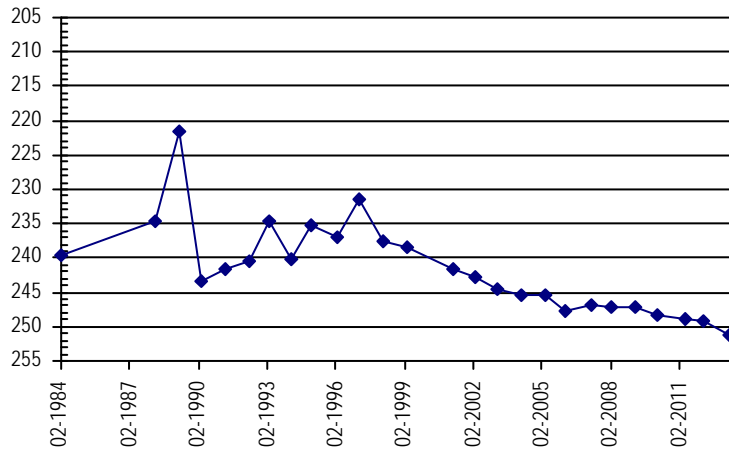
Well Name:	B & L FARMS	<i>Owner:</i>	B & L FARMS
<i>Permit #:</i>	10452 - F -	<i>Location #:</i>	SC03004513CCC
		<i>USGS Site ID:</i>	
<i>Division:</i>	2	<i>Water District:</i>	67
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SW SW SW 13 30 S 45 W S		<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4145436.0	<i>Easting (UTM x):</i> 726804.0 <i>Digitized off map</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.427981	-102.436741
<i>Surface Elevation (ft):</i>	4148	<i>Top Perforated Interval (ft):</i>	260
<i>Well depth (ft):</i>	330	<i>Bottom Perforated Interval (ft):</i>	330
<i>Aquifer(s):</i>	CHEYENNE		

Water Level Change
1 year: -2.10
5 year: -4.10
10 year: -6.80

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/2/2004	245.40	3902.60	-1.00
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

All Historic Measurements



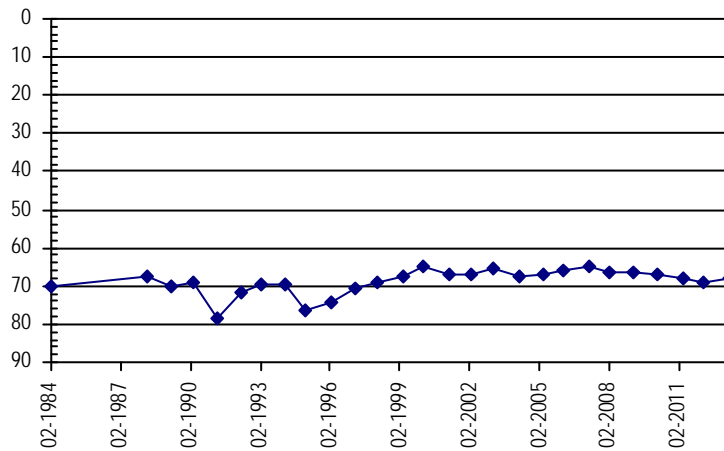
SOUTHERN HIGH PLAINS

Well Name: **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):** 4142564.0 **Easting (UTM x):** 718392.0 *Digitized off map*
Latitude/Longitude (decimal degrees): 37.404141 -102.532578
Surface Elevation (ft): 4238 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): **Bottom Perforated Interval (ft):** **1 year:** 0.90
Aquifer(s): DAKOTA **5 year:** -2.00
10 year: -2.90

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/2/2004	67.30	4170.70	-2.00
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

All Historic Measurements

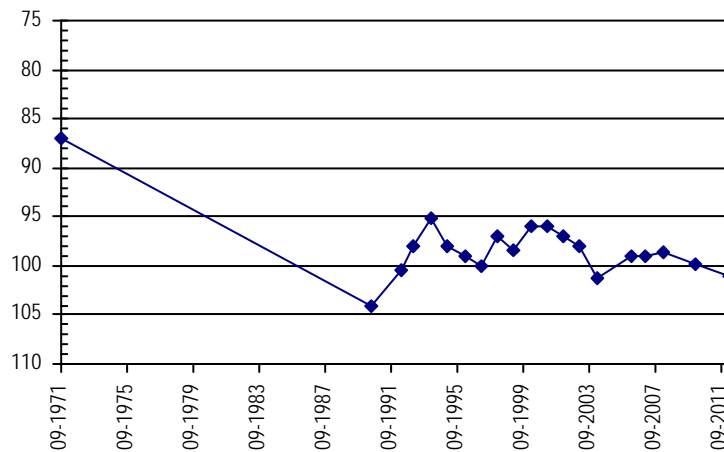


Well Name: **TWN.OF SPRINGFIELD** **Owner:** TWN.OF SPRINGFIELD
Permit #: 15430 - F - **Location #:** SC03004631AC **USGS Site ID:**
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE SW 31 30 S 46 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4141093.0 **Easting (UTM x):** 710072.0 *Digitized off map*
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:**
Aquifer(s): DAKOTA **5 year:**
10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/10/2004	101.25	4290.75	-3.25
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	
3/1/2013			

All Historic Measurements



SOUTHERN HIGH PLAINS

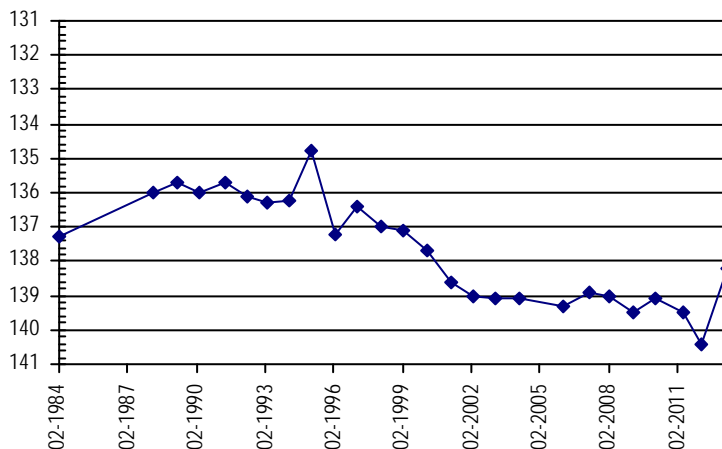
Well Name:	MINNICK, W & E	<i>Owner:</i>	MINNICK, W & E
<i>Permit #:</i>	11339 - F -	<i>Location #:</i>	SC03004827ADD
		<i>USGS Site ID:</i>	
<i>Division:</i>	2	<i>Water District:</i>	67
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	NE SE SE 27	30 S 48 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4142109.3	<i>Easting (UTM x):</i> 696087.8 <i>Spotted from quarters</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.405035	-102.784512
<i>Surface Elevation (ft):</i>	4669	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	100	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	ALL UNNAMED AQUIFERS		

Water Level Change
1 year: 2.20
5 year: 0.80
10 year: 0.90

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/2/2004	139.10	4529.90	0.00
2/20/2006	139.30	4529.70	-0.20
3/24/2007	138.90	4530.10	0.40
2/8/2008	139.00	4530.00	-0.10
2/6/2009	139.50	4529.50	-0.50
2/24/2010	139.10	4529.90	0.40
4/12/2011	139.50	4529.50	-0.40
2/24/2012	140.40	4528.60	-0.90
3/8/2013	138.20	4530.80	2.20

All Historic Measurements



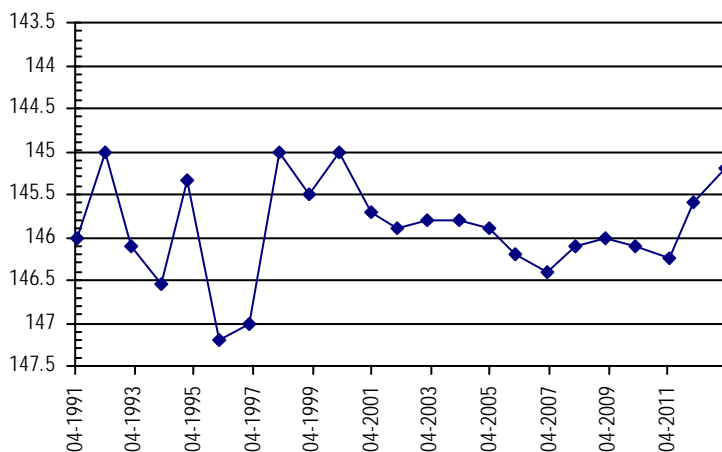
Well Name:	JESSER, HARVEY	<i>Owner:</i>	JESSER, HARVEY
<i>Permit #:</i>	16299 - F -	<i>Location #:</i>	SC03004911BB
		<i>USGS Site ID:</i>	
<i>Division:</i>	2	<i>Water District:</i>	67
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	NW NW 11	30 S 49 W S	<i>From N/S line:</i> 2615 S <i>From E/W line:</i> 25 W
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4146604.0	<i>Easting (UTM x):</i> 686416.1 <i>Spotted from section lines</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.447518	-102.892583
<i>Surface Elevation (ft):</i>	4780	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	350	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	DAKOTA		

Water Level Change
1 year: 0.40
5 year: 0.90
10 year: 0.60

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/2/2004	145.80	4634.20	0.00
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

All Historic Measurements



SOUTHERN HIGH PLAINS

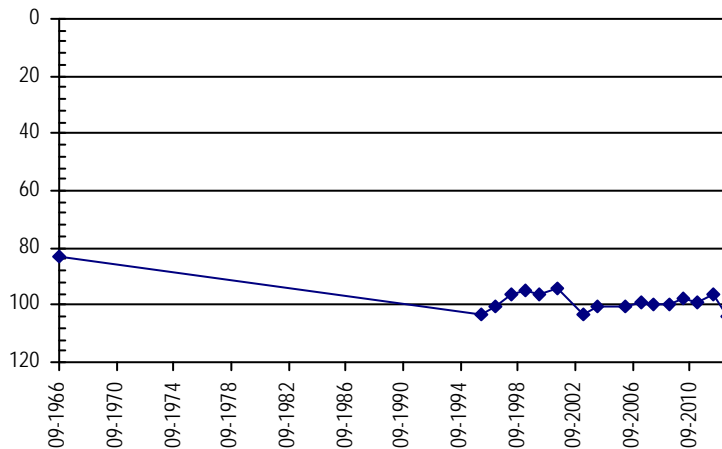
Well Name:	C.D.M. TRUST	<i>Owner:</i>	C.D.M. TRUST
<i>Permit #:</i>	13002 - R -	<i>Location #:</i>	SC03104108CAD
<i>USGS Site ID:</i>			
<i>Division:</i>	2	<i>Water District:</i>	66
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SW NE SE 8	31 S 41 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4138326.8	<i>Easting (UTM x):</i> 760480.4 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.355124	-102.059076
<i>Surface Elevation (ft):</i>	3688	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	140	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	OGALLALA		

Water Level Change
1 year: -7.60
5 year: -4.20
10 year: -1.10

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/16/2004	100.50	3587.50	2.60
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

All Historic Measurements



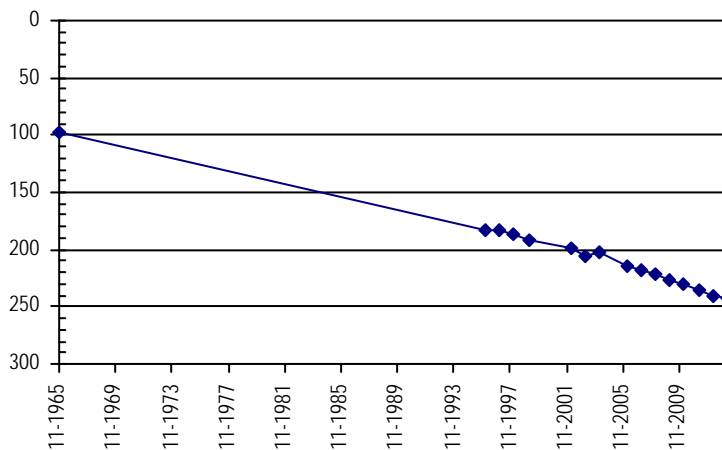
Well Name:	MOORE, JOHN M.	<i>Owner:</i>	MOORE, JOHN M.
<i>Permit #:</i>	10290 - F -	<i>Location #:</i>	SC03104230BAA
<i>USGS Site ID:</i>			
<i>Division:</i>	2	<i>Water District:</i>	66
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	NW NE NE 30	31 S 42 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4134516.7	<i>Easting (UTM x):</i> 748402.2 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.324132	-102.196566
<i>Surface Elevation (ft):</i>	3830	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	380	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	DOCKUM		

Water Level Change
1 year: -1.10
5 year: -20.50
10 year: -36.50

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/19/2004	202.80	3627.20	3.20
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

