

Groundwater Levels in the Southern High Plains Designated Groundwater Basin

2021

by
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COLORADO
Division of Water Resources
Department of Natural Resources

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Groundwater Level Measurements in the Southern High Plains Designated Groundwater Basin 2021

This report contains the basic groundwater-level data collected from wells in the Southern High Plains Designated Groundwater Basin. Acquisition and publication of this information is a cooperative effort between the well owners, Southern High Plains Ground Water Management District (SHPGWMD) and the Colorado Division of Water Resources (DWR). The SHPGWMD has historically obtained the water levels, but starting in 2014 most of the water levels are measured by DWR staff. Help from Don Wood and Max Smith of the SHPGWMD during this transition was greatly appreciated. The project is part of a statewide groundwater-level monitoring program funded by Senate Bill 200 (1987 legislative session). This legislation directed that a portion of the fees collected for water well permit applications be used for the establishment of a program to monitor groundwater level trends throughout the state.

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

A total of 72 well water levels were measured and recorded during early March 2021. Water levels were not measured in 8 wells that were pumping or where access was restricted, primarily due to snow/mud. Figure 2 shows the location and designation of all 89 monitoring wells. The map shows the well number with "SHP" prefix removed for spacing purposes. Figure 3 well symbols indicate the aquifers in which these wells are completed. Tabular data are presented for each well for the previous ten years. Graphical data are presented for the entire period of record. Analyses of changes in the water level in the aquifer are complicated by unknown pumping schedules. The table below summarizes some observations gleaned from the data for each aquifer.

Aquifer	2021 Water Level Range (ft below ground)	Avg. Water Level Change 2020-2021 (ft)	Avg. Water Level Change 2016-2021 (ft)	Avg. Water Level Change 2011-2021 (ft)
Ogallala	94 to 251	-2.75	-3.9	-12.0
Dakota/Cheyenne	64 to 334	-1.4	-2.8	-10.4
Dockum	34 to 286	-1.4	-4.7	-8.4

An electronic copy of this report is available on the Division of Water Resources website:

<https://dwr.colorado.gov/services/well-construction-inspection#groundwater-levels>

The direct link to the Southern High Plains Publication Area on the CDSS webpage:

<https://dwr.state.co.us/Tools/GroundWater/WaterLevels?submitButton=Submit&SelectedGeoValue=waterDivisionDiv&SelectedPublicationAreaName=SOUTHERN%20HIGH%20PLAINS&SelectedAquiferName=All>

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

<https://dwr.state.co.us/Tools/GroundWater/WaterLevels>

or the Colorado Decision Support System MapViewer:

<https://dwr.colorado.gov/services/data-information/gis>

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

<https://dwr.state.co.us/Portal/dwr/AskDWR?topicNum=31&officeNum=8>

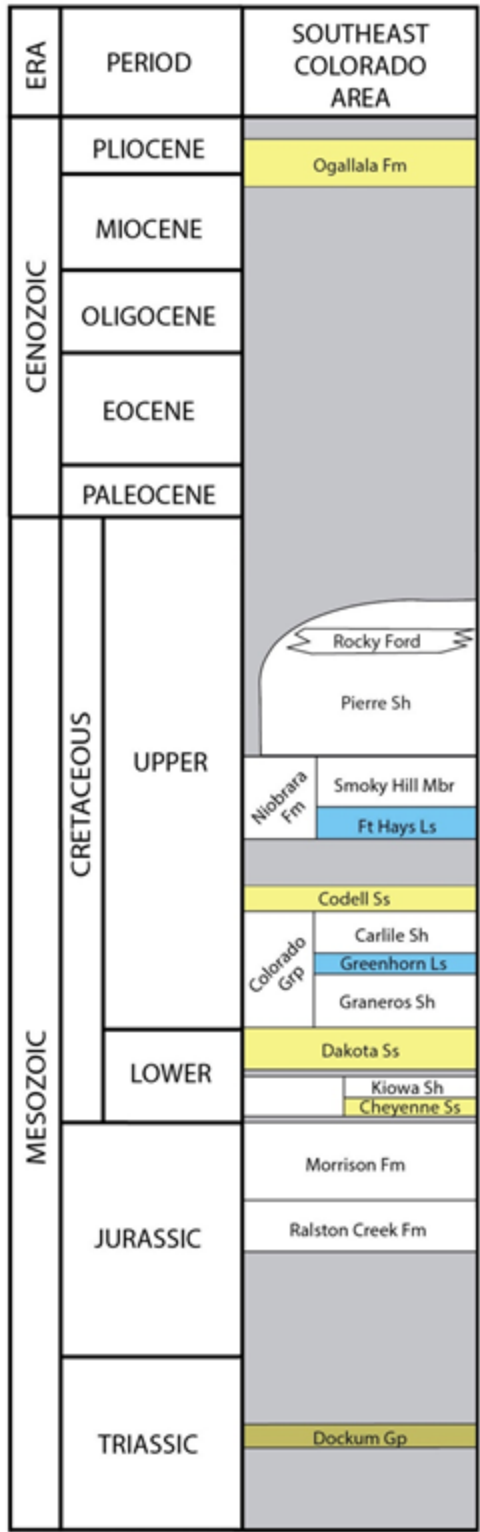

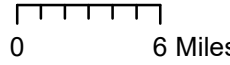
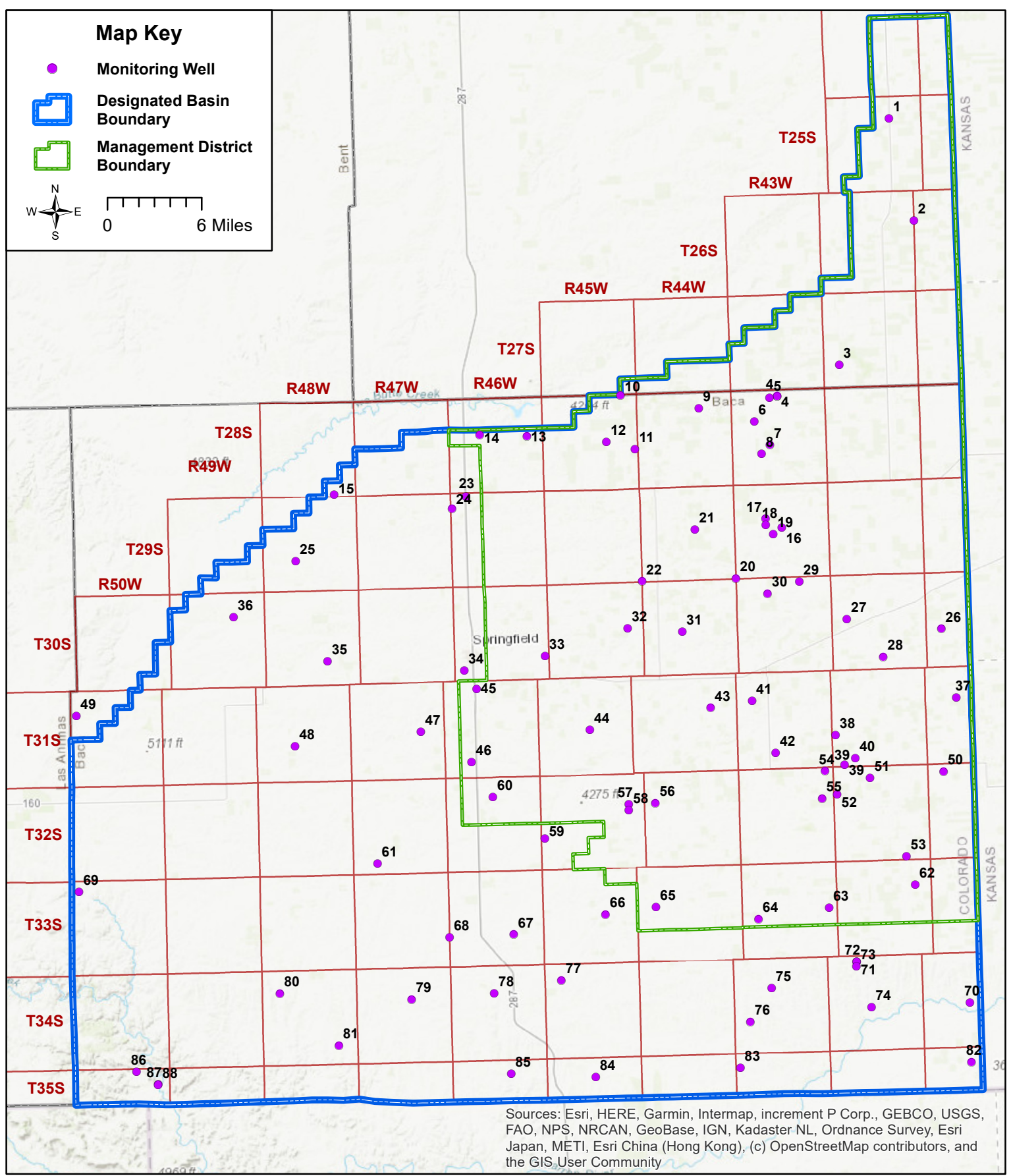


Figure 1 - Bedrock Aquifers of Southeast Colorado (yellow - sandstone dominated; blue-limestone dominated)

Map Key

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


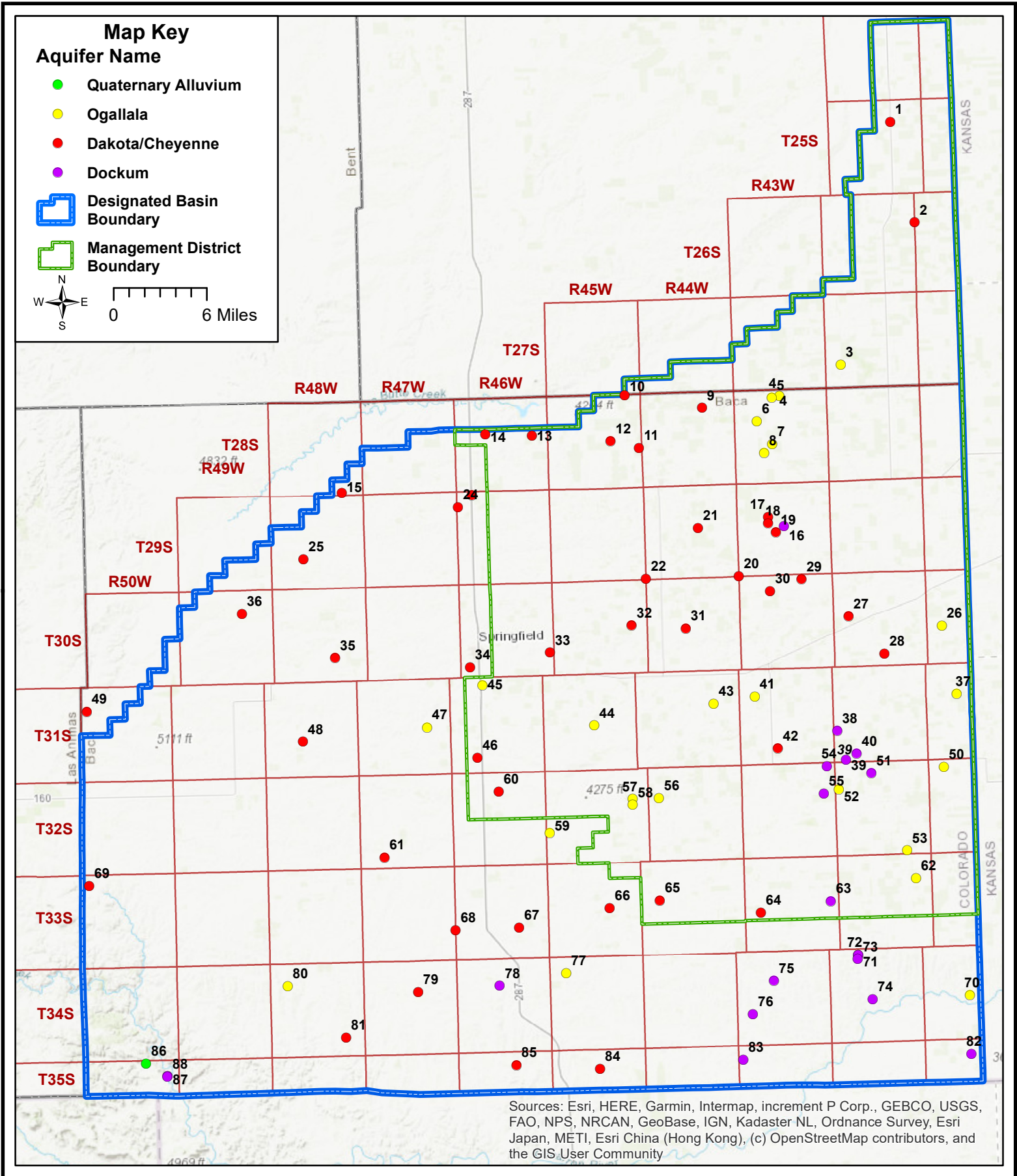


Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



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 Division of Water Resources
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Southern High Plains Designated Basin Monitoring Well Locations Figure 2