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: MEASE, JAMES

Owner: MEASE, JAMES

Permit #: 43852 - F -

Location #: SC03104231DDC

USGS Site ID:

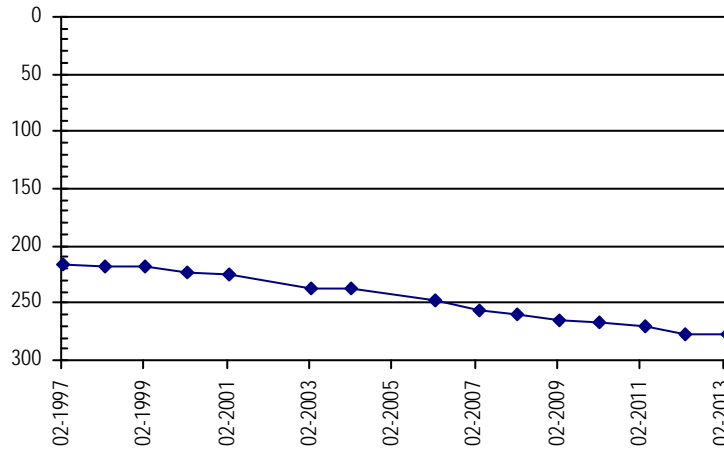
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section **Twnshp** **Range** **PM** **Distance from section lines:**
 SE SE SW 31 31 S 42 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4130806.7 **Easting (UTM x):** 747033.2 *GPS*
Latitude/Longitude (decimal degrees): 37.291095 -102.213234

Surface Elevation (ft): 3820 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 412 **Bottom Perforated Interval (ft):** **1 year:** -1.20
Aquifer(s): DOCKUM **5 year:** -17.50
 10 year: -40.60

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/16/2004	237.00	3583.00	0.20
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

All Historic Measurements



Well Name: MOORE, JOHN

Owner: MOORE, JOHN

Permit #: 10620 - F -

Location #: SC03104232BDD

USGS Site ID:

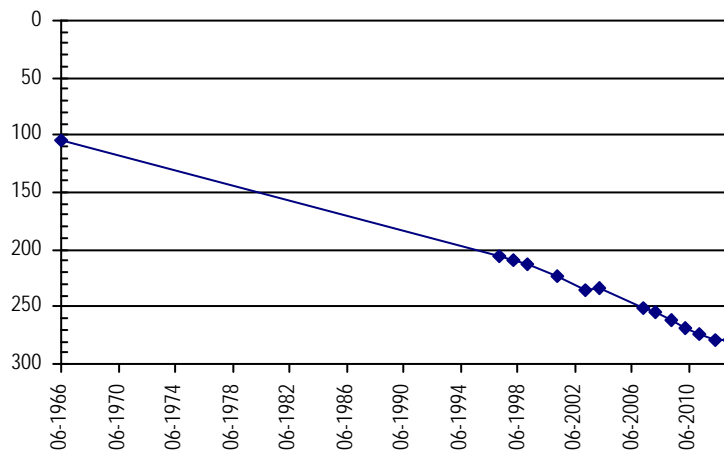
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section **Twnshp** **Range** **PM** **Distance from section lines:**
 NW SE SE 32 31 S 42 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4134500.7 **Easting (UTM x):** 748113.2 *GPS*
Latitude/Longitude (decimal degrees): 37.324065 -102.199830

Surface Elevation (ft): 3805 **Top Perforated Interval (ft):** 125 **Base of grout (ft):** **Water Level Change**
Well depth (ft): 410 **Bottom Perforated Interval (ft):** 410 **1 year:** -0.30
Aquifer(s): DOCKUM **5 year:** -25.80
 10 year: -43.80

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/16/2004	234.00	3571.00	2.00
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

All Historic Measurements



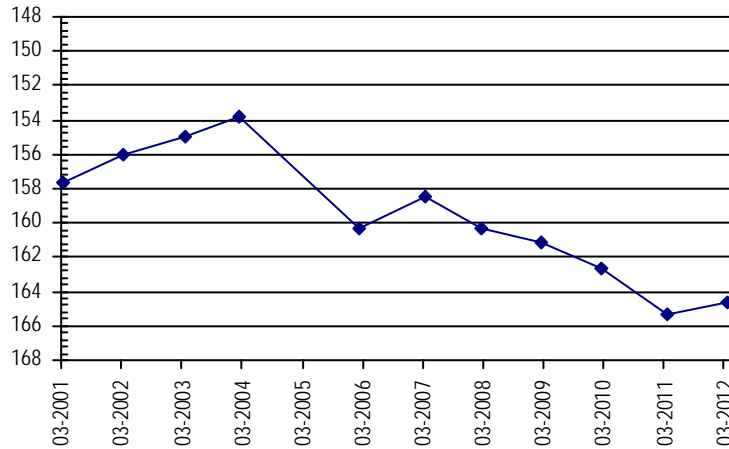
SOUTHERN HIGH PLAINS

Well Name: **HOLT** **Owner:** HOLT
Permit #: 3573 - F - **Location #:** SC03104308BC **USGS Site ID:**
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp 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):** 739560.0 *Digitized off map*
Latitude/Longitude (decimal degrees): 37.362742 -102.294952
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:**
CHEYENNE **10 year:**

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/18/2004	153.80	3806.20	1.20
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			

All Historic Measurements

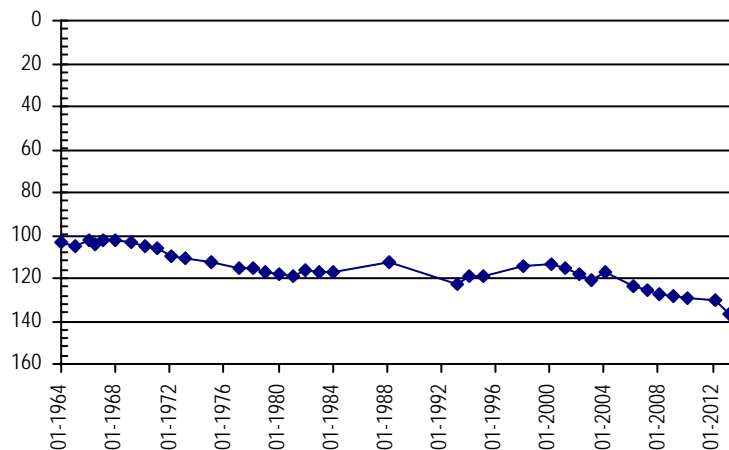


Well Name: **BURCHFIELD, W.K.** **Owner:** BURCHFIELD, W.K.
Permit #: 2529 - F - **Location #:** SC03104333BAA **USGS Site ID:** 371832102160900
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
NW NE NE 33 31 S 43 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4132680.0 **Easting (UTM x):** 741972.0 *Digitized off map*
Latitude/Longitude (decimal degrees): 37.309292 -102.269659
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:** -6.80
Aquifer(s): DOCKUM **5 year:** -9.30
 10 year: -15.50

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/17/2004	116.80	3804.76	4.50
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

All Historic Measurements



SOUTHERN HIGH PLAINS

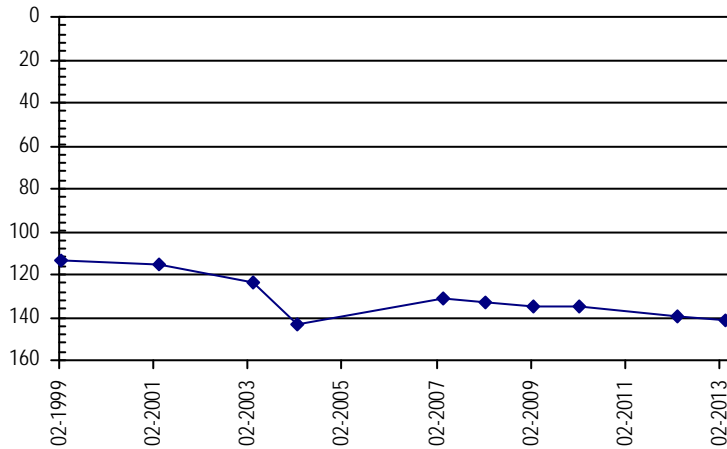
Well Name:	LOFLIN, L	<i>Owner:</i>	LOFLIN, L
<i>Permit #:</i>	13835 - R -	<i>Location #:</i>	SC03104412CC
<i>USGS Site ID:</i>			
<i>Division:</i>	2	<i>Water District:</i>	67
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SW SW 12 31 S 44 W S		<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4137295.0	<i>Easting (UTM x):</i> 735311.0 <i>User supplied</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.352556	-102.343281
<i>Surface Elevation (ft):</i>	4031	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	219	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	OGALLALA		

Water Level Change
1 year: -2.70
5 year: -8.80
10 year: -18.00

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/18/2004	143.30	3887.70	-19.50
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

All Historic Measurements



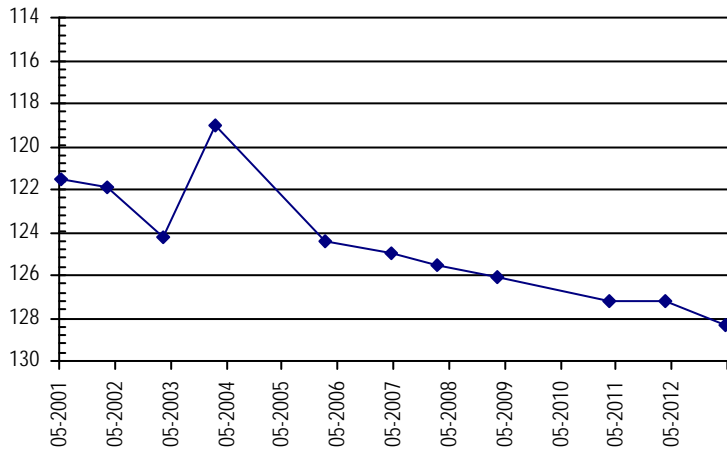
Well Name:	WILSON, MACK	<i>Owner:</i>	WILSON, MACK
<i>Permit #:</i>	2796 - F -	<i>Location #:</i>	SC03104522CB
<i>USGS Site ID:</i>			
<i>Division:</i>	2	<i>Water District:</i>	67
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SW NW 22 31 S 45 W S		<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4135054.7	<i>Easting (UTM x):</i> 722954.9 <i>User supplied</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.335432	-102.483332
<i>Surface Elevation (ft):</i>	4188	<i>Top Perforated Interval (ft):</i>	80
<i>Well depth (ft):</i>	352	<i>Bottom Perforated Interval (ft):</i>	352
<i>Aquifer(s):</i>	OGALLALA DAKOTA		

Water Level Change
1 year: -1.10
5 year: -2.80
10 year: -4.10

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/27/2004	119.00	4069.00	5.20
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

All Historic Measurements



SOUTHERN HIGH PLAINS

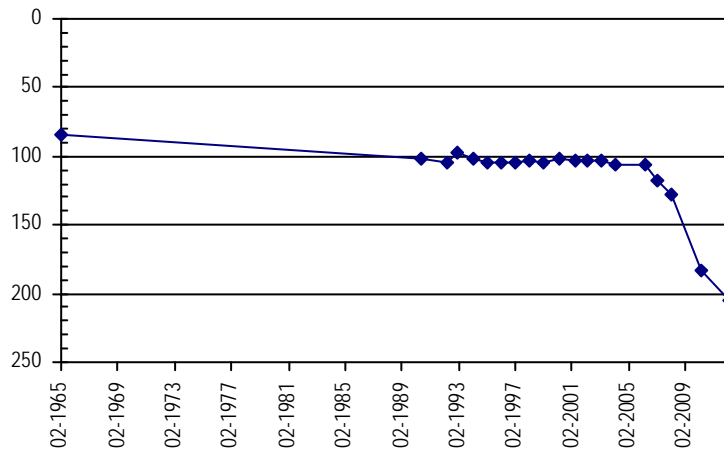
Well Name:	TWN.OF SPRINGFIELD	<i>Owner:</i>	TWN.OF SPRINGFIELD
<i>Permit #:</i>	6837 - F -	<i>Location #:</i>	SC03104604BC
<i>USGS Site ID:</i>			
<i>Division:</i>	2	<i>Water District:</i>	67
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	NW SW 4 31 S 46 W S		<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4139215.0	<i>Easting (UTM x):</i> 711351.0 <i>User supplied</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.375613	-102.613021
<i>Surface Elevation (ft):</i>	4403	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	360	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	OGALLALA		
	DAKOTA		

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)
2/10/2004	106.25	4296.75	-2.95
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	
3/1/2013			

All Historic Measurements



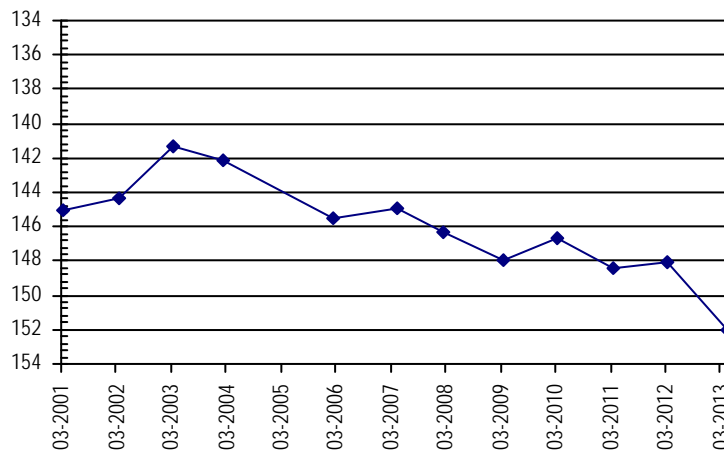
Well Name:	HUMPHREY	<i>Owner:</i>	HUMPHREY
<i>Permit #:</i>	10685 - F -	<i>Location #:</i>	SC03104632AB
<i>USGS Site ID:</i>			
<i>Division:</i>	2	<i>Water District:</i>	66
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	NE NW 32 31 S 46 W S		<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4131709.0	<i>Easting (UTM x):</i> 710899.0 <i>Digitized off map</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.308116	-102.620257
<i>Surface Elevation (ft):</i>	4432	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	400	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	DAKOTA		
	CHEYENNE		

Water Level Change
1 year: -3.90
5 year: -5.70
10 year: -10.70

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/18/2004	142.10	4289.90	-0.80
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

All Historic Measurements



SOUTHERN HIGH PLAINS

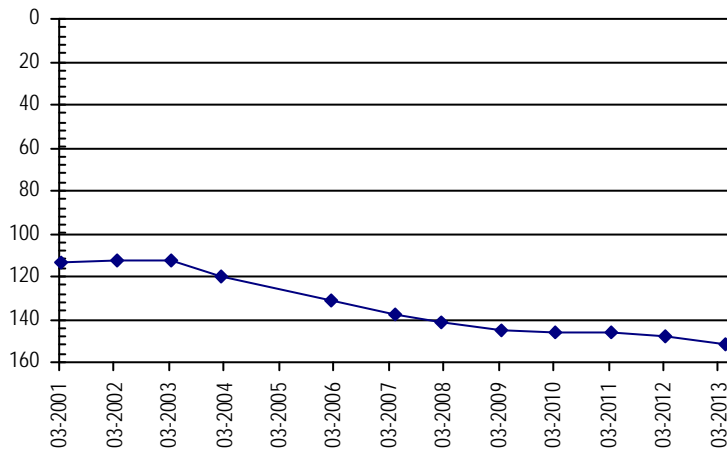
Well Name:	TROY BISHOP	<i>Owner:</i>	TROY BISHOP
<i>Permit #:</i>	19969 - F -	<i>Location #:</i>	SC03104714CD
		<i>USGS Site ID:</i>	
<i>Division:</i>	2	<i>Water District:</i>	66
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SW SE 14	31 S 47 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4134848.0	<i>Easting (UTM x):</i> 705638.0 <i>Digitized off map</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.337566	-102.678706
<i>Surface Elevation (ft):</i>	4590	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	560	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	OGALLALA DAKOTA		

Water Level Change
1 year: -3.80
5 year: -10.40
10 year: -38.60

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/27/2004	120.30	4469.70	-7.50
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



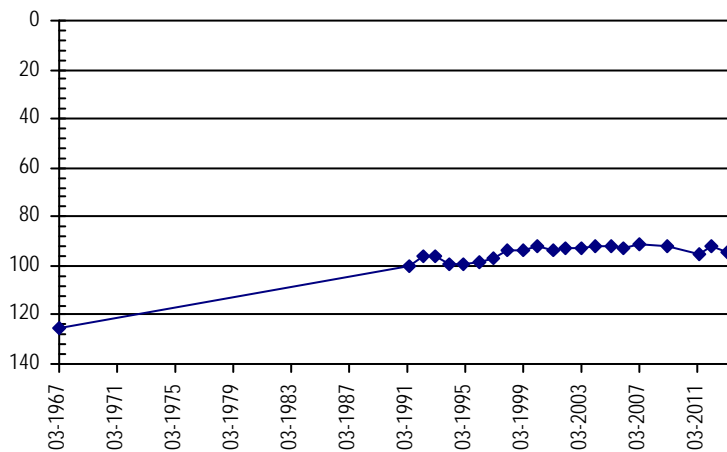
Well Name:	KIRKENDALL,RBT.	<i>Owner:</i>	KIRKENDALL,RBT.
<i>Permit #:</i>	29877 - P -	<i>Location #:</i>	SC03104821CAD
		<i>USGS Site ID:</i>	
<i>Division:</i>	2	<i>Water District:</i>	66
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SW NE SE 21	31 S 48 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4133361.8	<i>Easting (UTM x):</i> 692752.8 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.326943	-102.824445
<i>Surface Elevation (ft):</i>	4738	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	245	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	DAKOTA		

Water Level Change
1 year: -2.50
5 year:
10 year: -1.70

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/2/2004	92.00	4646.00	0.60
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

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: US FOREST SERVICE

Owner: US FOREST SERVICE

Permit #: 115545 - -

Location #: SC03105007ACC

USGS Site ID:

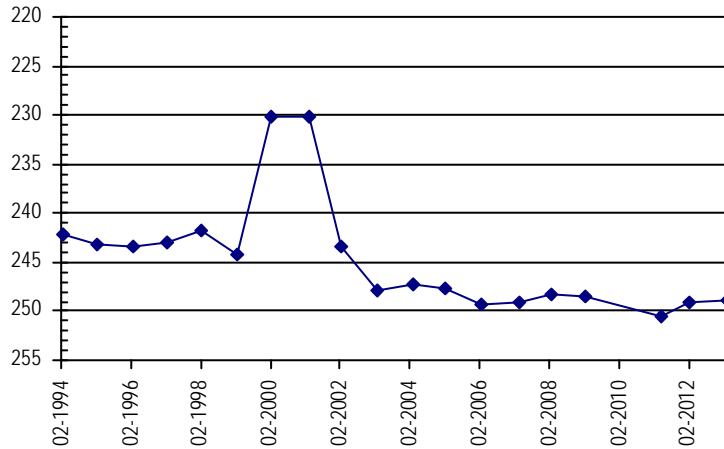
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE SW SW 7 31 S 50 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): Northing (UTM y): 4136465.0 Easting (UTM x): 670348.8 GPS
Latitude/Longitude (decimal 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:** 0.30
Aquifer(s): DAKOTA **5 year:** -0.60
 CHEYENNE **10 year:** -1.00

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/2/2004	247.20	4945.80	0.60
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

All Historic Measurements



Well Name: HUME,J.

Owner: HUME,J.

Permit #: 16087 - F -

Location #: SC03204105BCC

USGS Site ID:

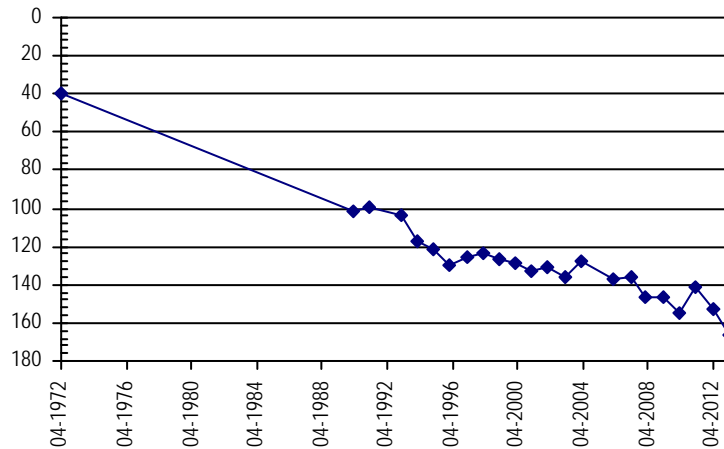
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW SW SW 5 32 S 41 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): Northing (UTM y): 4130742.0 Easting (UTM x): 759168.0 Digitized off map
Latitude/Longitude (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:** -14.30
Aquifer(s): OGALLALA **5 year:** -20.90
 DOCKUM **10 year:** -30.60

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/16/2004	127.50	3564.50	8.80
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: VILAS CEMETERY

Owner: VILAS CEMETARY

Permit #: 11677 - F - Location #: SC03204204BC

USGS Site ID:

Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section: NW SW 4 Twnshp: 32 S Range: 42 W S PM: Distance from section lines:
UTM Coordinates (NAD83): Northing (UTM y): 4130806.7 Easting (UTM x): 747022.2 *GPS*
Latitude/Longitude (decimal degrees): 37.291097 -102.213357

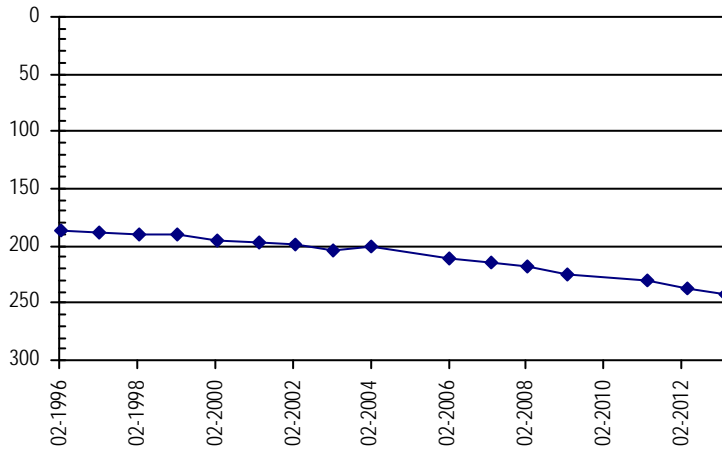
Surface Elevation (ft): 4100 **Top Perforated Interval (ft):** 200 **Base of grout (ft):**
Well depth (ft): 300 **Bottom Perforated Interval (ft):**
Aquifer(s): DOCKUM

Water Level Change
1 year: -6.20
5 year: -24.70
10 year: -39.70

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/16/2004	201.00	3899.00	2.50
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

All Historic Measurements



Well Name: BILL WRIGHT

Owner: BILL WRIGHT

Permit #: 17021 - F - Location #: SC03204207CAC

USGS Site ID:

Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section: SW NE SW 7 Twnshp: 32 S Range: 42 W S PM: Distance from section lines:
UTM Coordinates (NAD83): Northing (UTM y): 4127316.0 Easting (UTM x): 746321.0 *User supplied*
Latitude/Longitude (decimal degrees): 37.259855 -102.222415

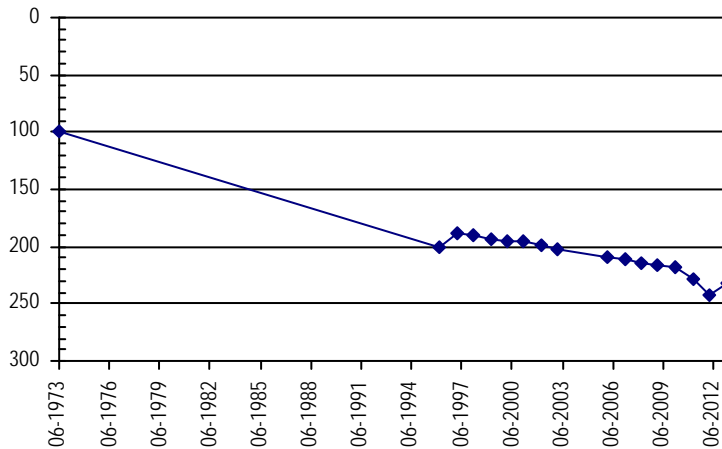
Surface Elevation (ft): 3828 **Top Perforated Interval (ft):** **Base of grout (ft):**
Well depth (ft): 478 **Bottom Perforated Interval (ft):**
Aquifer(s): OGALLALA
DOCKUM

Water Level Change
1 year: 9.30
5 year: -18.30
10 year: -30.70

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

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: HUME, CHESNA

Owner: HUME, CHESNA

Permit #: 13925 - F -

Location #: SC03204235DCB

USGS Site ID:

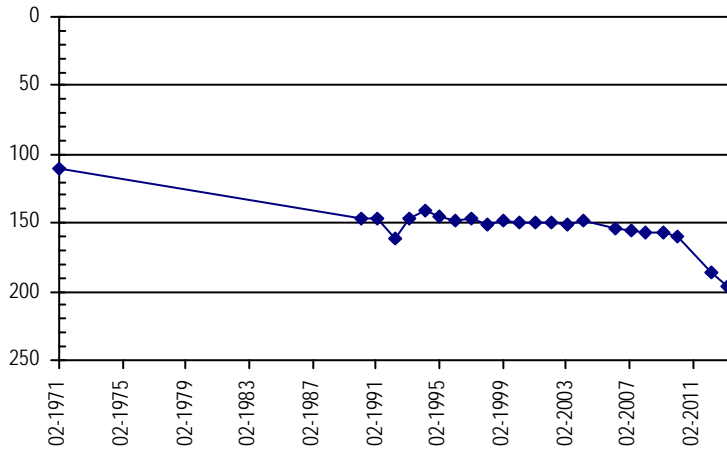
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section **Twnshp** **Range** **PM** **Distance from section lines:**
 SE SW NW 35 32 S 42 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4122100.0 **Easting (UTM x):** 755388.0 *Digitized off map*
Latitude/Longitude (decimal degrees): 37.210456 -102.122076

Surface Elevation (ft): 3759 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 408 **Bottom Perforated Interval (ft):** **1 year:** -10.20
Aquifer(s): OGALLALA **5 year:** -38.80
 DAKOTA **10 year:** -43.90

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/16/2004	148.30	3610.70	3.50
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

All Historic Measurements



Well Name: WRIGHT, WM. F.& FERN

Owner: WRIGHT, WM. F.& FERN

Permit #: 15349 - F -

Location #: SC03204301ABB

USGS Site ID:

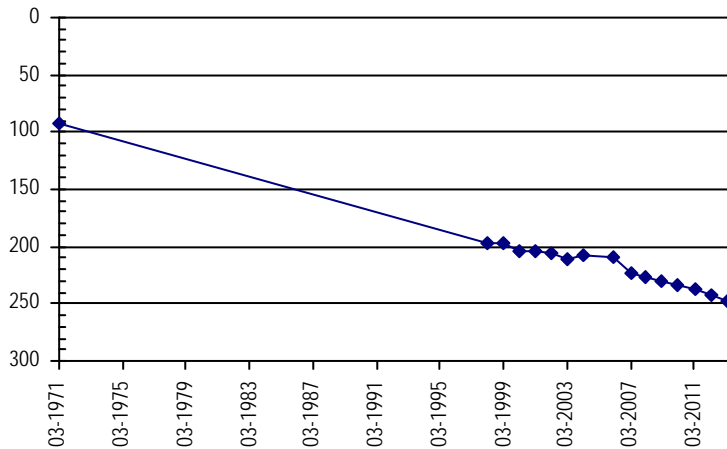
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section **Twnshp** **Range** **PM** **Distance from section lines:**
 NE NW NW 1 32 S 43 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4130800.0 **Easting (UTM x):** 747038.0 *Digitized off map*
Latitude/Longitude (decimal degrees): 37.291033 -102.213182

Surface Elevation (ft): 3838 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 436 **Bottom Perforated Interval (ft):** **1 year:** -6.00
Aquifer(s): DOCKUM **5 year:** -21.70
 ALL UNNAMED AQUIFERS **10 year:** -37.70

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/16/2004	207.90	3630.10	2.40
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

All Historic Measurements



SOUTHERN HIGH PLAINS

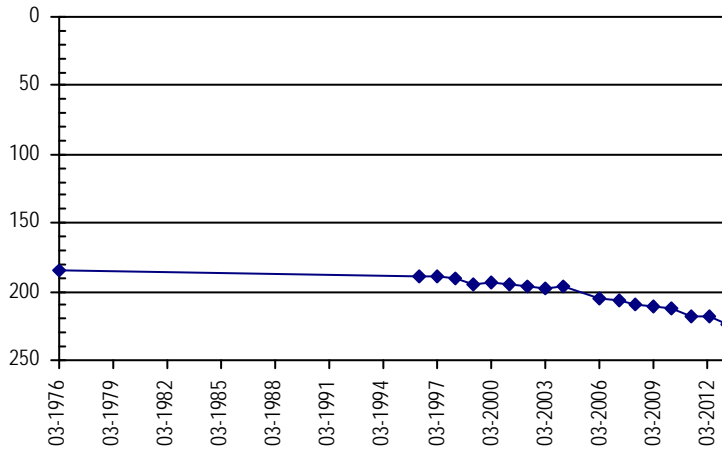
Well Name:	JIM BURHN	<i>Owner:</i>	JIM BURHN
<i>Permit #:</i>	20402 - F -	<i>Location #:</i>	SC03204312CDC
<i>USGS Site ID:</i>			
<i>Division:</i>	2	<i>Water District:</i>	66
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SW SE SW 12	32 S 43 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4131232.7	<i>Easting (UTM x):</i> 749279.3 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.294331	-102.187780
<i>Surface Elevation (ft):</i>	3838	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	555	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	DOCKUM		
	ALL UNNAMED AQUIFERS		

Water Level Change
1 year: -5.00
5 year: -14.00
10 year: -25.10

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/17/2004	196.50	3641.50	1.90
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

All Historic Measurements



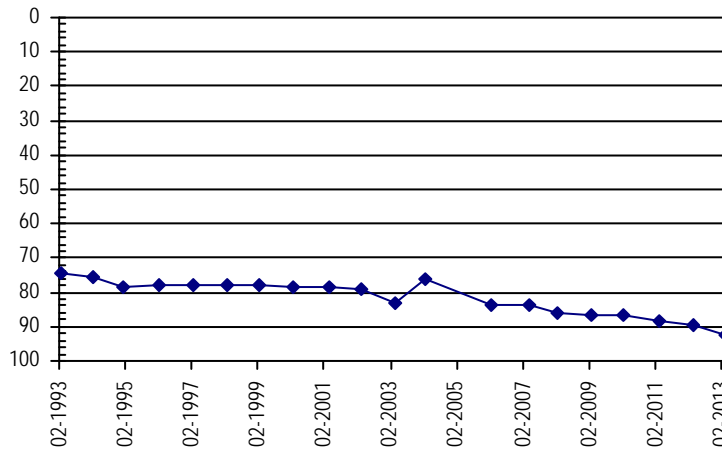
Well Name:	COGBURN-HARDY FARMS	<i>Owner:</i>	COGBURN-HARDY FARMS
<i>Permit #:</i>	- -	<i>Location #:</i>	SC03204407DCC
<i>USGS Site ID:</i>			
<i>Division:</i>	2	<i>Water District:</i>	66
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SE SW SW 7	32 S 44 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4127511.6	<i>Easting (UTM x):</i> 729647.0 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.265878	-102.410194
<i>Surface Elevation (ft):</i>	4167	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	220	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	OGALLALA		

Water Level Change
1 year: -3.10
5 year: -6.70
10 year: -9.50

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/18/2004	76.00	4091.00	7.00
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

All Historic Measurements



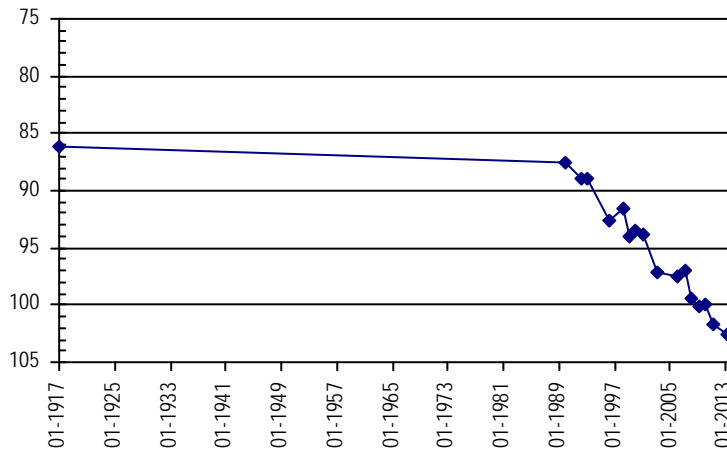
SOUTHERN HIGH PLAINS

Well Name: **TURNER** **Owner:** TURNER
Permit #: 10704 - F - **Location #:** SC03204512CCC **USGS Site ID:**
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp 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):** 4127422.0 **Easting (UTM x):** 726920.0 *User supplied*
Latitude/Longitude (decimal degrees): 37.265739 -102.440946
Surface Elevation (ft): 4180 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 100 **Bottom Perforated Interval (ft):** **1 year:**
Aquifer(s): OGALLALA **5 year:** -3.00
 ALL UNNAMED AQUIFERS **10 year:** -5.40

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	

All Historic Measurements

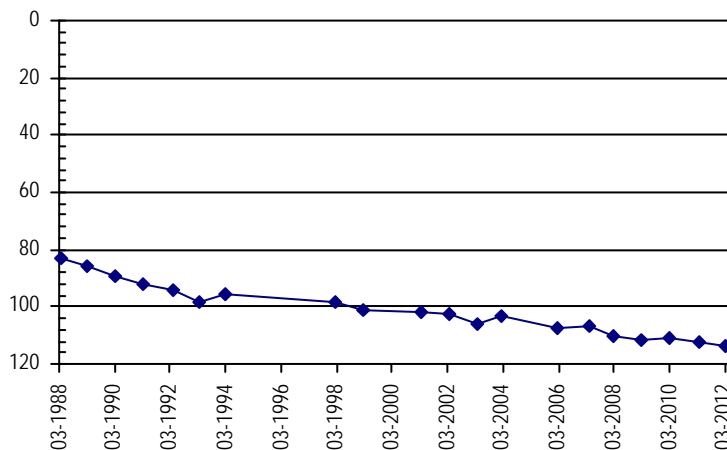


Well Name: **HUME, TIM** **Owner:** HUME, TIM
Permit #: 17551 - - **Location #:** SC03204513BCB **USGS Site ID:**
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW SW NW 13 32 S 45 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4126823.6 **Easting (UTM x):** 726926.9 *GPS*
Latitude/Longitude (decimal degrees): 37.260349 -102.441051
Surface Elevation (ft): 4221 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 180 **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)
2/18/2004	103.00	4118.00	3.20
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			

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: LMS

Owner: LMS

Permit #: 5344 - F - **Location #:** SC03204519DD **USGS Site ID:**

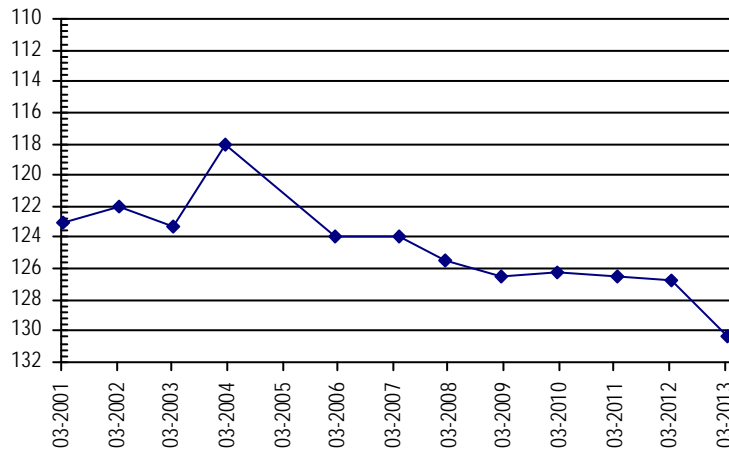
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SE 19 32 S 45 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): Northing (UTM y): 4123923.6 Easting (UTM x): 718321.8 GPS
Latitude/Longitude (decimal degrees): 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:** -3.60
Aquifer(s): OGALLALA **5 year:** -4.80
 Kdp **10 year:** -7.00

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/18/2004	118.00	4202.00	5.30
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

All Historic Measurements



Well Name: CRANE, W.

Owner: CRANE, W.