Map Key

Groundwater Level Change

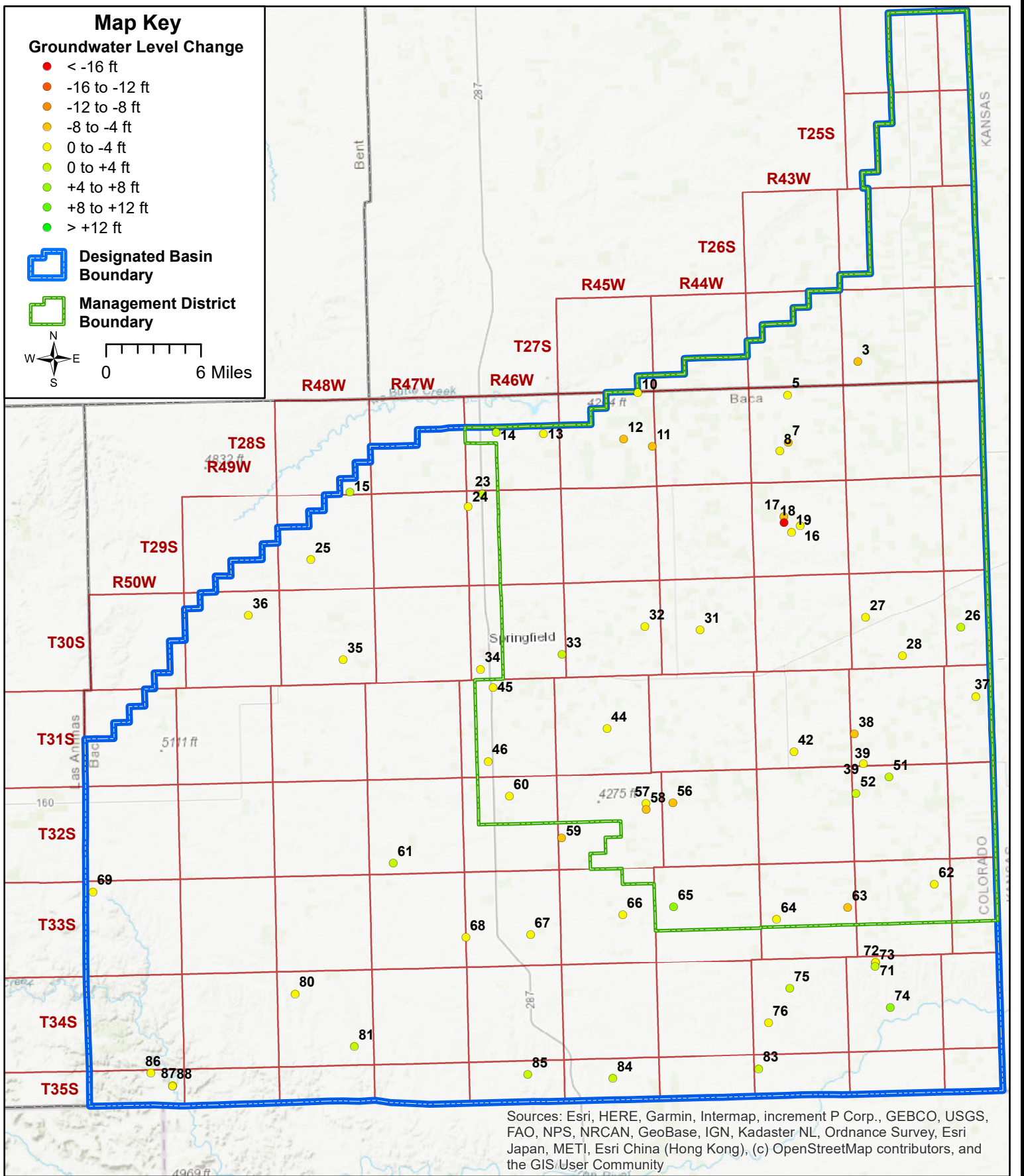
- < -16 ft
- -16 to -12 ft
- -12 to -8 ft
- -8 to -4 ft
- 0 to -4 ft
- 0 to +4 ft
- +4 to +8 ft
- +8 to +12 ft
- > +12 ft

 Designated Basin Boundary

 Management District Boundary



0 6 Miles



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



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Southern High Plains Designated Basin Water Level Trends 2020-2021

Figure 4

Map Key

Groundwater Level Change

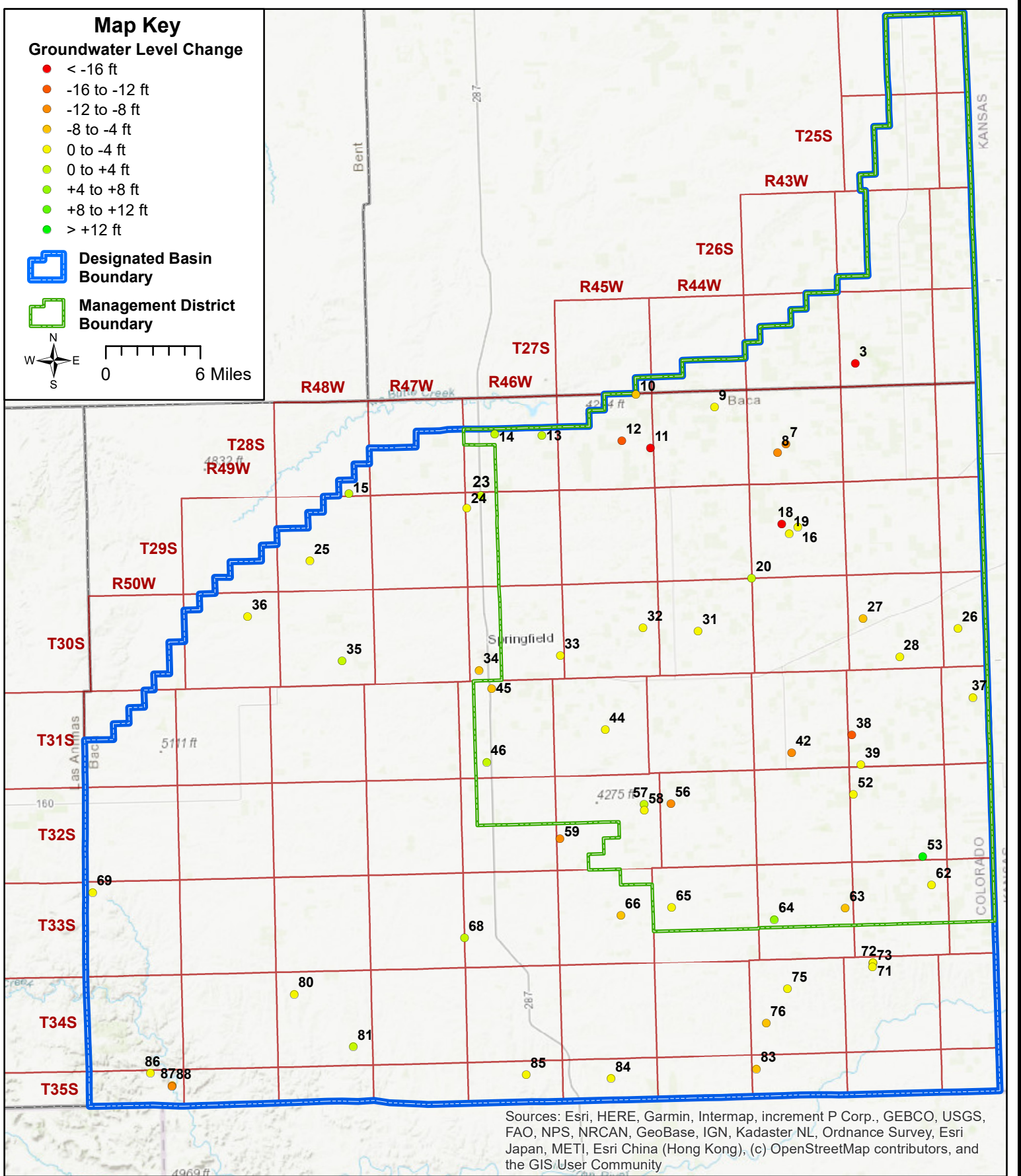
- < -16 ft
- -16 to -12 ft
- -12 to -8 ft
- -8 to -4 ft
- 0 to -4 ft
- 0 to +4 ft
- +4 to +8 ft
- +8 to +12 ft
- > +12 ft

 Designated Basin Boundary

 Management District Boundary



0 6 Miles



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



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Southern High Plains Designated Basin Water Level Trends 2016-2021

Figure 5

Map Key

Groundwater Level Change

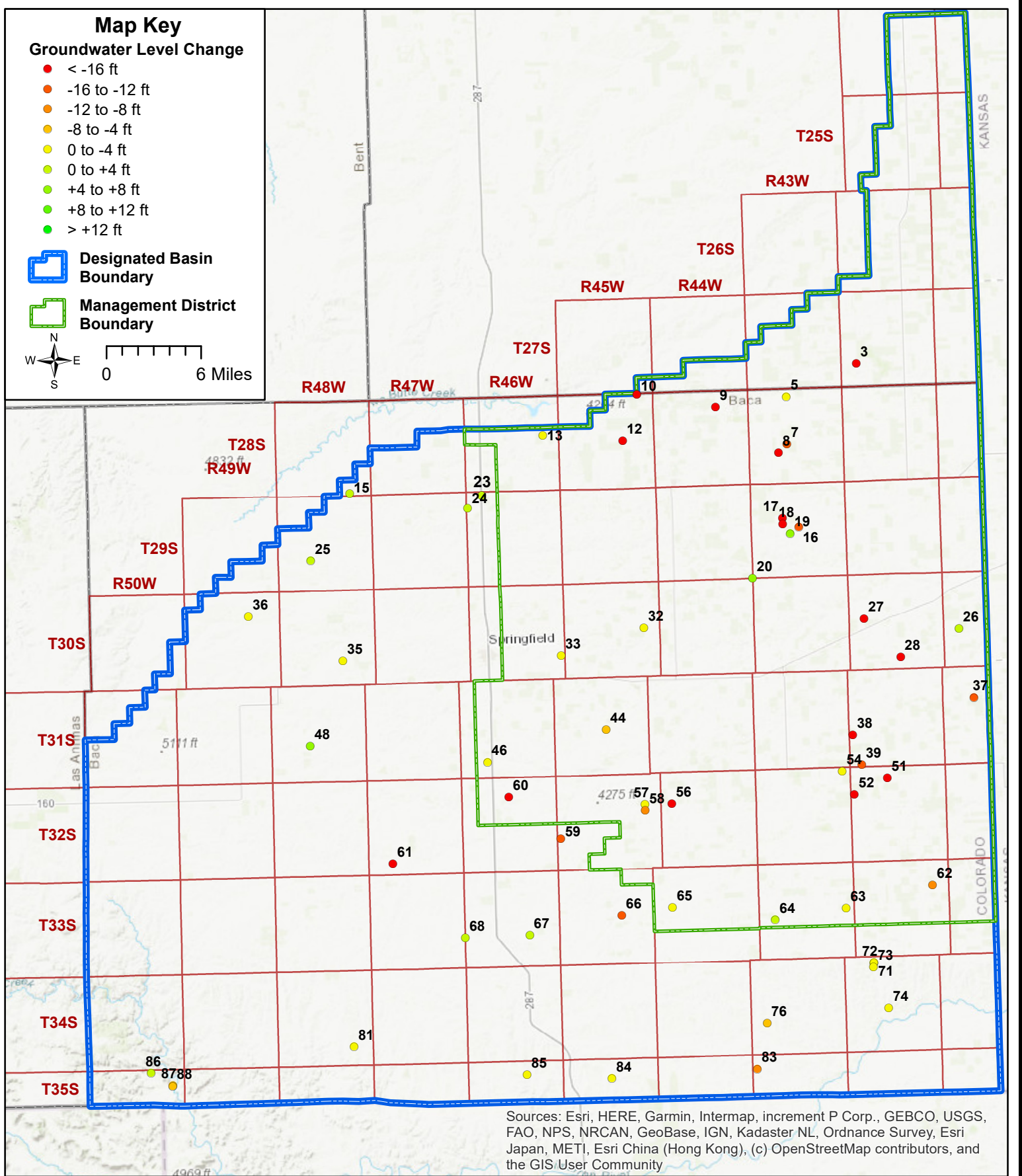
- < -16 ft
- -16 to -12 ft
- -12 to -8 ft
- -8 to -4 ft
- 0 to -4 ft
- 0 to +4 ft
- +4 to +8 ft
- +8 to +12 ft
- > +12 ft

 Designated Basin Boundary

 Management District Boundary



0 6 Miles



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



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Southern High Plains Designated Basin Water Level Trends 2011-2021 Figure 6



GROUNDWATER DETAILS

Well Name: SHP-01 BLAKE, JERREL
Permit Number: 10437-FP
WDID:
Data Source: DWR

Location Number: SC02504211BC
USGS Site ID:
Applicant/Contact: BLAKE, JERREL

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3136 S	89 W		SW	NW	11	25.0 S	42.0 W	S	753591.9	4197641.7	GPS

Division: 2 District: 67
County: PROWERS
Designated Basin: SOUTHERN HIGH PLAINS
Management District: SOUTHERN HIGH PLAINS

Construction Information

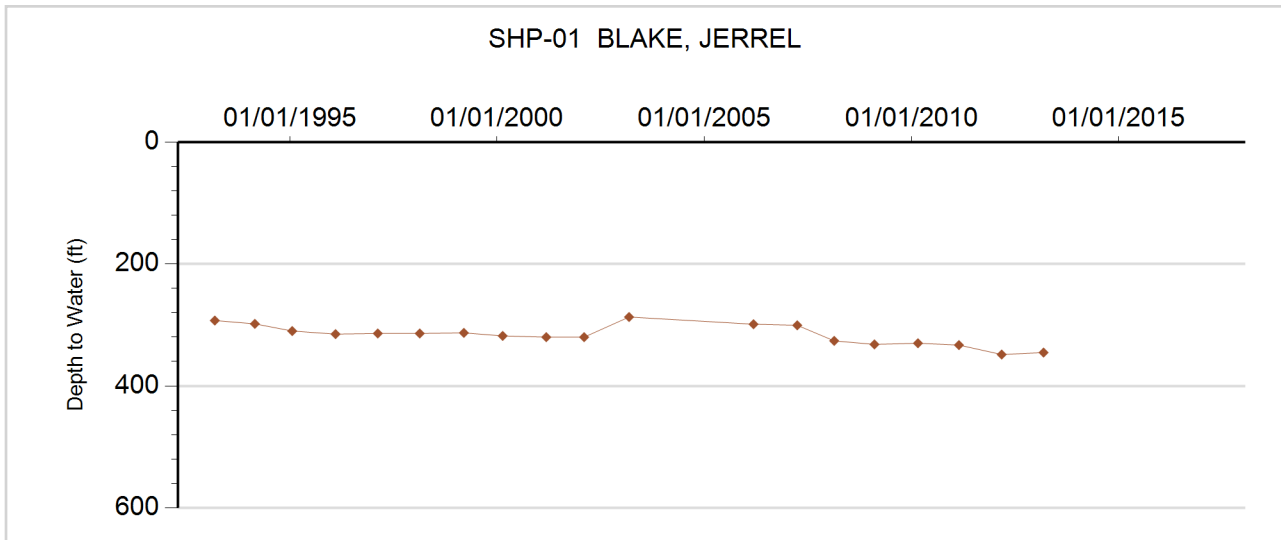
Surface Elevation (ft): 3659.00
Well Depth (ft): 600.00
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): DAKOTA

Well Measurement Summary

Start Date: 03/11/1993 End Date: 03/02/2017
Number of Measurements: 23

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/02/2017			
03/10/2016			
02/20/2015			
03/18/2014			
03/10/2013	345.30	3313.70	3.20
03/06/2012	348.50	3310.50	-15.50
02/23/2011	333.00	3326.00	-3.00
02/27/2010	330.00	3329.00	1.90
02/09/2009	331.90	3327.10	-5.80
02/20/2008	326.10	3332.90	-25.50