Permit #: 11187 - F - **Location #:** SC03204609AAD **USGS Site ID:**

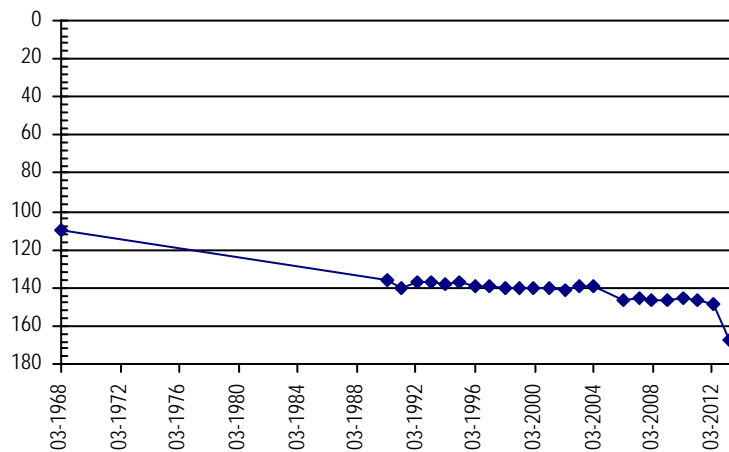
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE NE SE 9 32 S 46 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): Northing (UTM y): 4128197.7 Easting (UTM x): 713026.8 GPS
Latitude/Longitude (decimal 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:** -19.30
Aquifer(s): DAKOTA **5 year:** -21.50
 CHEYENNE **10 year:** -28.20

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/18/2004	139.00	4265.00	0.30
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

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: SC03204732CD

Owner:

Permit #: - -

Location #: SC03204732CD

USGS Site ID:

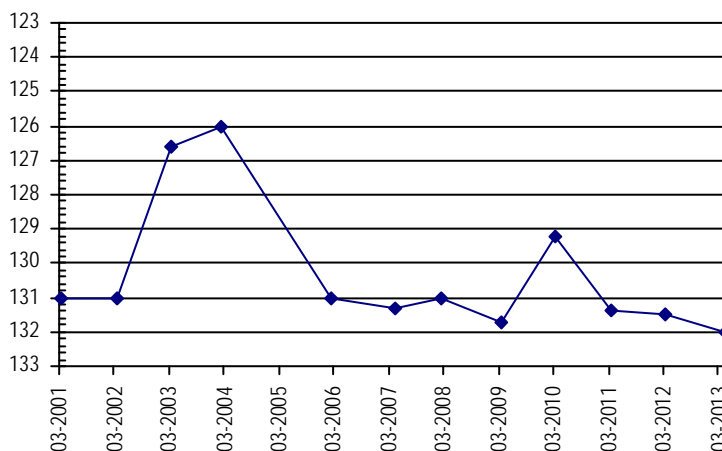
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section **Twnshp** **Range** **PM** **Distance from section lines:**
 SW SE 32 32 S 47 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4115199.5 **Easting (UTM x):** 703082.7 *GPS*
Latitude/Longitude (decimal degrees): 37.161158 -102.712887

Surface Elevation (ft): **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 270 **Bottom Perforated Interval (ft):** **1 year:** -0.50
Aquifer(s): DAKOTA **5 year:** -1.00
 10 year: -5.40

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/27/2004	126.00		0.60
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

All Historic Measurements



Well Name: ARDEN COGBURN

Owner: ARDEN COGBURN

Permit #: 13292 - F -

Location #: SC03304212CBB

USGS Site ID:

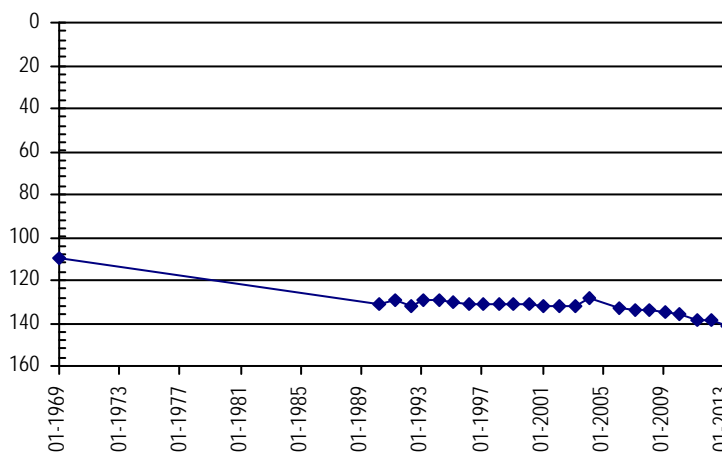
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section **Twnshp** **Range** **PM** **Distance from section lines:**
 SW NW NW 12 33 S 42 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4119209.6 **Easting (UTM x):** 756273.4 *GPS*
Latitude/Longitude (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:** -2.60
Aquifer(s): OGALLALA **5 year:** -7.50
 10 year: -9.20
 DOCKUM

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/16/2004	128.30	3626.70	4.00
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

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: MIDWAY TRUST

Owner: MIDWAY TRUST

Permit #: 21235 - F -

Location #: SC03304313DBB

USGS Site ID:

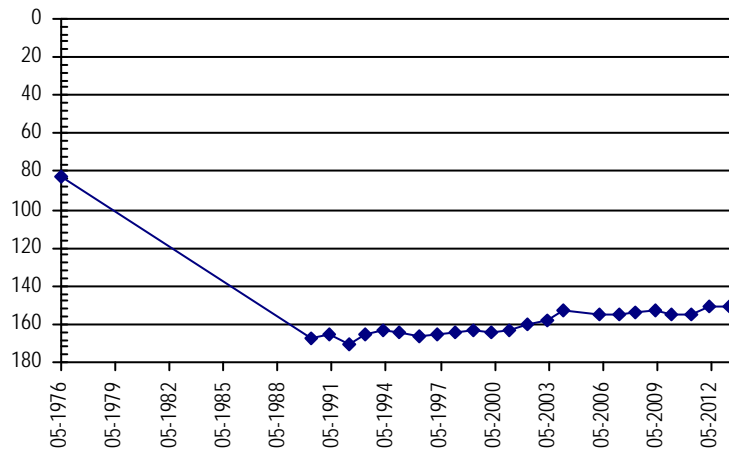
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section **Twnshp** **Range** **PM** **Distance from section lines:**
 SE NW NW 13 33 S 43 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4116841.5 **Easting (UTM x):** 747450.3 *GPS*
Latitude/Longitude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

Surface Elevation (ft): 3880 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 420 **Bottom Perforated Interval (ft):** **1 year:** 0.10
Aquifer(s): DOCKUM **5 year:** 3.30
 10 year: 7.50

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/22/2004	153.00	3727.00	5.40
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

All Historic Measurements



Well Name: STAFFORD BROS.

Owner: STAFFORD BROS.

Permit #: 11026 - F -

Location #: SC03304319DA

USGS Site ID:

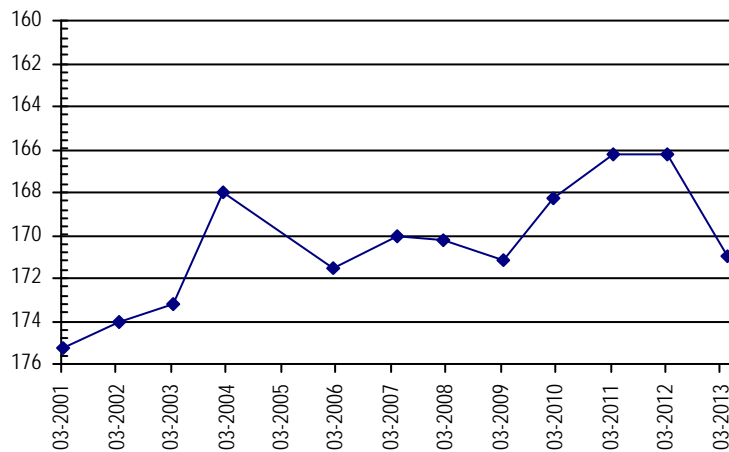
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section **Twnshp** **Range** **PM** **Distance from section lines:**
 SE NE 19 33 S 43 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4115647.5 **Easting (UTM x):** 740212.2 *GPS*
Latitude/Longitude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

Surface Elevation (ft): **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 260 **Bottom Perforated Interval (ft):** **1 year:** -4.80
Aquifer(s): **5 year:** -0.80
 10 year: 2.20

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/22/2004	168.00		5.20
2/25/2006	171.50		-3.50
4/1/2007	170.00		1.50
2/23/2008	170.20		-0.20
3/9/2009	171.20		-1.00
2/27/2010	168.30		2.90
3/6/2011	166.20		2.10
3/19/2012	166.20		0.00
4/21/2013	171.00		-4.80

All Historic Measurements



SOUTHERN HIGH PLAINS

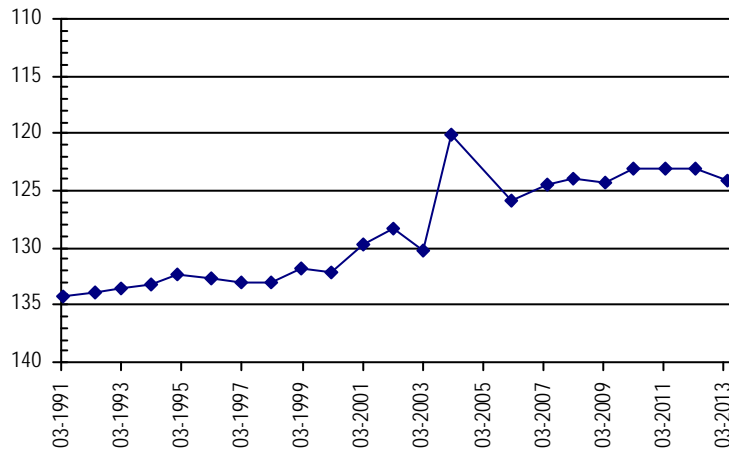
Well Name:	U.S.FOREST SERVICE	<i>Owner:</i>	U.S.FOREST SERVICE
<i>Permit #:</i>	128624 - P -	<i>Location #:</i>	SC03304417CBA
<i>USGS Site ID:</i>			
<i>Division:</i>	2	<i>Water District:</i>	66
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SW NW NE 17	33 S 44 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4116908.5	<i>Easting (UTM x):</i> 729723.0 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.170379	-102.412603
<i>Surface Elevation (ft):</i>	4130	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	240	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	DAKOTA		

Water Level Change
1 year: -1.00
5 year: -0.10
10 year: 6.05

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/22/2004	120.15	4009.85	10.00
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

All Historic Measurements



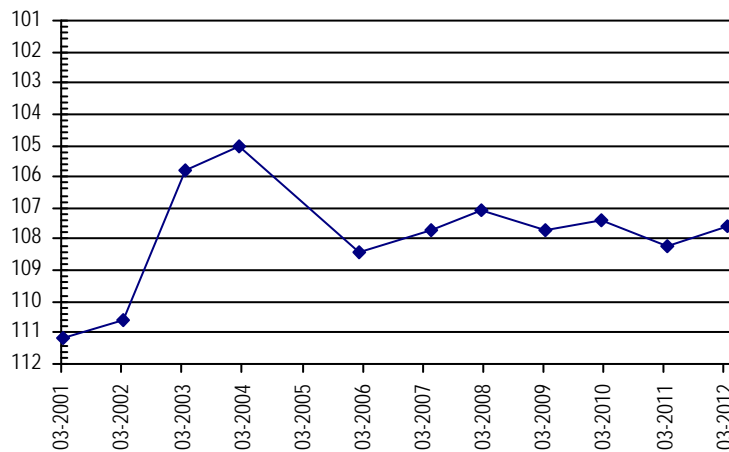
Well Name:	SCHRODER	<i>Owner:</i>	SCHRODER
<i>Permit #:</i>	75961 - -	<i>Location #:</i>	SC03304515DD
<i>USGS Site ID:</i>			
<i>Division:</i>	2	<i>Water District:</i>	66
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SE SE 15	33 S 45 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4116106.5	<i>Easting (UTM x):</i> 724549.9 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.164414	-102.471056
<i>Surface Elevation (ft):</i>		<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>		<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>			

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)
2/27/2004	105.00		0.80
2/26/2006	108.40		-3.40
4/1/2007	107.70		0.70
2/24/2008	107.10		0.60
3/9/2009	107.70		-0.60
2/27/2010	107.40		0.30
3/6/2011	108.20		-0.80
3/19/2012	107.60		0.60
4/20/2013			

All Historic Measurements



SOUTHERN HIGH PLAINS

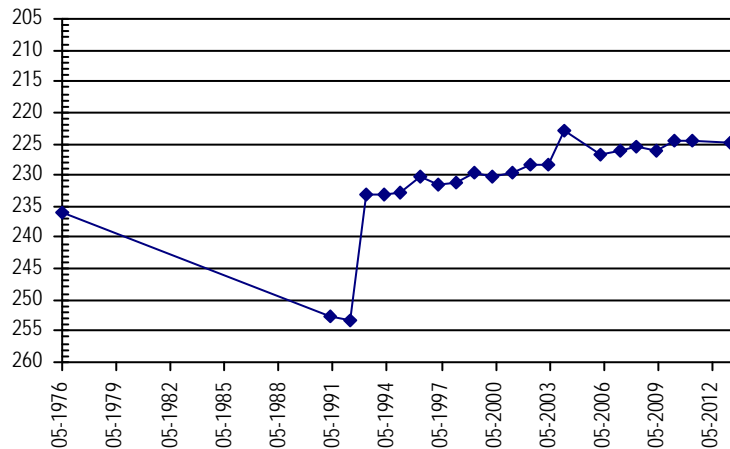
Well Name: FARMERS HOME ADMTN. **Owner:** FARMERS HOME ADMTN.
Permit #: 19813 - F - **Location #:** SC03304626BBB **USGS Site ID:**
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NW NW 26 33 S 46 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): Northing (UTM y): 4114077.5 Easting (UTM x): 715155.8 GPS
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:**
Aquifer(s): CHEYENNE **5 year:** 0.70
10 year: 3.40