GROUNDWATER DETAILS

Well Name: SHP-02 BARTH,RBT.J.
Permit Number: 19211-FP
WDID:
Data Source: DWR

Location Number: SC02604107BC
USGS Site ID:
Applicant/Contact: BARTH,RBT.J.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
2693 S	102 W		SW	NW	7	26.0 S	41.0 W	S	756121.8	4187217.1	GPS

Division: 2 District: 67
 County: PROWERS
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

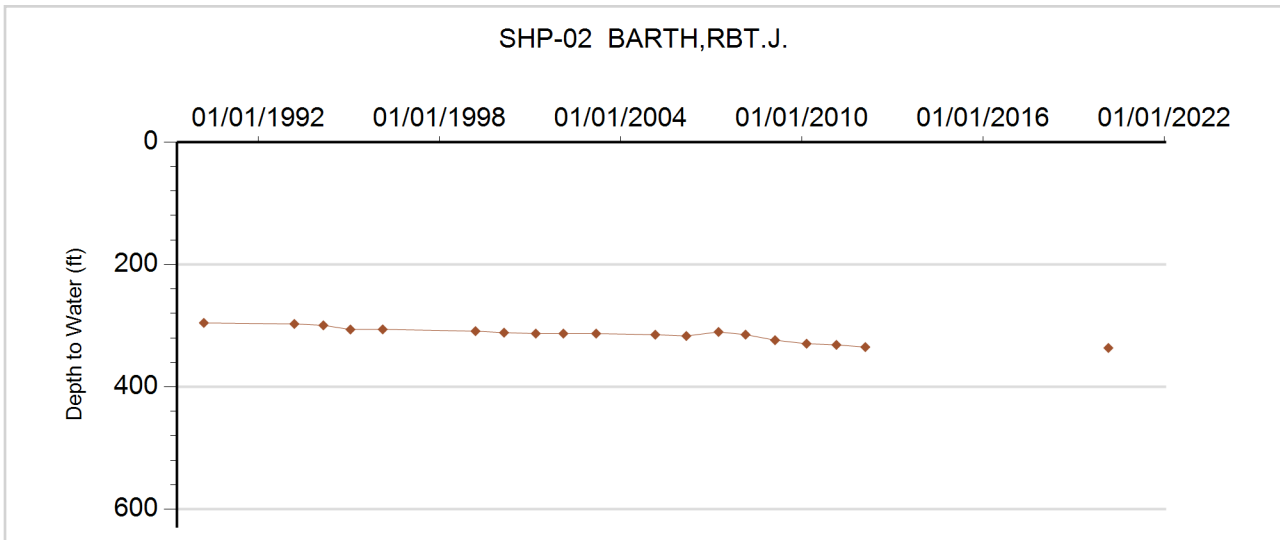
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021			
02/27/2020	336.49	3318.51	
03/01/2019			
03/01/2018			
03/02/2017			
03/10/2016			
02/20/2015			
03/18/2014			
03/10/2013			
02/08/2012	335.00	3320.00	-3.60

Construction Information

Surface Elevation (ft): 3655.00
 Well Depth (ft): 630.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA, CHEYENNE

Well Measurement Summary

Start Date: 03/12/1990 End Date: 03/06/2021
 Number of Measurements: 27





GROUNDWATER DETAILS

Well Name: SHP-03 WEEKS RANCHES INC.
Permit Number: 12269-FP
WDID:
Data Source: DWR

Location Number: SC02704229CBB
USGS Site ID: 373957102105800
Applicant/Contact: WEEKS RANCHES INC.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
2732 N	88 W	NW	NW	SW	29	27.0 S	42.0 W	S	748483.0	4172442.0	GPS

Division: 2 District: 67
 County: PROWERS
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

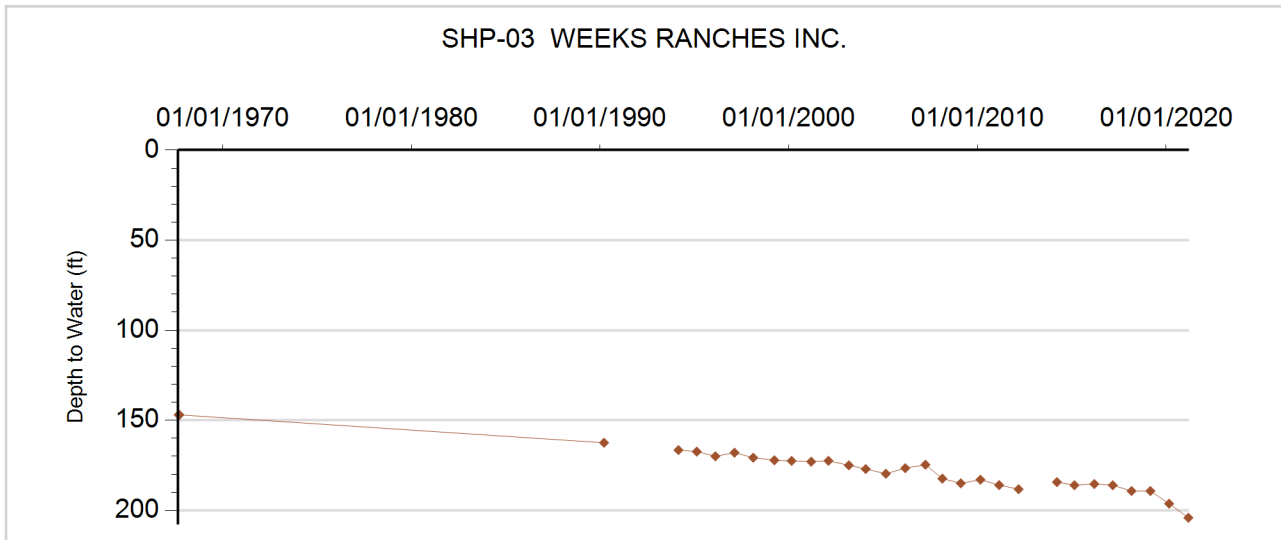
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	204.14	3622.94	-7.81
02/27/2020	196.33	3630.75	-7.03
03/01/2019	189.30	3637.78	0.00
03/01/2018	189.30	3637.78	-3.20
03/02/2017	186.10	3640.98	-0.69
03/10/2016	185.41	3641.67	0.67
02/20/2015	186.08	3641.00	-1.75
03/18/2014	184.33	3642.75	
03/10/2013			
03/06/2012	188.30	3638.78	-2.30

Construction Information

Surface Elevation (ft): 3827.08
 Well Depth (ft): 208.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA

Well Measurement Summary

Start Date: 09/01/1967 End Date: 03/06/2021
 Number of Measurements: 32





GROUNDWATER DETAILS

Well Name: SHP-04 NUSSER,D.

Permit Number: 21218-FP-R

WDID:

Data Source: DWR

Location Number: SC02804304ADD1

USGS Site ID: 373816102152002

Applicant/Contact: NUSSER,D.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3157 S	51 E	SE	SE	NE	4	28.0 S	43.0 W	S	742122.0	4169234.0	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

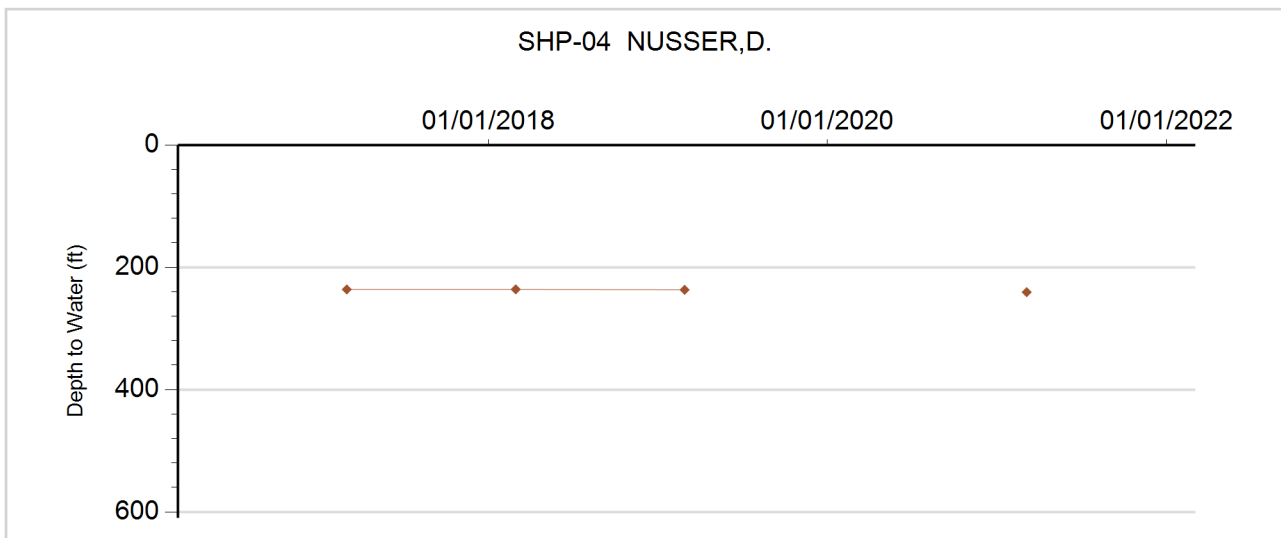
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	240.60	3679.05	
02/27/2020			
02/28/2019	236.83	3682.82	-0.82
03/01/2018	236.01	3683.64	0.13
03/02/2017	236.14	3683.51	

Construction Information

Surface Elevation (ft): 3919.65
 Well Depth (ft): 610.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 240
 Depth to Bottom of Perforated Casing (ft): 600
 Source Aquifer(s): OGALLALA

Well Measurement Summary

Start Date: 03/02/2017 End Date: 03/06/2021
 Number of Measurements: 5





GROUNDWATER DETAILS

Well Name: SHP-04 (1976-2016)
Permit Number: 21218-FP
WDID:
Data Source: DWR

Location Number: SC02804304ADD
USGS Site ID: 373816102452001
Applicant/Contact:

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3157 S	51 E	SE	SE	NE	4	28.0 S	43.0 W	S	742122.0	4169234.0	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

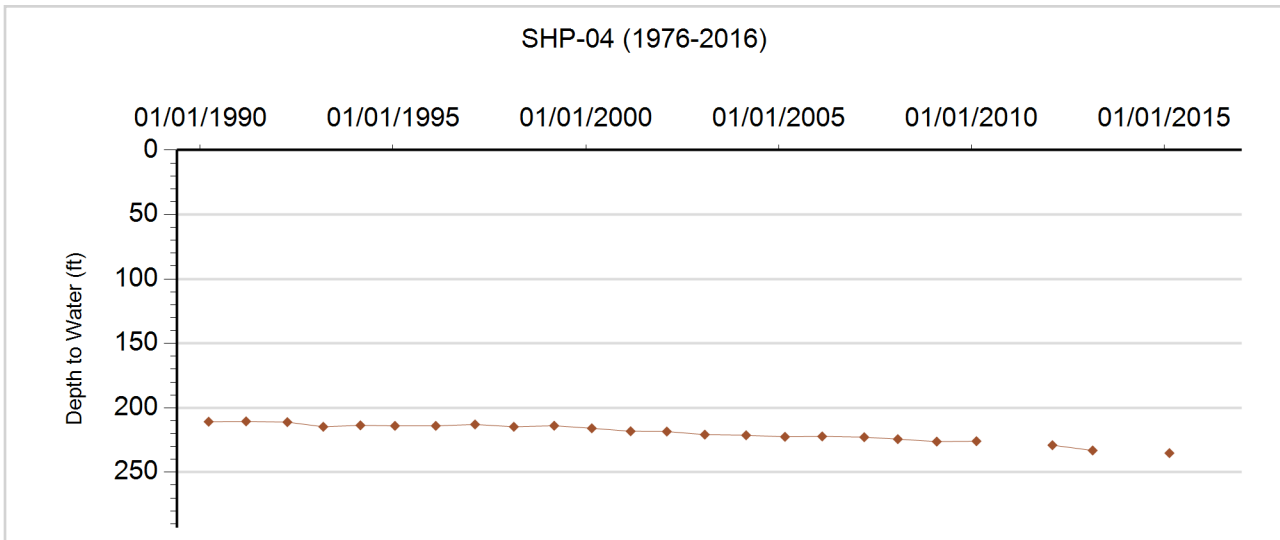
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/09/2016			
02/20/2015	235.14	3684.56	
03/18/2014			
02/23/2013	233.10	3686.60	-4.10
02/08/2012	229.00	3690.70	
04/13/2011			
02/18/2010	225.90	3693.80	0.30
02/07/2009	226.20	3693.50	-1.90
02/04/2008	224.30	3695.40	-1.50
03/23/2007	222.80	3696.90	-0.60

Construction Information

Surface Elevation (ft): 3919.70
 Well Depth (ft): 293.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 233
 Depth to Bottom of Perforated Casing (ft): 293
 Source Aquifer(s):

Well Measurement Summary

Start Date: 03/21/1990 End Date: 03/09/2016
 Number of Measurements: 27





GROUNDWATER DETAILS

Well Name: SHP-05 SCHNABEL,D.L.
Permit Number: 15639-FP
WDID:
Data Source: DWR

Location Number: SC02804304CA
USGS Site ID:
Applicant/Contact: SCHNABEL,D.L.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
2651 N	2643 E		NE	SW	4	28.0 S	43.0 W	S	741337.5	4169041.4	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

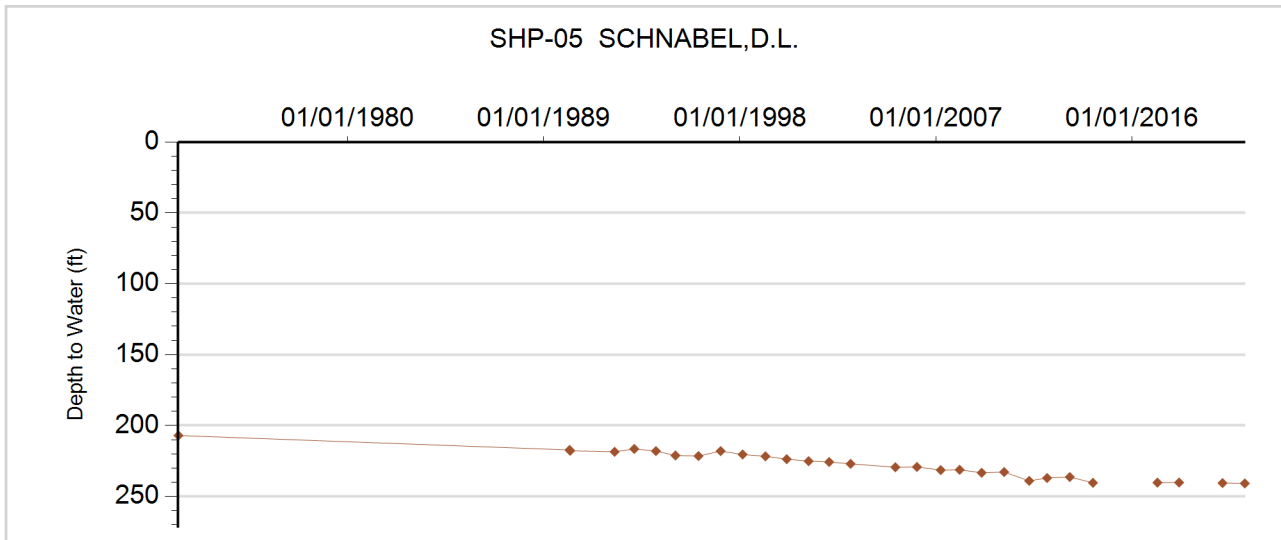
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	240.81	3708.26	-0.26
02/27/2020	240.55	3708.52	
02/28/2019			
03/01/2018	240.19	3708.88	0.06
03/02/2017	240.25	3708.82	
03/09/2016			
02/20/2015			
03/18/2014	240.39	3708.68	-4.09
02/23/2013	236.30	3712.77	0.70
02/08/2012	237.00	3712.07	2.00

Construction Information

Surface Elevation (ft): 3949.07
 Well Depth (ft): 272.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA

Well Measurement Summary

Start Date: 03/30/1972 End Date: 03/06/2021
 Number of Measurements: 32





GROUNDWATER DETAILS

Well Name: SHP-06 MEYERS, S.
Permit Number: 9222-FP
WDID:
Data Source: DWR

Location Number: SC02804308BA
USGS Site ID:
Applicant/Contact: MEYERS, S.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
77 S	2702 E		SE	SW	8	28.0 S	43.0 W	S	739792.0	4166605.0	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

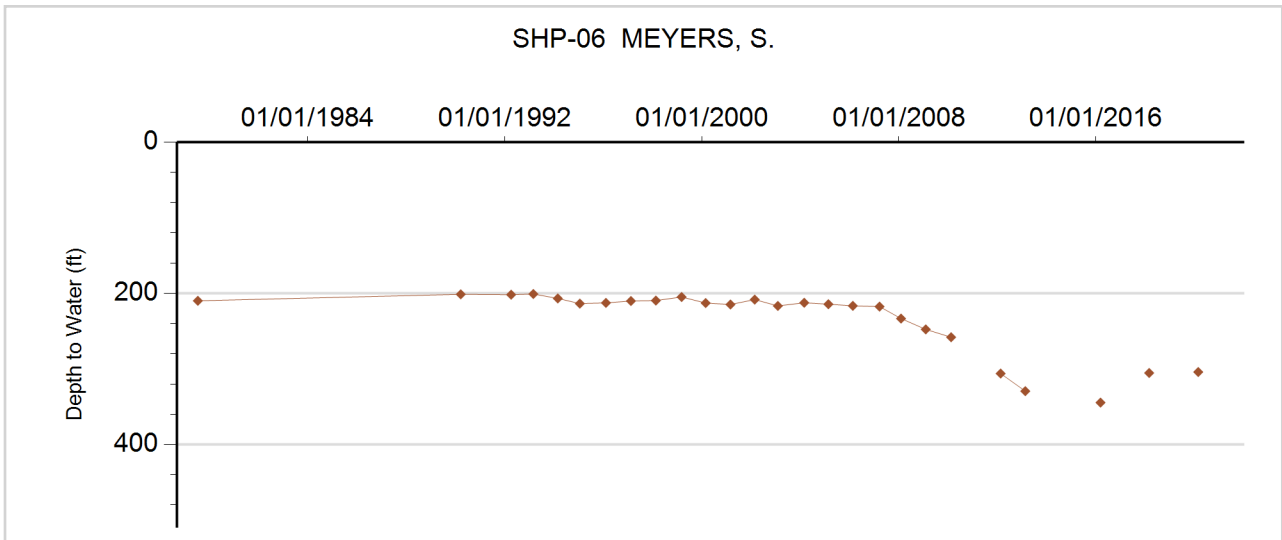
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021			
02/27/2020	304.18	3660.59	
02/28/2019			
03/01/2018	305.45	3659.32	
03/02/2017			
03/09/2016	344.66	3620.11	
02/20/2015			
03/03/2014			
02/18/2013	329.50	3635.27	-23.30
02/18/2012	306.20	3658.57	

Construction Information

Surface Elevation (ft): 3964.77
 Well Depth (ft): 510.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA, DAKOTA

Well Measurement Summary

Start Date: 07/17/1979 End Date: 03/06/2021
 Number of Measurements: 32





GROUNDWATER DETAILS

Well Name: SHP-07 GRIFFIN,L.& OTHERS
Permit Number: 6081-FP
WDID:
Data Source: DWR

Location Number: SC02804321BDD
USGS Site ID:
Applicant/Contact: GRIFFIN,L.& OTHERS

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
2777 S	2986 E	SE	SE	NW	21	28.0 S	43.0 W	S	741391.2	4164223.6	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

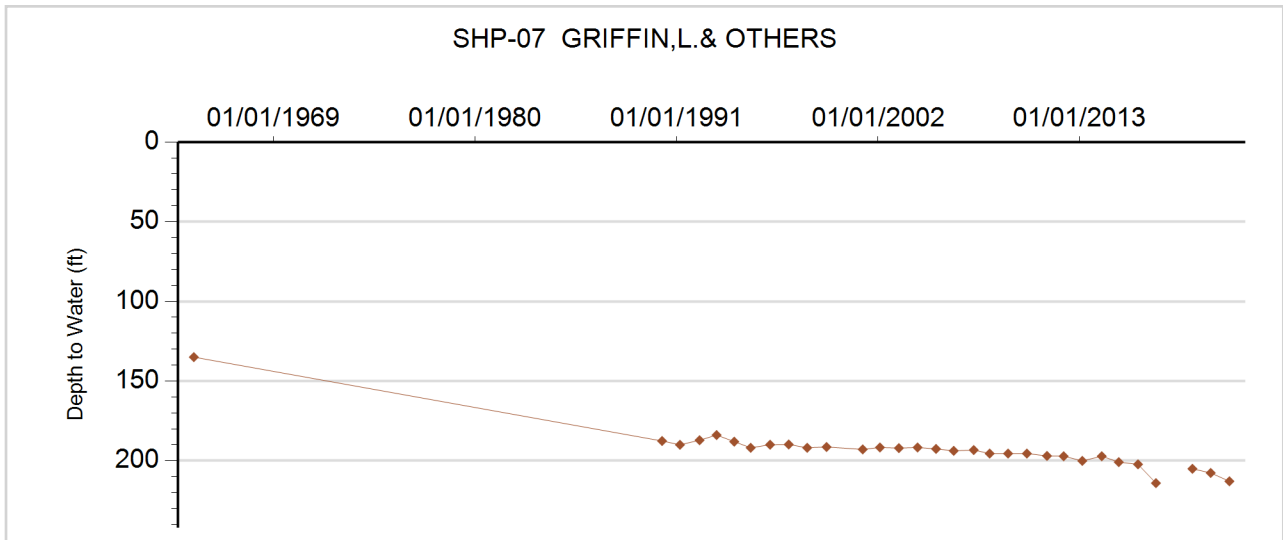
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	212.91	3748.74	-5.23
02/27/2020	207.68	3753.97	-2.60
02/28/2019	205.08	3756.57	
03/01/2018			
03/02/2017	214.08	3747.57	-11.81
03/09/2016	202.27	3759.38	-1.39
02/20/2015	200.88	3760.77	-3.69
03/18/2014	197.19	3764.46	2.91
02/24/2013	200.10	3761.55	-2.90
02/18/2012	197.20	3764.45	-0.20

Construction Information

Surface Elevation (ft): 3961.65
 Well Depth (ft): 242.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 156
 Depth to Bottom of Perforated Casing (ft): 227
 Source Aquifer(s): OGALLALA

Well Measurement Summary

Start Date: 08/29/1964 End Date: 03/06/2021
 Number of Measurements: 32





GROUNDWATER DETAILS

Well Name: SHP-08 COGBURN,A.
Permit Number: 6190-F
WDID:
Data Source: DWR

Location Number: SC02804329AAA
USGS Site ID:
Applicant/Contact: COGBURN,A.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
149 N	546 E	NE	NE	NE	29	28.0 S	43.0 W	S	740540.2	4163308.9	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

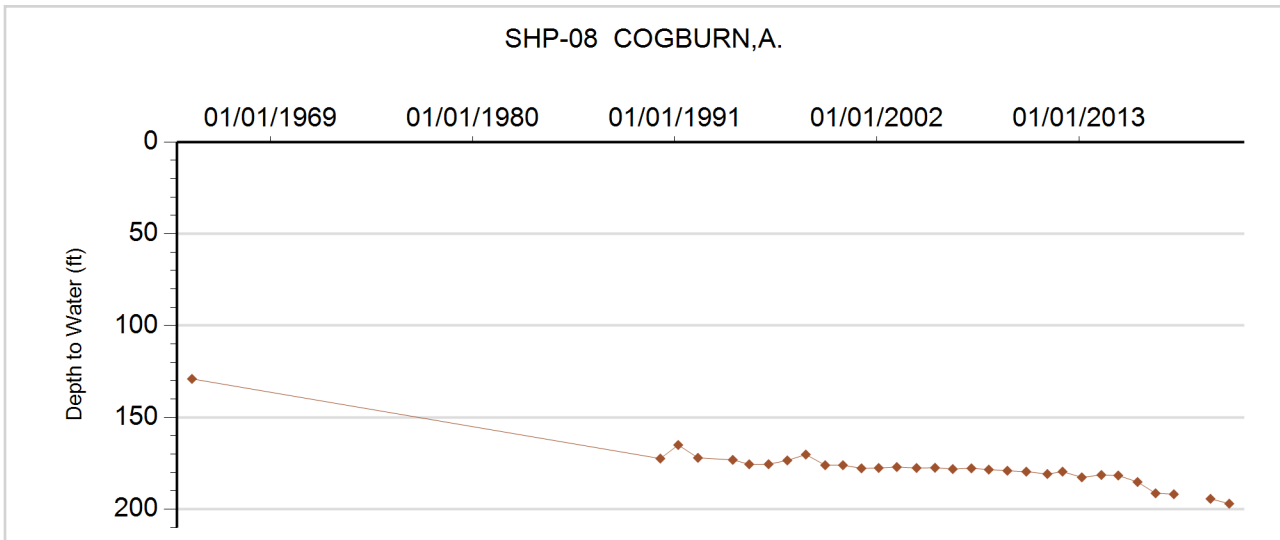
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	196.95	3743.05	-2.64
02/27/2020	194.31	3745.69	
02/28/2019			
03/01/2018	191.81	3748.19	-0.51
03/02/2017	191.30	3748.70	-6.16
03/09/2016	185.14	3754.86	-3.54
02/20/2015	181.60	3758.40	-0.27
03/21/2014	181.33	3758.67	1.27
02/25/2013	182.60	3757.40	-3.10
02/08/2012	179.50	3760.50	1.30

Construction Information

Surface Elevation (ft): 3940.00
 Well Depth (ft): 210.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA

Well Measurement Summary

Start Date: 09/24/1964 End Date: 03/06/2021
 Number of Measurements: 32





GROUNDWATER DETAILS

Well Name: SHP-09 COGBURN, B.
Permit Number: 6183-FP
WDID:
Data Source: DWR

Location Number: SC02804410AAA
USGS Site ID:
Applicant/Contact: COGBURN, B.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
153 N	55 E	NE	NE	NE	10	28.0 S	44.0 W	S	734114.4	4167972.4	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

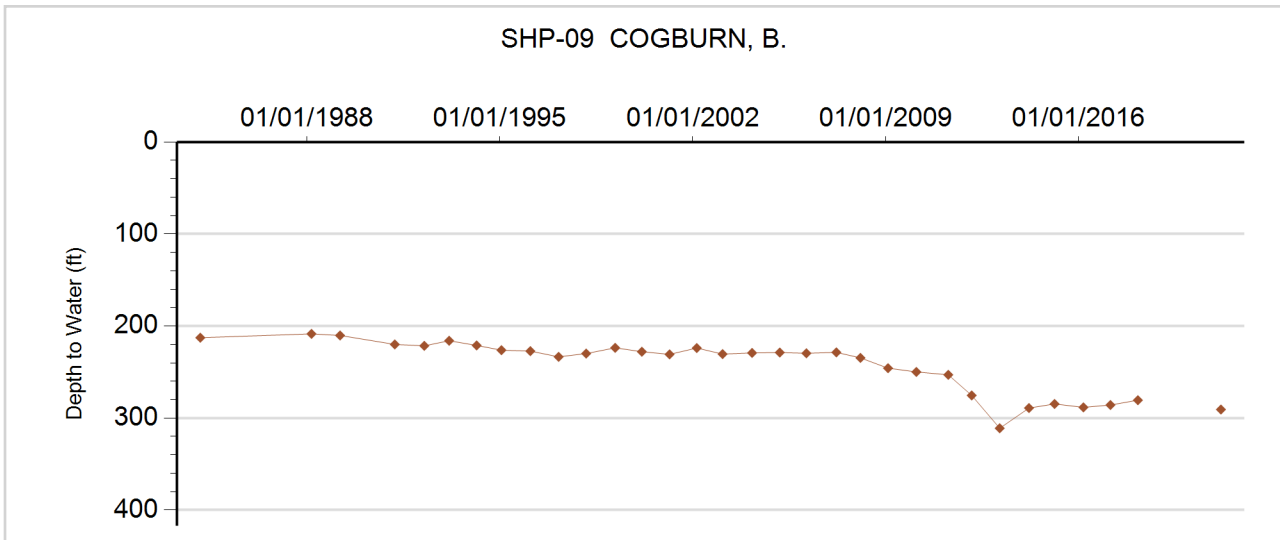
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	290.75	3766.25	
02/27/2020			
02/28/2019			
03/01/2018	280.59	3776.41	5.23
03/02/2017	285.82	3771.18	2.55
03/09/2016	288.37	3768.63	-3.68
02/20/2015	284.69	3772.31	4.41
03/18/2014	289.10	3767.90	22.00
02/23/2013	311.10	3745.90	-35.70
02/18/2012	275.40	3781.60	-22.40