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/22/2004	222.90	4117.10	5.30
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	

All Historic Measurements



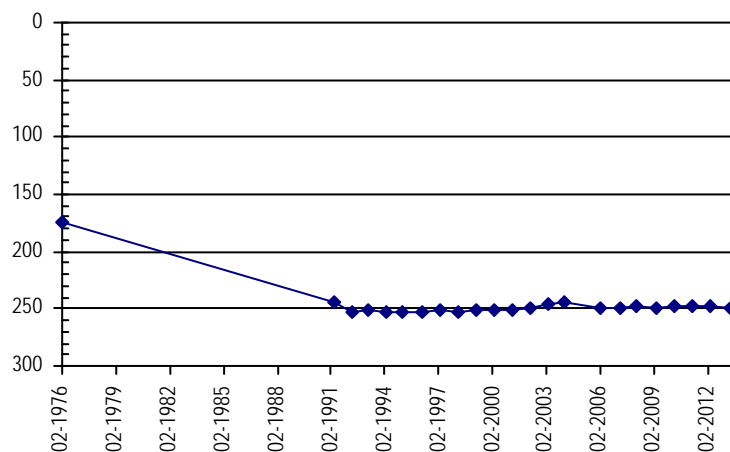
Well Name: OMALLEY **Owner:** OMALLEY
Permit #: 20427 - F - **Location #:** SC03304630BBB **USGS Site ID:**
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NW NW NW 30 33 S 46 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): Northing (UTM y): 4113809.5 Easting (UTM x): 708573.8 GPS
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:** -0.20
Aquifer(s): DAKOTA **5 year:** -0.10
10 year: -3.50
 CHEYENNE

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2004	244.90	4190.10	0.20
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

All Historic Measurements



SOUTHERN HIGH PLAINS

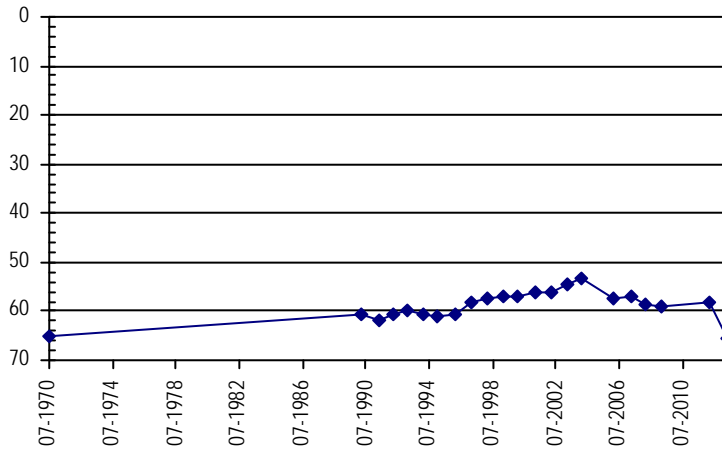
Well Name:	RAY SIKES	<i>Owner:</i>	RAY SIKES
<i>Permit #:</i>	15029 - F -	<i>Location #:</i>	SC03305006CAD
<i>USGS Site ID:</i>			
<i>Division:</i>	2	<i>Water District:</i>	66
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SW NE SE 6	33 S 50 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4118438.8	<i>Easting (UTM x):</i> 670616.6 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>	37.196832		-103.077575
<i>Surface Elevation (ft):</i>	5001	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	140	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	DAKOTA		
	CHEYENNE		

Water Level Change
1 year: -7.20
5 year: -6.65
10 year: -10.90

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/17/2004	53.25	4947.75	1.25
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

All Historic Measurements



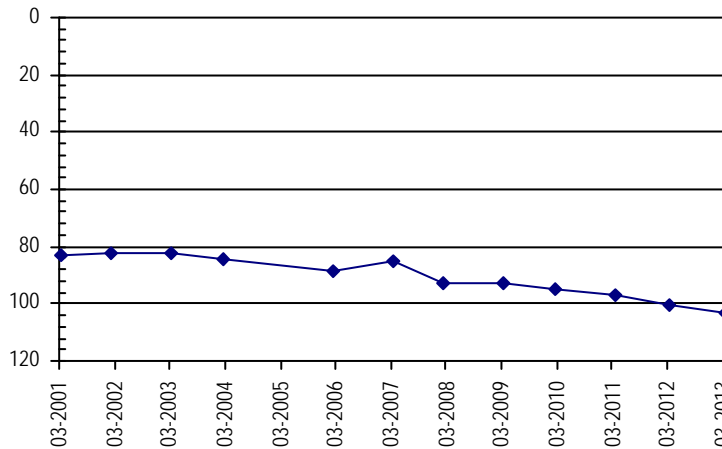
Well Name:	GARY & TIM WHITE	<i>Owner:</i>	GARY & TIM WHITE
<i>Permit #:</i>	23774 - F -	<i>Location #:</i>	SC03404122BB
<i>USGS Site ID:</i>			
<i>Division:</i>	2	<i>Water District:</i>	66
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	NW NW 22	34 S 41 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4107649.5	<i>Easting (UTM x):</i> 762252.5 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>	37.078465		-102.049875
<i>Surface Elevation (ft):</i>		<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	103	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	OGALLALA		
	DOCKUM		

Water Level Change
1 year: -2.90
5 year: -10.60
10 year: -20.90

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/16/2004	84.20		-2.00
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

All Historic Measurements



SOUTHERN HIGH PLAINS

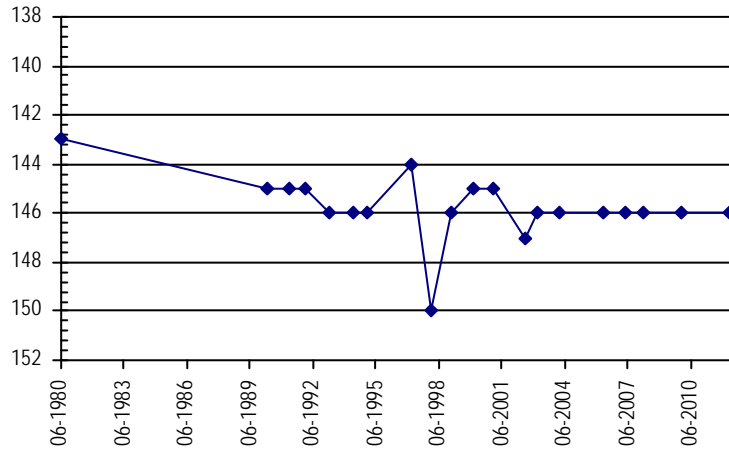
Well Name:	COLO.INTRST.GAS 1	Owner:	COLO.INTRST.GAS
Permit #:	112906 - -	Location #:	SC03404205ADA1
		USGS Site ID:	
Division:	2	Water District:	66
		County:	BACA
Location:	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	NE SE NE 5	34 S 42 W S	From N/S line: From E/W line:
UTM Coordinates (NAD83):	Northing (UTM y):	4111405.8	Easting (UTM x): 750365.7 <i>Spotted from quarters</i>
Latitude/Longitude (decimal degrees):		37.115532	-102.182190
Surface Elevation (ft):	3828	Top Perforated Interval (ft):	Base of grout (ft):
Well depth (ft):	394	Bottom Perforated Interval (ft):	
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)
2/28/2004	146.00	3682.00	0.00
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			

All Historic Measurements



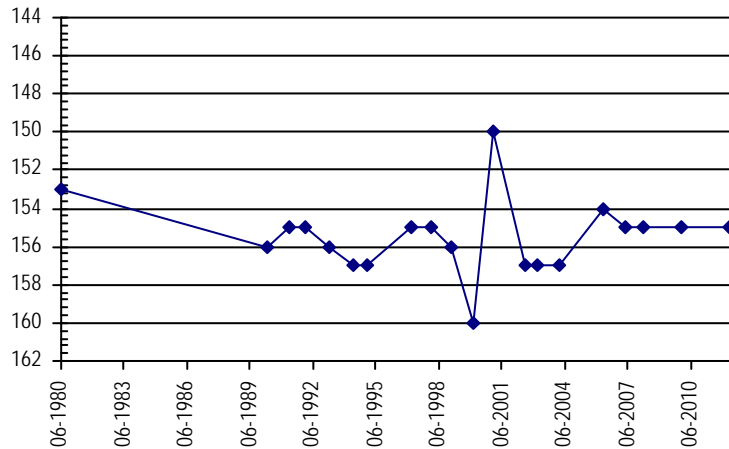
Well Name:	COLO INTERST GAS 2	Owner:	COLO INTERST GAS
Permit #:	112907 - -	Location #:	SC03404205ADA2
		USGS Site ID:	
Division:	2	Water District:	66
		County:	BACA
Location:	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	NE SE NE 5	34 S 42 W S	From N/S line: From E/W line:
UTM Coordinates (NAD83):	Northing (UTM y):	4111405.8	Easting (UTM x): 750365.7 <i>Spotted from quarters</i>
Latitude/Longitude (decimal degrees):		37.115532	-102.182190
Surface Elevation (ft):	3826	Top Perforated Interval (ft):	Base of grout (ft):
Well depth (ft):	357	Bottom Perforated Interval (ft):	
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)
2/28/2004	157.00	3669.00	0.00
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	
3/1/2013			

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: WRAY, P.&A. **Owner:** WRAY, P.&A.
Permit #: 123684 - - **Location #:** SC03404205DAD **USGS Site ID:** 370640102105600

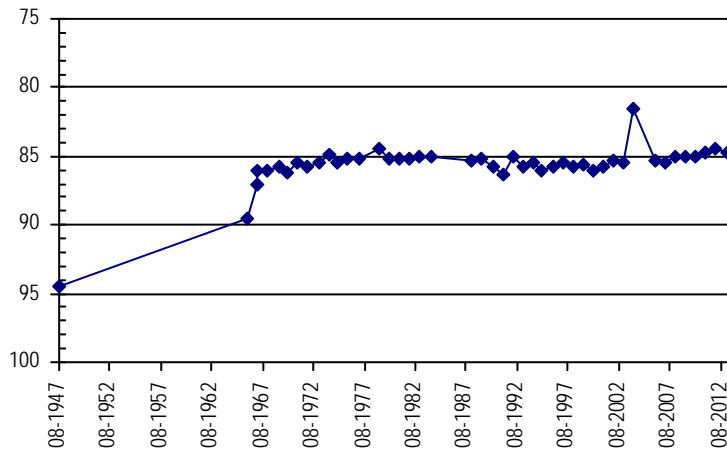
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE NE SE 5 34 S 42 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4110821.4 **Easting (UTM x):** 750249.3 *GPS*
Latitude/Longitude (decimal degrees): 37.110304 -102.183691

Surface Elevation (ft): 3759.59 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 103 **Bottom Perforated Interval (ft):** **1 year:** -0.30
Aquifer(s): DOCKUM **5 year:** 0.20
10 year: 0.60

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/16/2004	81.50	3678.09	3.90
2/21/2006	85.30	3674.29	-3.80
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

All Historic Measurements



Well Name: DAN WITCHER **Owner:** DAN WITCHER
Permit #: 15807 - - **Location #:** SC03404221AB **USGS Site ID:**

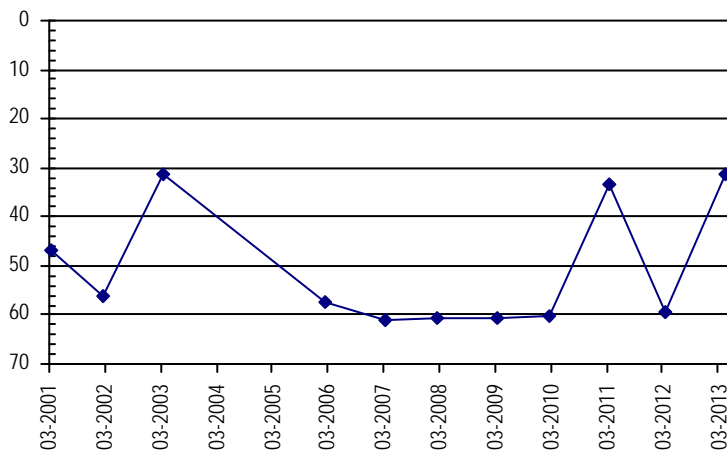
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 NE NW 21 34 S 42 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4106654.4 **Easting (UTM x):** 751782.4 *GPS*
Latitude/Longitude (decimal 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:** 28.00
Aquifer(s): DOCKUM **5 year:** 29.00
10 year: 0.00

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	27.00
3/19/2012	59.50		-26.30
4/20/2013	31.50	28.00	28.00

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: ALLEY LAND & CAT.

Owner: ALLEY LAND & CAT.