Construction Information

Surface Elevation (ft): 4057.00
 Well Depth (ft): 417.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): CHEYENNE

Well Measurement Summary

Start Date: 02/17/1984 End Date: 03/06/2021
 Number of Measurements: 34





GROUNDWATER DETAILS

Well Name: SHP-10 BELIN,OSCAR & ALTA
Permit Number: 5498-FP
WDID:
Data Source: DWR

Location Number: SC02804501BB
USGS Site ID:
Applicant/Contact: BELIN,OSCAR & ALTA

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
314 N	63 W		NW	NW	1	28.0 S	45.0 W	S	726084.0	4169281.0	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

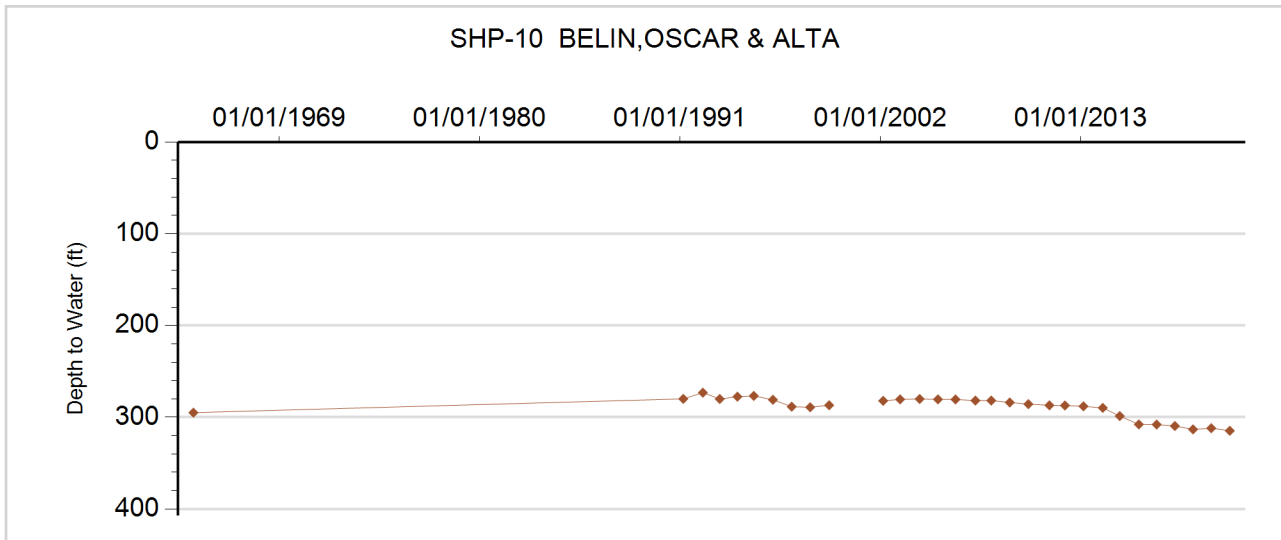
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	314.74	3870.26	-2.77
02/27/2020	311.97	3873.03	1.27
02/28/2019	313.24	3871.76	-3.69
02/28/2018	309.55	3875.45	-1.61
03/01/2017	307.94	3877.06	-0.12
03/09/2016	307.82	3877.18	-9.10
02/20/2015	298.72	3886.28	-8.93
03/18/2014	289.79	3895.21	-1.69
02/23/2013	288.10	3896.90	-0.90
02/18/2012	287.20	3897.80	-0.20

Construction Information

Surface Elevation (ft): 4185.00
 Well Depth (ft): 407.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 207
 Depth to Bottom of Perforated Casing (ft): 407
 Source Aquifer(s): DAKOTA, DOCKUM

Well Measurement Summary

Start Date: 04/24/1964 End Date: 03/06/2021
 Number of Measurements: 32





GROUNDWATER DETAILS

Well Name: SHP-11 AUSMUS,G,& S. 1
Permit Number: 9350-FP
WDID:
Data Source: DWR

Location Number: SC02804514ADC
USGS Site ID:
Applicant/Contact: AUSMUS,G,& S.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
2757 S	894 E	SW	SE	NE	24	28.0 S	45.0 W	S	727567.5	4163814.8	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

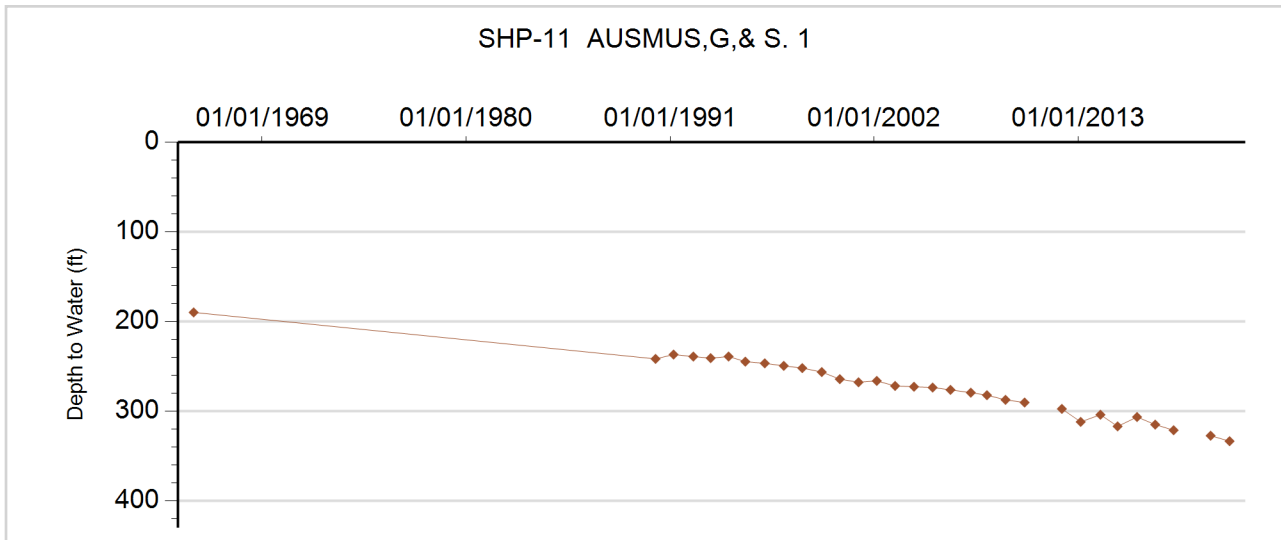
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	333.58	3816.42	-6.10
02/27/2020	327.48	3822.52	
02/28/2019			
02/28/2018	321.37	3828.63	-6.23
03/01/2017	315.14	3834.86	-8.50
03/09/2016	306.64	3843.36	10.44
02/20/2015	317.08	3832.92	-12.98
03/18/2014	304.10	3845.90	8.00
02/23/2013	312.10	3837.90	-14.50
02/18/2012	297.60	3852.40	

Construction Information

Surface Elevation (ft): 4150.00
 Well Depth (ft): 430.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA, CHEYENNE

Well Measurement Summary

Start Date: 04/23/1965 End Date: 03/06/2021
 Number of Measurements: 33





GROUNDWATER DETAILS

Well Name: SHP-12 AUSMUS,G.& S. 2
Permit Number: 5259-FP
WDID:
Data Source: DWR

Location Number: SC02804514CCC
USGS Site ID:
Applicant/Contact: AUSMUS,G.& S.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
92 S	85 W	SW	SW	SW	14	28.0 S	45.0 W	S	724639.1	4164534.9	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

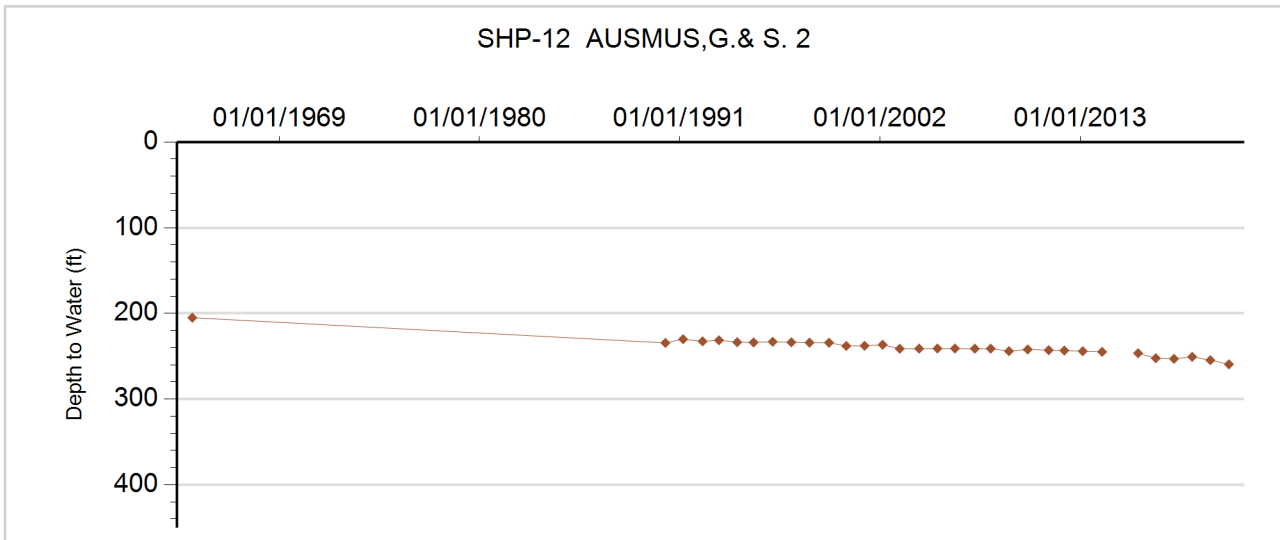
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	259.39	3945.61	-4.82
02/27/2020	254.57	3950.43	-3.86
02/28/2019	250.71	3954.29	2.29
02/28/2018	253.00	3952.00	-0.66
03/01/2017	252.34	3952.66	-5.84
03/09/2016	246.50	3958.50	
02/20/2015			
03/18/2014	244.87	3960.13	-0.77
02/23/2013	244.10	3960.90	-0.80
02/18/2012	243.30	3961.70	-0.40

Construction Information

Surface Elevation (ft): 4205.00
 Well Depth (ft): 450.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): CHEYENNE

Well Measurement Summary

Start Date: 03/23/1964 End Date: 03/06/2021
 Number of Measurements: 33





GROUNDWATER DETAILS

Well Name: SHP-13 KITZMILLER,K.& M.
Permit Number: 10080-FP
WDID:
Data Source: DWR

Location Number: SC02804613BCC
USGS Site ID: 373626102324700
Applicant/Contact: KITZMILLER,K.& M.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
2648 S	25 W	SW	SW	NW	13	28.0 S	46.0 W	S	716484.0	4165090.0	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

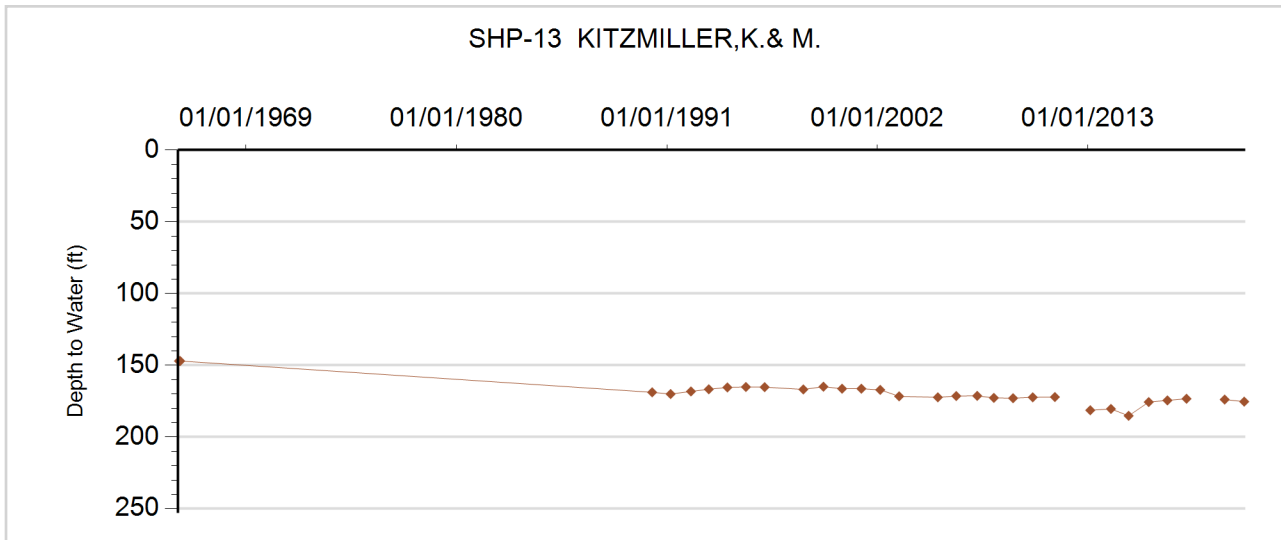
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	175.30	4136.66	-1.44
02/27/2020	173.86	4138.10	
02/28/2019			
02/28/2018	173.29	4138.67	1.16
03/01/2017	174.45	4137.51	1.15
03/09/2016	175.60	4136.36	9.59
02/19/2015	185.19	4126.77	-4.79
03/18/2014	180.40	4131.56	0.90
02/16/2013	181.30	4130.66	
02/18/2012			

Construction Information

Surface Elevation (ft): 4311.96
 Well Depth (ft): 253.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): CHEYENNE

Well Measurement Summary

Start Date: 07/01/1965 End Date: 03/06/2021
 Number of Measurements: 32





GROUNDWATER DETAILS

Well Name: SHP-14 KITZMILLER,MARY F.
Permit Number: 9444-FP
WDID:
Data Source: DWR

Location Number: SC02804616BCB
USGS Site ID:
Applicant/Contact: KITZMILLER,MARY F.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3566 S	57 W	NW	SW	NW	16	28.0 S	46.0 W	S	711662.1	4165227.2	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

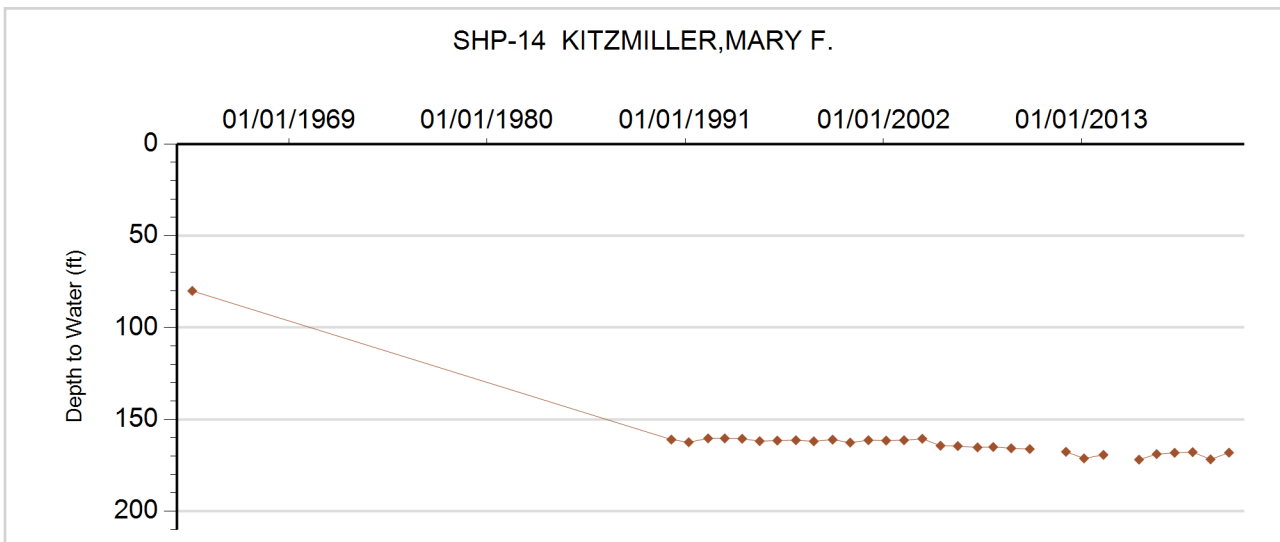
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	168.09	4216.91	3.63
02/27/2020	171.72	4213.28	-3.94
02/28/2019	167.78	4217.22	0.37
02/28/2018	168.15	4216.85	0.72
03/01/2017	168.87	4216.13	3.02
03/09/2016	171.89	4213.11	
02/19/2015			
03/18/2014	169.29	4215.71	1.91
02/17/2013	171.20	4213.80	-3.60
02/18/2012	167.60	4217.40	

Construction Information

Surface Elevation (ft): 4385.00
 Well Depth (ft): 210.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA

Well Measurement Summary

Start Date: 08/22/1963 End Date: 03/06/2021
 Number of Measurements: 33





GROUNDWATER DETAILS

Well Name: SHP-15 MOORE
Permit Number: 9835-
WDID:
Data Source: DWR

Location Number: SC02804835DCD
USGS Site ID:
Applicant/Contact: MOORE

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
662 S	3318 W	SE	SW	SE	35	28.0 S	48.0 W	S	696769.0	4159141.0	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

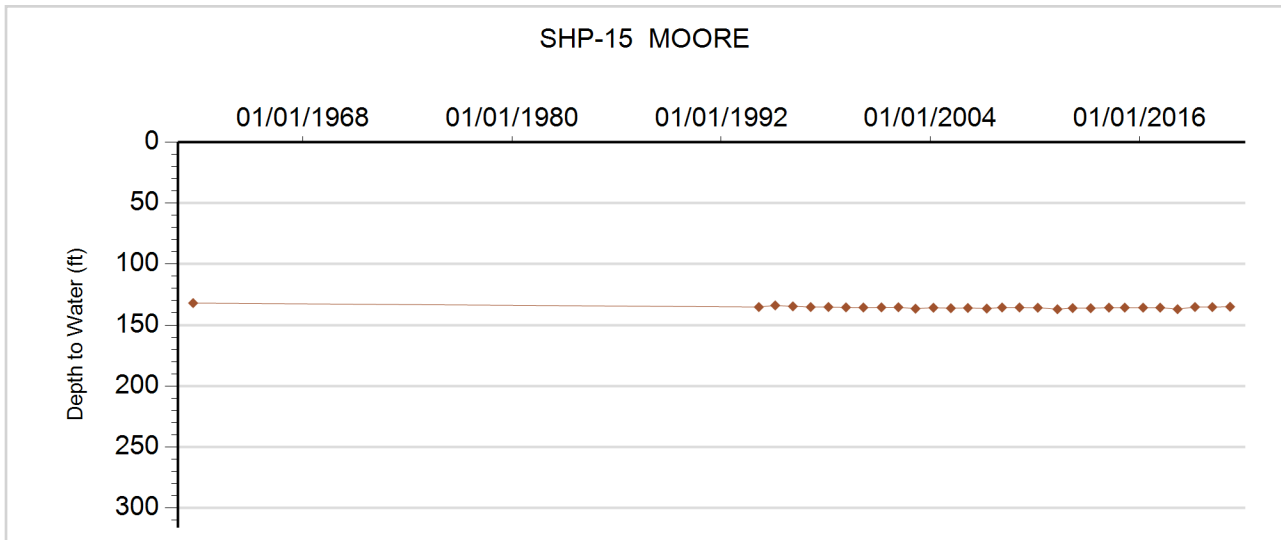
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	135.00	4475.00	0.28
02/27/2020	135.28	4474.72	-0.08
02/28/2019	135.20	4474.80	1.77
02/28/2018	136.97	4473.03	-1.22
03/01/2017	135.75	4474.25	-0.02
03/09/2016	135.73	4474.27	-0.03
02/19/2015	135.70	4474.30	0.04
03/25/2014	135.74	4474.26	0.46
03/08/2013	136.20	4473.80	-0.10
02/25/2012	136.10	4473.90	0.90

Construction Information

Surface Elevation (ft): 4610.00
 Well Depth (ft): 316.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA

Well Measurement Summary

Start Date: 09/22/1961 End Date: 03/06/2021
 Number of Measurements: 29





GROUNDWATER DETAILS

Well Name: SHP-16 COMMERCE RANCH 1
Permit Number:
WDID:
Data Source: DWR

Location Number: SC02904315CCB
USGS Site ID: 373058102151500
Applicant/Contact: COMMERCE RANCH

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
912 S	66 W	NW	SW	SW	15	29.0 S	43.0 W	S	742599.0	4155748.0	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

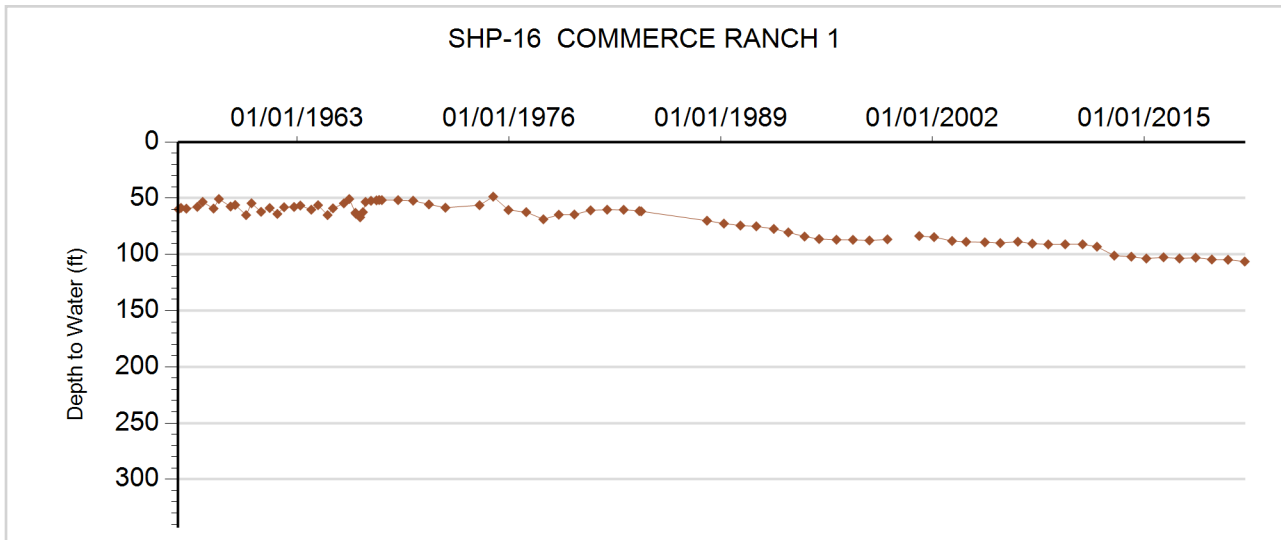
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	106.30	3808.28	-1.54
02/26/2020	104.76	3809.82	-0.25
02/27/2019	104.51	3810.07	-1.62
03/01/2018	102.89	3811.69	0.72
03/02/2017	103.61	3810.97	-1.06
03/10/2016	102.55	3812.03	1.10
02/20/2015	103.65	3810.93	-1.64
03/20/2014	102.01	3812.57	-0.91
03/02/2013	101.10	3813.48	-8.00
02/08/2012	93.10	3821.48	-2.10

Construction Information

Surface Elevation (ft): 3914.58
 Well Depth (ft): 343.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 09/20/1955 End Date: 03/06/2021
 Number of Measurements: 82





GROUNDWATER DETAILS

Well Name: SHP-17 COMMERCE RANCH 2
Permit Number: 18427-RFP
WDID:
Data Source: DWR

Location Number: SC02904316BB
USGS Site ID:
Applicant/Contact: COMMERCE RANCH

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
1234 N	97 W		NW	NW	16	29.0 S	43.0 W	S	740942.8	4156665.3	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

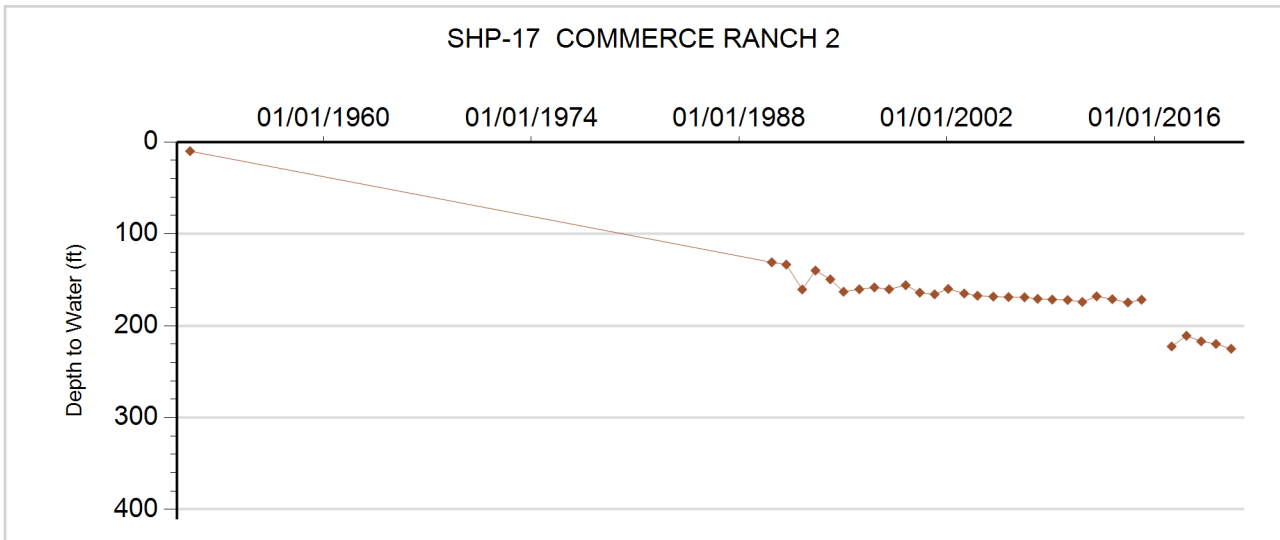
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	225.05	3713.95	-5.22
02/26/2020	219.83	3719.17	-2.82
02/27/2019	217.01	3721.99	-6.11
03/01/2018	210.90	3728.10	11.67
03/02/2017	222.57	3716.43	
03/10/2016			
02/20/2015	171.66	3767.34	3.03
03/20/2014	174.69	3764.31	-3.59
03/02/2013	171.10	3767.90	-3.10
02/08/2012	168.00	3771.00	6.10

Construction Information

Surface Elevation (ft): 3939.00
 Well Depth (ft): 411.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA, CHEYENNE

Well Measurement Summary

Start Date: 01/01/1951 End Date: 03/06/2021
 Number of Measurements: 33





GROUNDWATER DETAILS

Well Name: SHP-18 COMMERCE RANCH 3
Permit Number: 18427-SFP
WDID:
Data Source: DWR

Location Number: SC02904316CBB
USGS Site ID:
Applicant/Contact: COMMERCE RANCH

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3321 N	67 W	NW	NW	SW	16	29.0 S	43.0 W	S	740959.7	4156029.1	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