Permit #: 3232 - F -

Location #: SC03404309DCC

USGS Site ID:

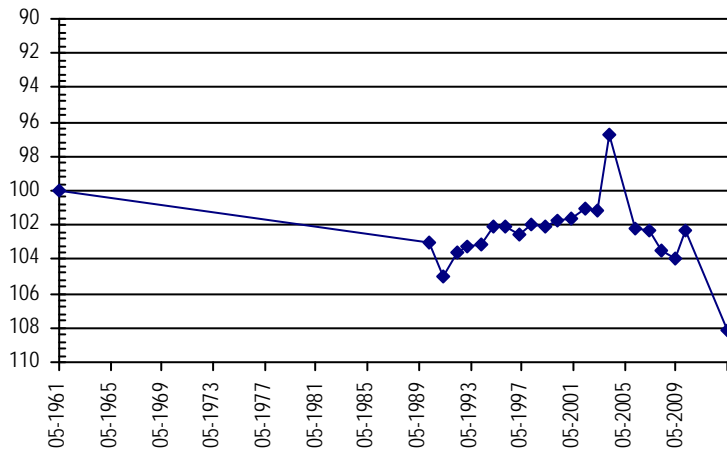
Division: 2 **Water District:** 67 **County:** BACA
Location: Q160 Q40 Q10 Section **Twnshp** **Range** **PM** **Distance from section lines:**
 SE SW SW 9 34 S 43 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4148970.7 **Easting (UTM x):** 741170.1 *GPS*
Latitude/Longitude (decimal degrees): 37.456176 -102.273388

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:**
Aquifer(s): DOCKUM **5 year:** -4.60
 10 year: -6.90

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/18/2004	96.80	3868.20	4.40
2/25/2006	102.20	3862.80	-5.40
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	

All Historic Measurements



Well Name: ALLEY LAND & CATTLE

Owner: ALLEY LAND & CATTLE

Permit #: 29421 - -

Location #: SC03404320CCC

USGS Site ID:

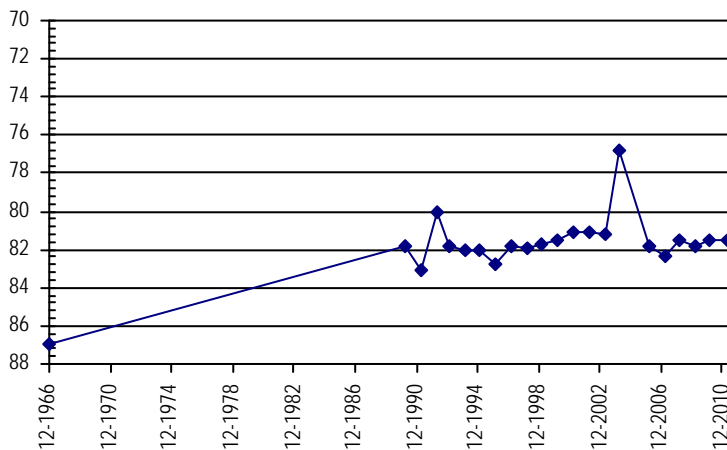
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section **Twnshp** **Range** **PM** **Distance from section lines:**
 SW SW SW 20 34 S 43 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4105113.3 **Easting (UTM x):** 739383.2 *GPS*
Latitude/Longitude (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:**
 10 year:

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
3/18/2004	76.80	3786.20	4.40
2/25/2006	81.80	3781.20	-5.00
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			

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: HUME, M.&L. **Owner:** HUME, M.&L.
Permit #: - - **Location #:** SC03404508BBB **USGS Site ID:** 370617102311700

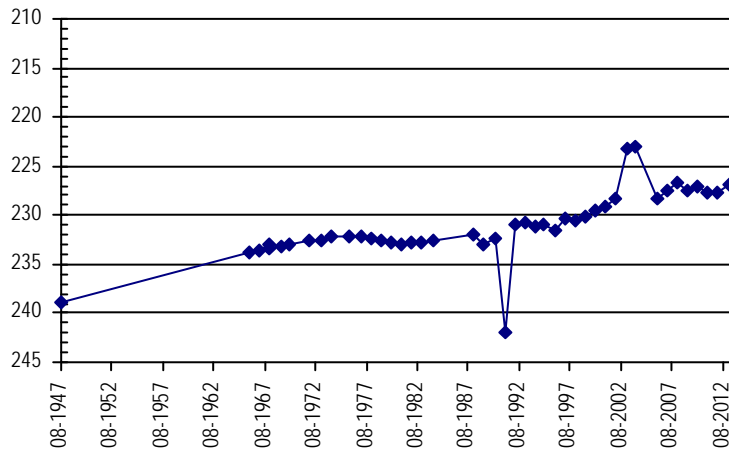
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 NW NW NW 8 34 S 45 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): Northing (UTM y): 4109368.4 Easting (UTM x): 719991.9 *GPS*
Latitude/Longitude (decimal degrees): 37.104817 -102.524325

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:** 1.00
Aquifer(s): OGALLALA **5 year:** -0.10
10 year: -3.60

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/27/2004	223.00	4051.96	0.20
2/25/2006	228.40	4046.56	-5.40
3/22/2007	227.50	4047.46	0.90
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

All Historic Measurements



Well Name: JOHNY REINER **Owner:** JOHNY REINER
Permit #: 14185 - F - **Location #:** SC03404609DA **USGS Site ID:**

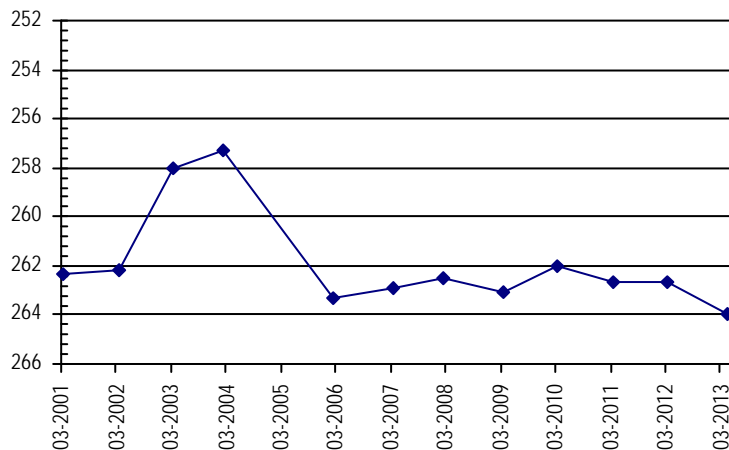
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twtnshp Range PM Distance from section lines:
 SE NE 9 34 S 46 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): Northing (UTM y): 4109041.4 Easting (UTM x): 714090.8 *GPS*
Latitude/Longitude (decimal degrees): 37.103240 -102.590772

Surface Elevation (ft): **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 495 **Bottom Perforated Interval (ft):** **1 year:** -1.30
Aquifer(s): Kdp **5 year:** -1.50
 DOCKUM **10 year:** -6.00

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2004	257.30		0.70
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

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: **ROGERS,C.& V.**

Owner: ROGERS,C.& V.

Permit #: 49691 - -

Location #: SC03404715BAA

USGS Site ID:

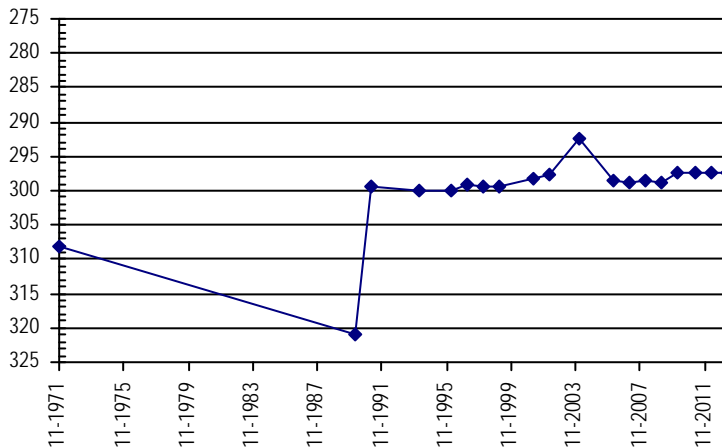
Division:	2	Water District:	66	County:	BACA
Location:	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:		
	NW NE NE 15	34 S 47 W S	From N/S line: From E/W line:		
UTM Coordinates (NAD83): Northing (UTM y):		4107414.4		Easting (UTM x): 704691.7 <i>GPS</i>	
Latitude/Longitude (decimal degrees):		37.090687		-102.696907	

Surface Elevation (ft):	4483	Top Perforated Interval (ft):		Base of grout (ft):		Water Level Change 1 year: 0.00 5 year: 1.10 10 year:
Well depth (ft):	345	Bottom Perforated Interval (ft):				
Aquifer(s):	CHEYENNE					

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/14/2004	292.50	4190.50	5.30
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

All Historic Measurements



Well Name: **US GOVERNMENT**

Owner: US GOVERNMENT

Permit #: 127340 - -

Location #: SC03404808BCC

USGS Site ID: 370557102504800

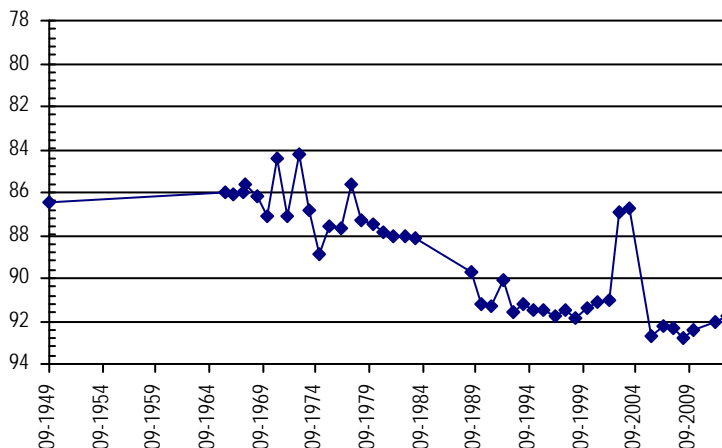
Division:	2	Water District:	66	County:	BACA
Location:	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:		
	NW SW SW 8	34 S 48 W S	From N/S line: From E/W line:		
UTM Coordinates (NAD83): Northing (UTM y):		4108002.5		Easting (UTM x): 691188.6 <i>GPS</i>	
Latitude/Longitude (decimal degrees):		37.098837		-102.848587	

Surface Elevation (ft):	4589.23	Top Perforated Interval (ft):		Base of grout (ft):		Water Level Change 1 year: 0.20 5 year: 0.50 10 year: -4.90
Well depth (ft):	122	Bottom Perforated Interval (ft):				
Aquifer(s):	OGALLALA					

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/17/2004	86.70	4502.53	0.20
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

All Historic Measurements



SOUTHERN HIGH PLAINS

Well Name: **USDA FOREST SERV.** **Owner:** USDA FOREST SERV.
Permit #: - - **Location #:** SC03404826DDC **USGS Site ID:** 370243102465000

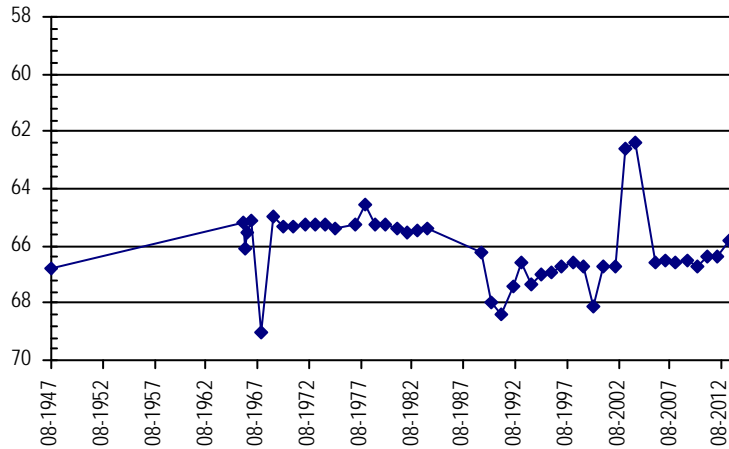
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SE SW 26 34 S 48 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4102717.4 **Easting (UTM x):** 697204.6 *GPS*
Latitude/Longitude (decimal degrees): 37.049984 -102.782322

Surface Elevation (ft): 4532.15 **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 88 **Bottom Perforated Interval (ft):** **1 year:** 0.60
Aquifer(s): DAKOTA **5 year:** 0.80
10 year: -3.20

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/17/2004	62.40	4469.75	0.20
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

All Historic Measurements



Well Name: **KIM SWEARINGEN** **Owner:** KIM SWEARINGEN
Permit #: 49633 - F - **Location #:** SC03504104DD **USGS Site ID:**