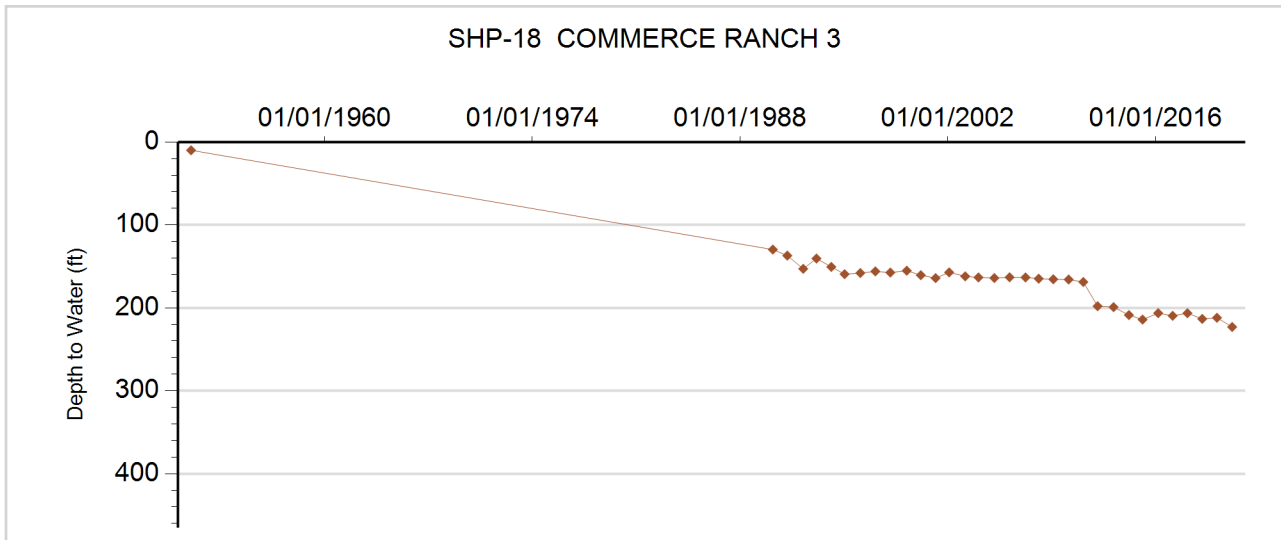
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	223.06	3712.94	-11.13
02/26/2020	211.93	3724.07	1.35
02/27/2019	213.28	3722.72	-6.84
03/01/2018	206.44	3729.56	3.13
03/02/2017	209.57	3726.43	-3.17
03/10/2016	206.40	3729.60	7.70
02/20/2015	214.10	3721.90	-5.44
03/20/2014	208.66	3727.34	-9.56
03/08/2013	199.10	3736.90	-1.10
02/08/2012	198.00	3738.00	-29.20

Construction Information

Surface Elevation (ft): 3936.00
 Well Depth (ft): 465.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA, CHEYENNE

Well Measurement Summary

Start Date: 01/01/1951 End Date: 03/06/2021
 Number of Measurements: 33





GROUNDWATER DETAILS

Well Name: SHP-19 COMMERCE RANCH 4
Permit Number: 67883-
WDID:
Data Source: DWR

Location Number: SC02904321BAD
USGS Site ID:
Applicant/Contact: COMMERCE RANCH

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
1264 N	2818 E	SE	NE	NW	21	29.0 S	43.0 W	S	741741.0	4155067.0	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

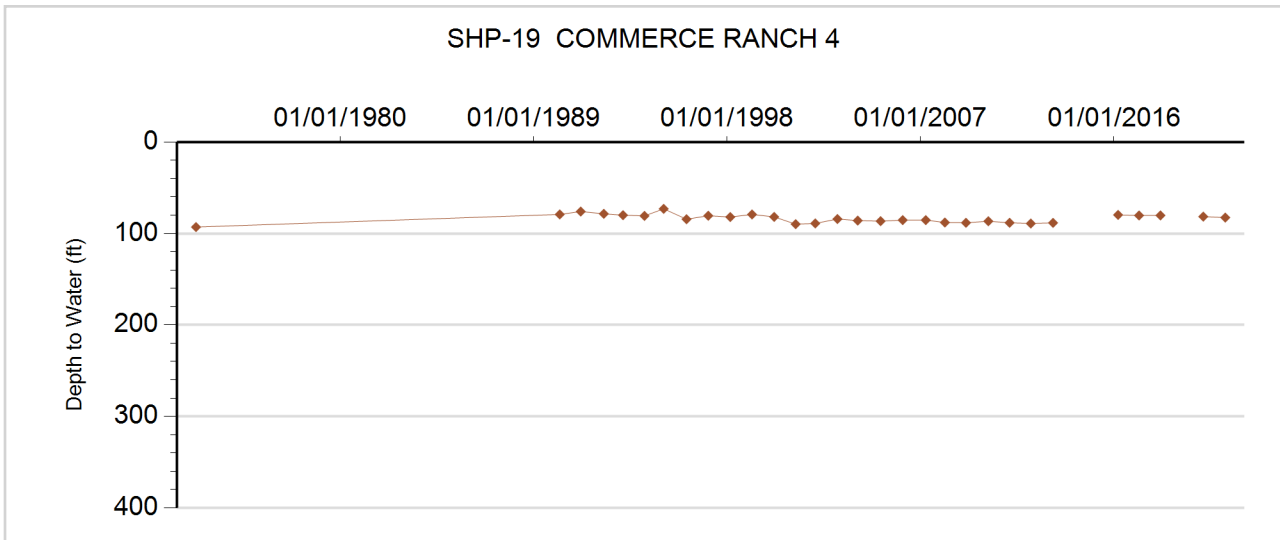
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	82.62	3832.38	-1.05
02/26/2020	81.57	3833.43	
02/27/2019			
03/01/2018	80.27	3834.73	0.03
03/02/2017	80.30	3834.70	-0.59
03/10/2016	79.71	3835.29	
02/20/2015			
03/20/2014			
03/02/2013	88.40	3826.60	0.70
02/18/2012	89.10	3825.90	-0.80

Construction Information

Surface Elevation (ft): 3915.00
 Well Depth (ft): 400.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA, CHEYENNE

Well Measurement Summary

Start Date: 04/16/1973 End Date: 03/06/2021
 Number of Measurements: 33





GROUNDWATER DETAILS

Well Name: SHP-20 THOMPSON,H.J.
Permit Number: 12273-R
WDID:
Data Source: DWR

Location Number: SC02904331CCC
USGS Site ID:
Applicant/Contact: THOMPSON,H.J.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
61 S	31 W	SW	SW	SW	31	29.0 S	43.0 W	S	737906.0	4150522.9	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

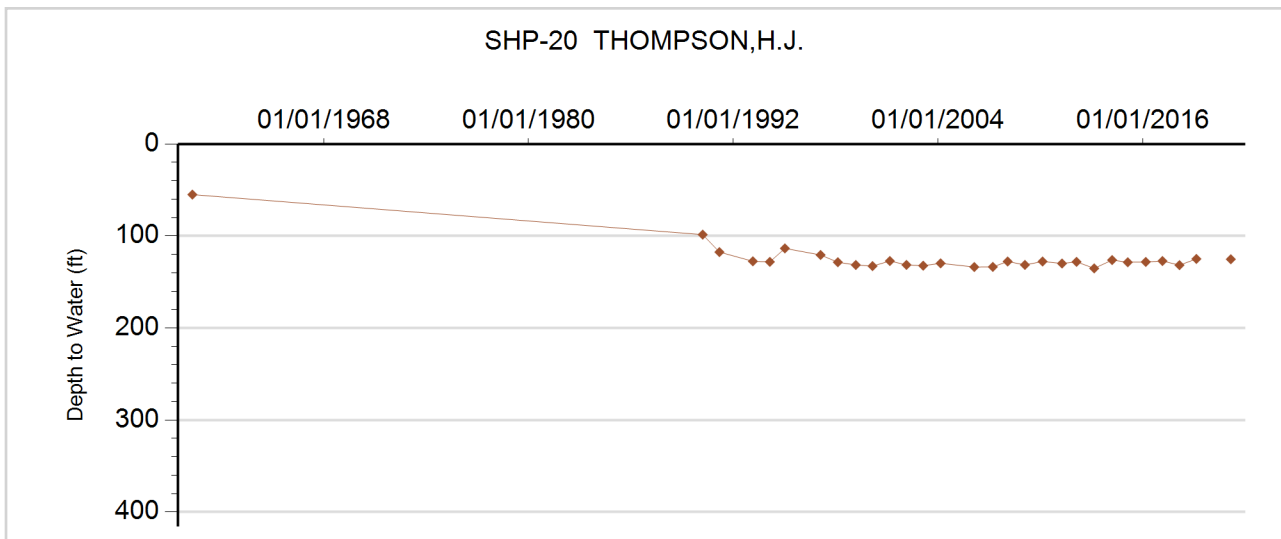
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	125.29	3838.71	
02/26/2020			
02/27/2019	124.91	3839.09	6.78
03/01/2018	131.69	3832.31	-4.48
03/02/2017	127.21	3836.79	0.99
03/10/2016	128.20	3835.80	0.34
02/19/2015	128.54	3835.46	-2.39
03/20/2014	126.15	3837.85	9.05
03/02/2013	135.20	3828.80	-7.10
02/18/2012	128.10	3835.90	1.80

Construction Information

Surface Elevation (ft): 3964.00
 Well Depth (ft): 416.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA, CHEYENNE

Well Measurement Summary

Start Date: 04/20/1960 End Date: 03/05/2021
 Number of Measurements: 30





GROUNDWATER DETAILS

Well Name: SHP-21 SC02904415C
Permit Number: 10133-FP
WDID:
Data Source: DWR

Location Number: SC02904415CD
USGS Site ID:
Applicant/Contact:

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
1140 S	2644 E		SE	SW	15	29.0 S	44.0 W	S	733706.2	4155531.0	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

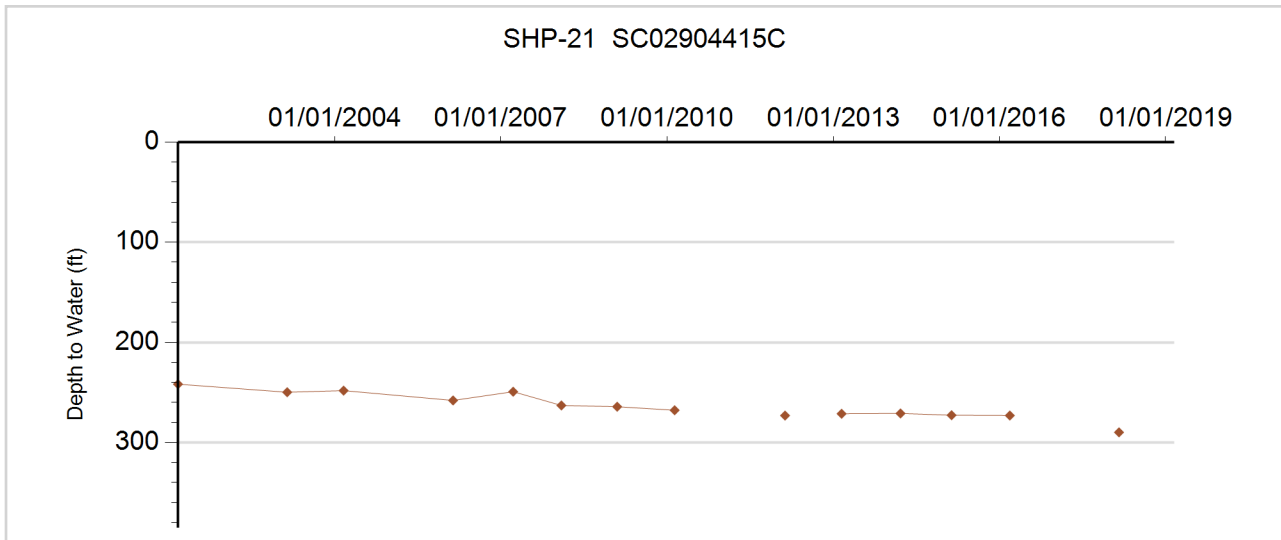
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2019			
02/28/2018	289.87	3755.13	
03/01/2017			
03/10/2016	273.08	3771.92	-0.34
02/20/2015	272.74	3772.26	-1.73
03/20/2014	271.01	3773.99	0.29
02/25/2013	271.30	3773.70	
02/24/2013			
02/18/2012	273.10	3771.90	
04/12/2011			

Construction Information

Surface Elevation (ft): 4045.00
 Well Depth (ft): 385.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA, CHEYENNE

Well Measurement Summary

Start Date: 03/04/2001 End Date: 02/28/2019
 Number of Measurements: 18





GROUNDWATER DETAILS

Well Name: SHP-22 DUNN-RED
Permit Number: 10173-F
WDID:
Data Source: DWR

Location Number: SC02904431CC
USGS Site ID:
Applicant/Contact: DUNN-RED

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
221 S	65 W		SW	SW	31	29.0 S	44.0 W	S	728293.5	4150245.8	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

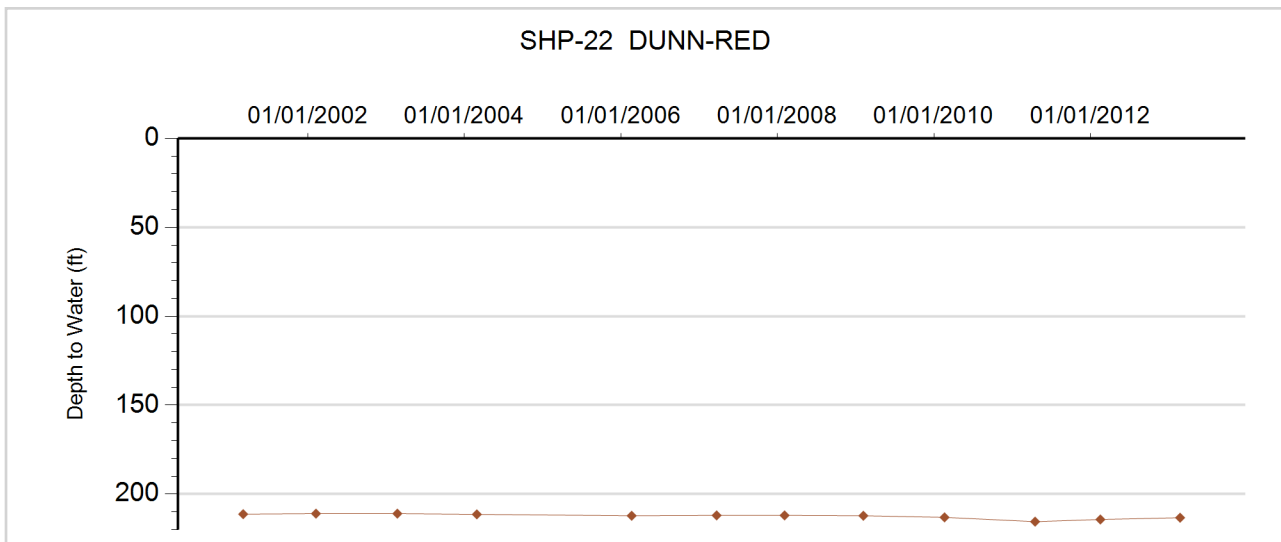
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/24/2013	213.30	3879.70	1.00
02/18/2012	214.30	3878.70	1.20
04/19/2011	215.50	3877.50	-2.40
02/20/2010	213.10	3879.90	-0.90
02/06/2009	212.20	3880.80	-0.20
02/04/2008	212.00	3881.00	0.00
03/24/2007	212.00	3881.00	0.20
02/20/2006	212.20	3880.80	-0.80
02/28/2004	211.40	3881.60	-0.40
02/22/2003	211.00	3882.00	0.00