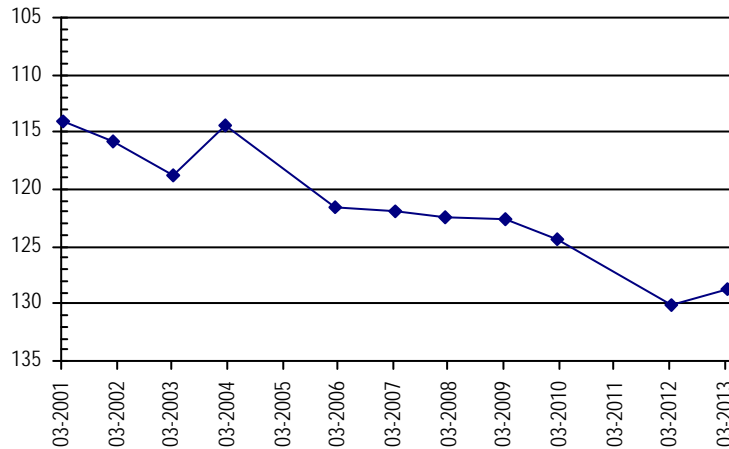
Division: 2 **Water District:** 66 **County:** BACA
Location: Q160 Q40 Q10 Section Twnshp Range PM Distance from section lines:
 SE SE 4 35 S 41 W S **From N/S line:** **From E/W line:**
UTM Coordinates (NAD83): **Northing (UTM y):** 4100991.3 **Easting (UTM x):** 762030.5 *GPS*
Latitude/Longitude (decimal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

Surface Elevation (ft): **Top Perforated Interval (ft):** **Base of grout (ft):** **Water Level Change**
Well depth (ft): 175 **Bottom Perforated Interval (ft):** **1 year:** 1.30
Aquifer(s): DOCKUM **5 year:** -6.30
10 year: -10.00

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/16/2004	114.50		4.30
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

All Historic Measurements



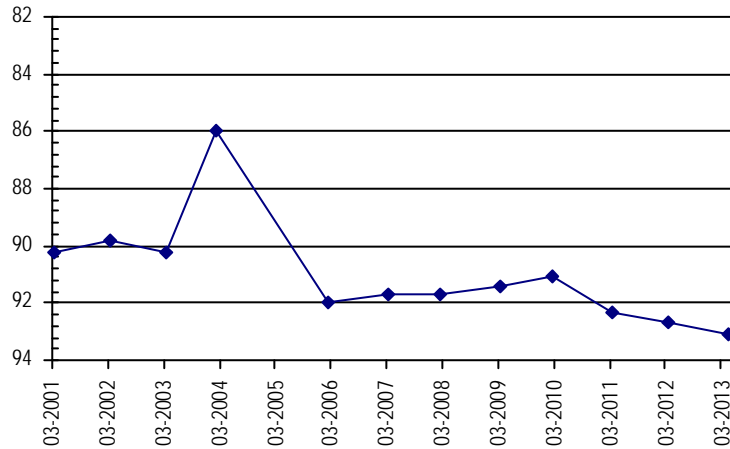
SOUTHERN HIGH PLAINS

Well Name:	RAY GLOVER	<i>Owner:</i>	RAY GLOVER
<i>Permit #:</i>	5333 - F -	<i>Location #:</i>	SC03504306CD
<i>USGS Site ID:</i>			
<i>Division:</i>	2	<i>Water District:</i>	66
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SW SE 6	35 S 43 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4100408.3	<i>Easting (UTM x):</i> 738380.2 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.019636	-102.320432
<i>Surface Elevation (ft):</i>	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>	Water Level Change
<i>Well depth (ft):</i>	150	<i>Bottom Perforated Interval (ft):</i>	1 year: -0.40
<i>Aquifer(s):</i>	DOCKUM		5 year: -1.40
			10 year: -2.90

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/18/2004	86.00		4.20
2/25/2006	92.00		-6.00
3/22/2007	91.70		0.30
2/23/2008	91.70		0.00
3/9/2009	91.40		0.30
2/27/2010	91.10		0.30
3/6/2011	92.30		-1.20
3/19/2012	92.70		-0.40
4/20/2013	93.10		-0.40

All Historic Measurements

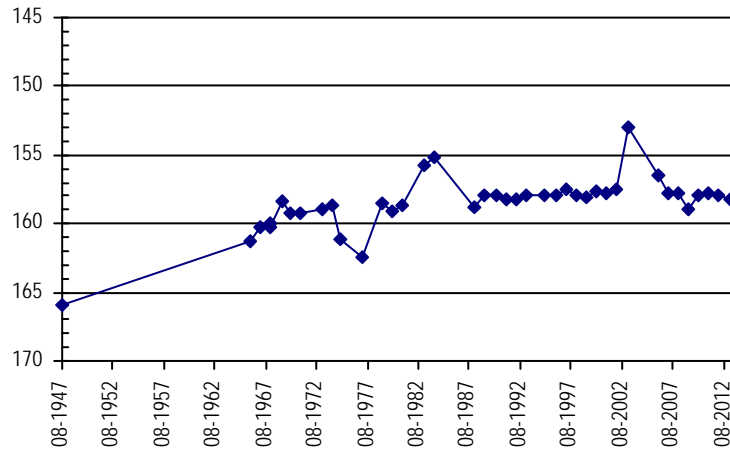


Well Name:	HALLENBACK, G.&M.	<i>Owner:</i>	HALLENBACK, G.&M.
<i>Permit #:</i>	127551 - -	<i>Location #:</i>	SC03504510BCB
<i>USGS Site ID:</i>			370053102290700
<i>Division:</i>	2	<i>Water District:</i>	66
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	NW SW NW 10	35 S 45 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4099463.3	<i>Easting (UTM x):</i> 723543.0 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.014774	-102.487343
<i>Surface Elevation (ft):</i>	4104.9	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	175	<i>Bottom Perforated Interval (ft):</i>	Water Level Change
<i>Aquifer(s):</i>	DAKOTA		1 year: -0.30
			5 year: -0.40
			10 year: -5.20

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

All Historic Measurements



SOUTHERN HIGH PLAINS

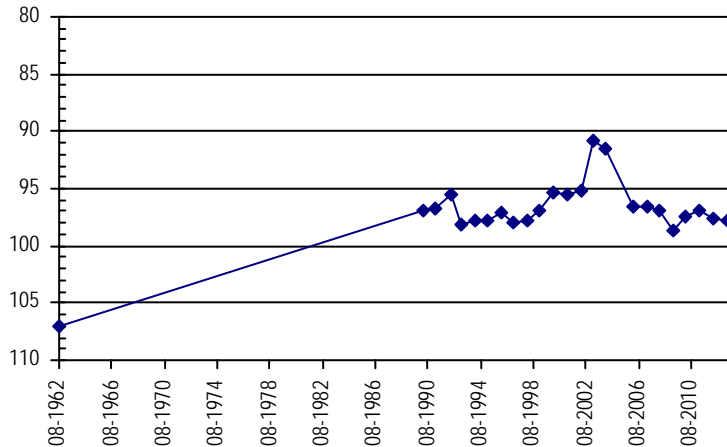
Well Name:	DIXON, WM.J.	<i>Owner:</i>	DIXON, WM.J.
<i>Permit #:</i>	10763 - -	<i>Location #:</i>	SC03504603CCA
		<i>USGS Site ID:</i>	
<i>Division:</i>	2	<i>Water District:</i>	66
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	SW SW NE 3	35 S 46 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4099828.3	<i>Easting (UTM x):</i> 714887.8 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.020081	-102.584444
<i>Surface Elevation (ft):</i>	4195	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	134	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	CHEYENNE		

Water Level Change
1 year: -0.10
5 year: -0.80
10 year: -7.00

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/17/2004	91.50	4103.50	-0.70
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

All Historic Measurements



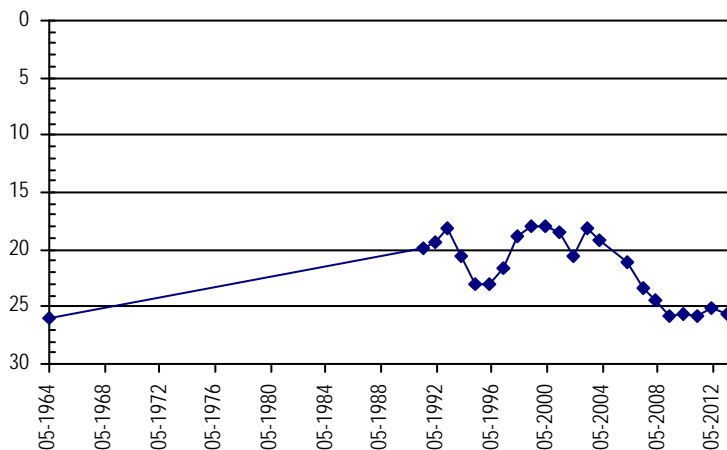
Well Name:	WELBORN, J.M. 1	<i>Owner:</i>	WELBORN, J.M.
<i>Permit #:</i>	5650 - F -	<i>Location #:</i>	SC03505003AAC
		<i>USGS Site ID:</i>	
<i>Division:</i>	2	<i>Water District:</i>	66
		<i>County:</i>	BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	NE NE SW 3	35 S 50 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i>	4099998.4	<i>Easting (UTM x):</i> 676514.3 <i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>		37.029610	-103.015499
<i>Surface Elevation (ft):</i>	4470	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	82	<i>Bottom Perforated Interval (ft):</i>	
<i>Aquifer(s):</i>	QUATERNARY ALLUVIUM DOCKUM		

Water Level Change
1 year: -0.60
5 year: -1.30
10 year: -7.60

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/17/2004	19.20	4450.80	-1.10
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

All Historic Measurements



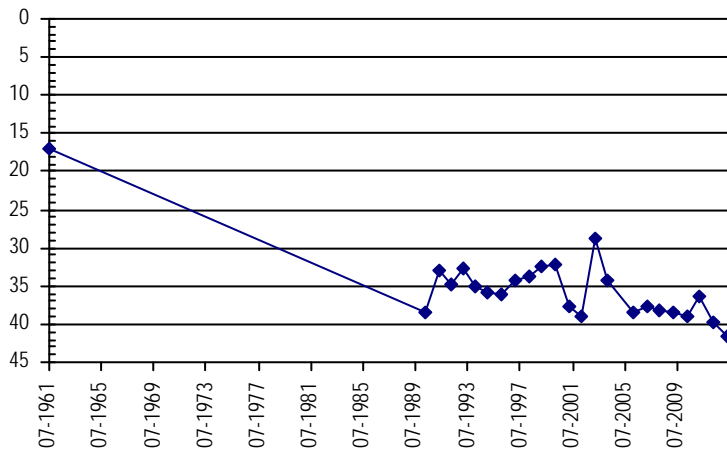
SOUTHERN HIGH PLAINS

Well Name:	WELBORN, J.M. 2	<i>Owner:</i> WELBORN, J.M.	
<i>Permit #:</i>	3220 - F -	<i>Location #:</i> SC03505012BBA	<i>USGS Site ID:</i>
<i>Division:</i>	2	<i>Water District:</i> 66	<i>County:</i> BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	NW NW NE 12	35 S 50 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i> 4098722.4	<i>Easting (UTM x):</i> 678735.3	<i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>	37.017694	-102.990846	
<i>Surface Elevation (ft):</i>	4411	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	50	<i>Bottom Perforated Interval (ft):</i>	Water Level Change
<i>Aquifer(s):</i>	DOCKUM		1 year: -1.70
			5 year: -3.40
			10 year: -12.70

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/17/2004	34.20	4376.80	-5.40
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

All Historic Measurements



Well Name:	WELBORN, J.M. 3	<i>Owner:</i> WELBORN, J.M.	
<i>Permit #:</i>	3221 - F -	<i>Location #:</i> SC03505012BDB	<i>USGS Site ID:</i>
<i>Division:</i>	2	<i>Water District:</i> 66	<i>County:</i> BACA
<i>Location:</i>	Q160 Q40 Q10 Section	Twnshp Range PM	Distance from section lines:
	NW SE NW 12	35 S 50 W S	<i>From N/S line:</i> <i>From E/W line:</i>
<i>UTM Coordinates (NAD83):</i>	<i>Northing (UTM y):</i> 4098663.4	<i>Easting (UTM x):</i> 678711.3	<i>GPS</i>
<i>Latitude/Longitude (decimal degrees):</i>	37.017167	-102.991130	
<i>Surface Elevation (ft):</i>	4410	<i>Top Perforated Interval (ft):</i>	<i>Base of grout (ft):</i>
<i>Well depth (ft):</i>	82	<i>Bottom Perforated Interval (ft):</i>	Water Level Change
<i>Aquifer(s):</i>	DOCKUM		1 year: -1.70
			5 year: -3.40
			10 year: -12.80

Measurements from last 10 years

Date	Depth to WL (ft)	Elev of WL (ft)	Change (ft)
2/17/2004	30.50	4379.50	-5.30
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

All Historic Measurements