Construction Information

Surface Elevation (ft): 4093.00
 Well Depth (ft): 220.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA, ALL UNNAMED AQUIFERS

Well Measurement Summary

Start Date: 03/04/2001 End Date: 02/24/2013
 Number of Measurements: 12





GROUNDWATER DETAILS

Well Name: SHP-23 WILSON,F.
Permit Number: 3126-F
WDID:
Data Source: DWR

Location Number: SC02904605BB
USGS Site ID: 373308102370300
Applicant/Contact: WILSON,F.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
1312 N	126 W		NW	NW	5	29.0 S	46.0 W	S	710240.0	4158945.0	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

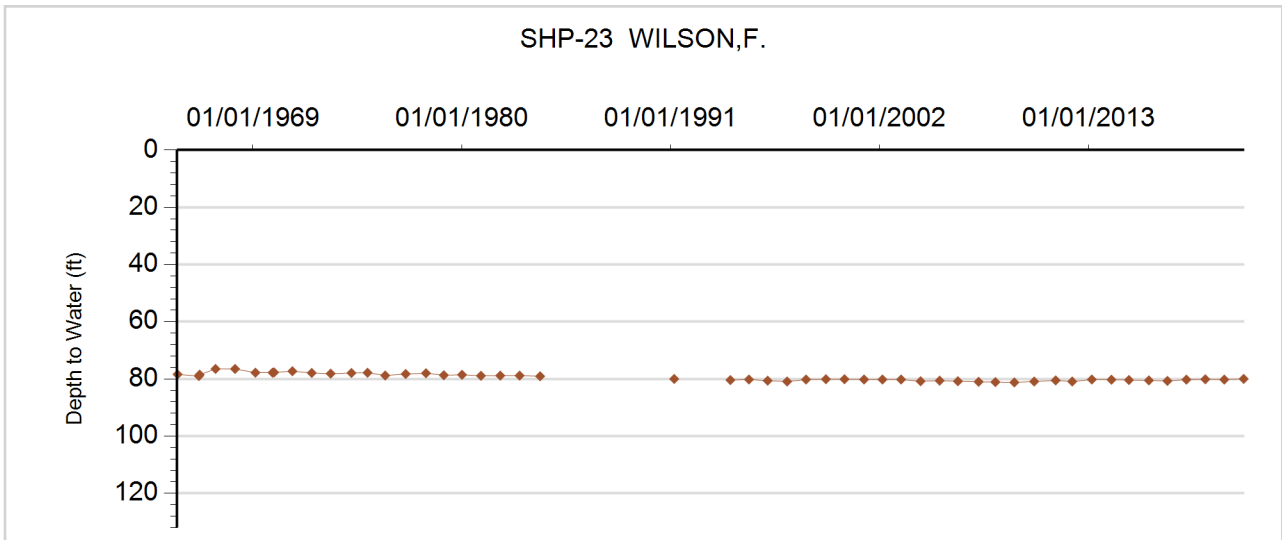
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	79.99	4302.03	0.23
02/27/2020	80.22	4301.80	-0.10
02/28/2019	80.12	4301.90	0.12
02/28/2018	80.24	4301.78	0.45
03/01/2017	80.69	4301.33	-0.19
03/09/2016	80.50	4301.52	-0.12
02/19/2015	80.38	4301.64	-0.11
03/20/2014	80.27	4301.75	-0.07
03/08/2013	80.20	4301.82	0.70
02/25/2012	80.90	4301.12	-0.40

Construction Information

Surface Elevation (ft): 4382.02
 Well Depth (ft): 132.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA

Well Measurement Summary

Start Date: 01/15/1965 End Date: 03/06/2021
 Number of Measurements: 54





GROUNDWATER DETAILS

Well Name: SHP-24 CHENOWETH,W.V.
Permit Number: 62402-
WDID:
Data Source: DWR

Location Number: SC02904607BBB
USGS Site ID:
Applicant/Contact: CHENOWETH,W.V.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
1 S	466 W	NW	SW	SW	6	29.0 S	46.0 W	S	708818.0	4157678.0	GPS

Division: 2 District: 67
 County: PROWERS
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

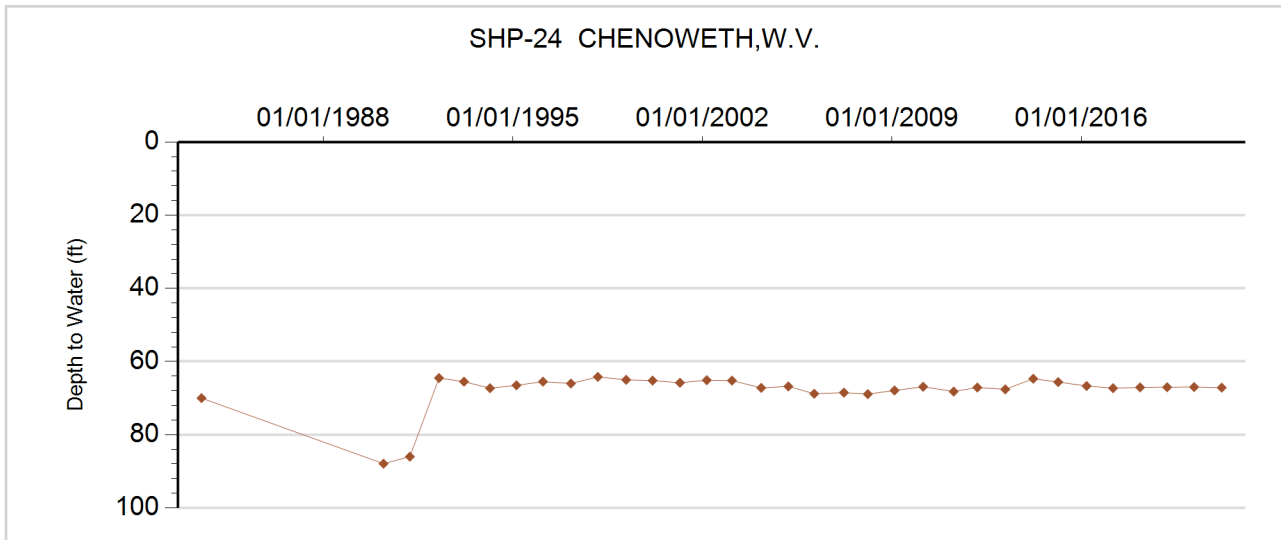
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	67.13	4312.87	-0.15
02/27/2020	66.98	4313.02	0.04
02/28/2019	67.02	4312.98	0.04
02/28/2018	67.06	4312.94	0.22
03/01/2017	67.28	4312.72	-0.60
03/09/2016	66.68	4313.32	-1.07
02/19/2015	65.61	4314.39	-0.91
03/20/2014	64.70	4315.30	2.90
03/08/2013	67.60	4312.40	-0.50
02/25/2012	67.10	4312.90	1.10

Construction Information

Surface Elevation (ft): 4380.00
 Well Depth (ft): 100.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 70
 Depth to Bottom of Perforated Casing (ft): 100
 Source Aquifer(s): DAKOTA

Well Measurement Summary

Start Date: 07/01/1983 End Date: 03/06/2021
 Number of Measurements: 33





GROUNDWATER DETAILS

Well Name: SHP-25 BAMBER, M. R.
Permit Number: 593-RN
WDID:
Data Source: DWR

Location Number: SC02904828BBB
USGS Site ID:
Applicant/Contact: BAMBER, M. R.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
387 N	314 W	NW	NW	NW	28	29.0 S	48.0 W	S	692804.5	4152286.8	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

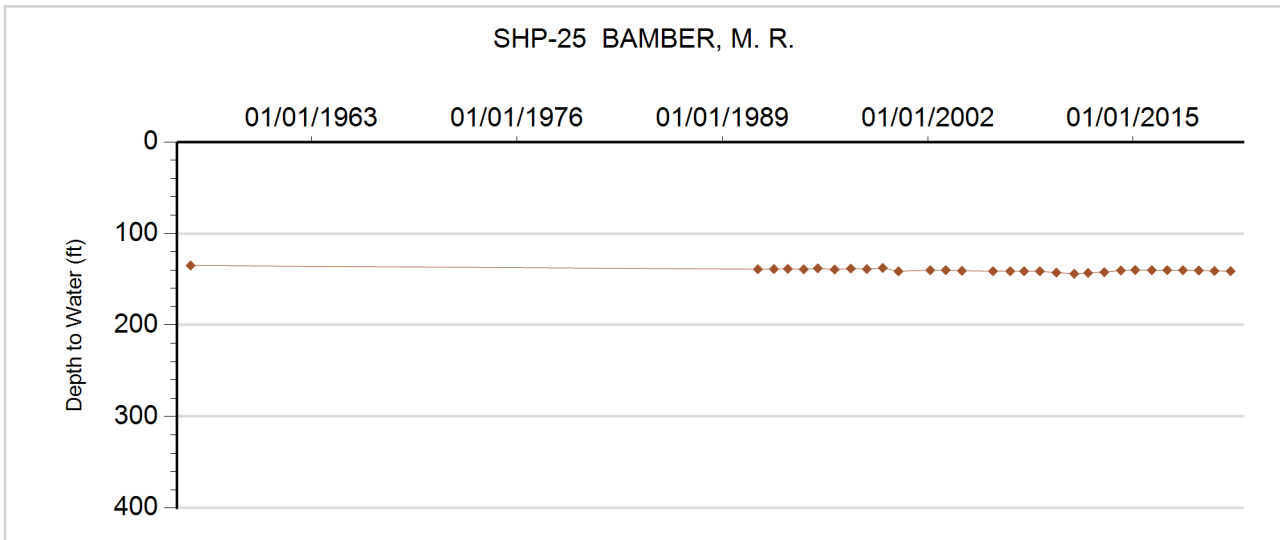
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	141.09	4533.91	-0.14
02/27/2020	140.95	4534.05	-0.53
02/28/2019	140.42	4534.58	-0.38
02/28/2018	140.04	4534.96	-0.01
03/01/2017	140.03	4534.97	0.01
03/09/2016	140.04	4534.96	-0.18
02/19/2015	139.86	4535.14	0.50
03/25/2014	140.36	4534.64	1.84
03/08/2013	142.20	4532.80	0.90
02/25/2012	143.10	4531.90	0.90

Construction Information

Surface Elevation (ft): 4675.00
 Well Depth (ft): 401.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 350
 Depth to Bottom of Perforated Casing (ft): 401
 Source Aquifer(s): DAKOTA, CHEYENNE

Well Measurement Summary

Start Date: 05/05/1955 End Date: 03/06/2021
 Number of Measurements: 30





GROUNDWATER DETAILS

Well Name: SHP-26 DILLINGER, ARDEN
Permit Number: 5472-FP
WDID:
Data Source: DWR

Location Number: SC03004120CBB
USGS Site ID: 372511102042000
Applicant/Contact: DILLINGER, ARDEN

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
2997 N	11 W	NW	NW	SW	20	30.0 S	41.0 W	S	758955.0	4145393.0	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

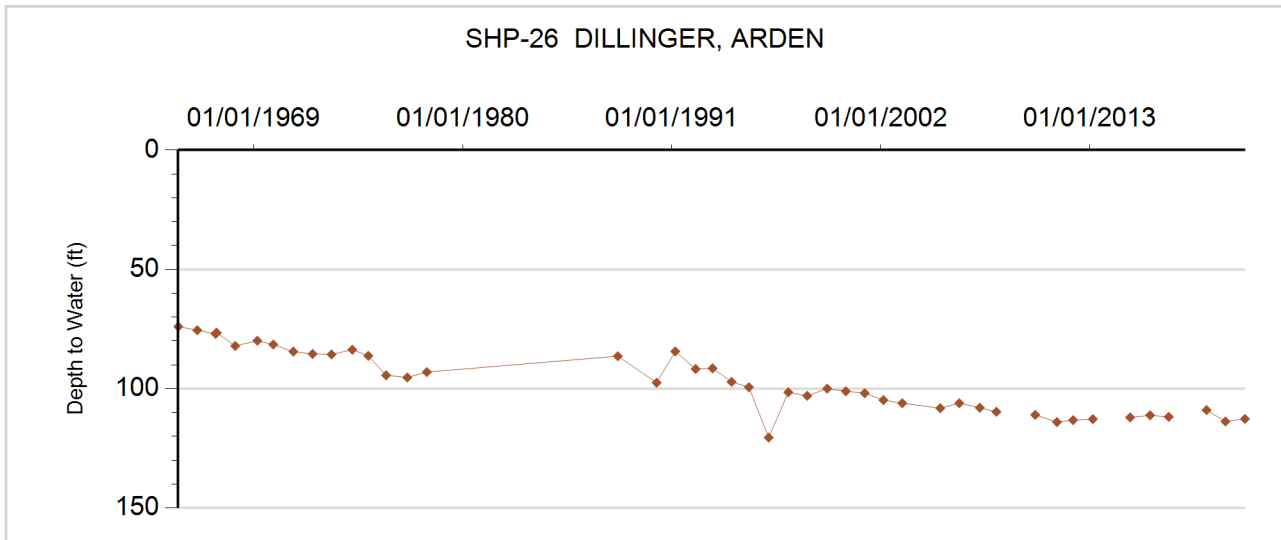
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	112.69	3572.79	1.07
02/25/2020	113.76	3571.72	-4.77
02/27/2019	108.99	3576.49	
03/01/2018			
03/01/2017	111.82	3573.66	-0.67
03/08/2016	111.15	3574.33	0.91
02/19/2015	112.06	3573.42	
03/20/2014			
03/02/2013	112.80	3572.68	0.40
02/18/2012	113.20	3572.28	0.80

Construction Information

Surface Elevation (ft): 3685.48
 Well Depth (ft): 150.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA

Well Measurement Summary

Start Date: 01/15/1965 End Date: 03/05/2021
 Number of Measurements: 48





GROUNDWATER DETAILS

Well Name: SHP-27 SPIRITUAL SC. CHURCH
Permit Number: 3351-F
WDID:
Data Source: DWR

Location Number: SC03004217DD
USGS Site ID:
Applicant/Contact: SPIRITUAL SC. CHURCH

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
1272 S	63 E		SE	SE	18	30.0 S	42.0 W	S	749275.0	4146369.0	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

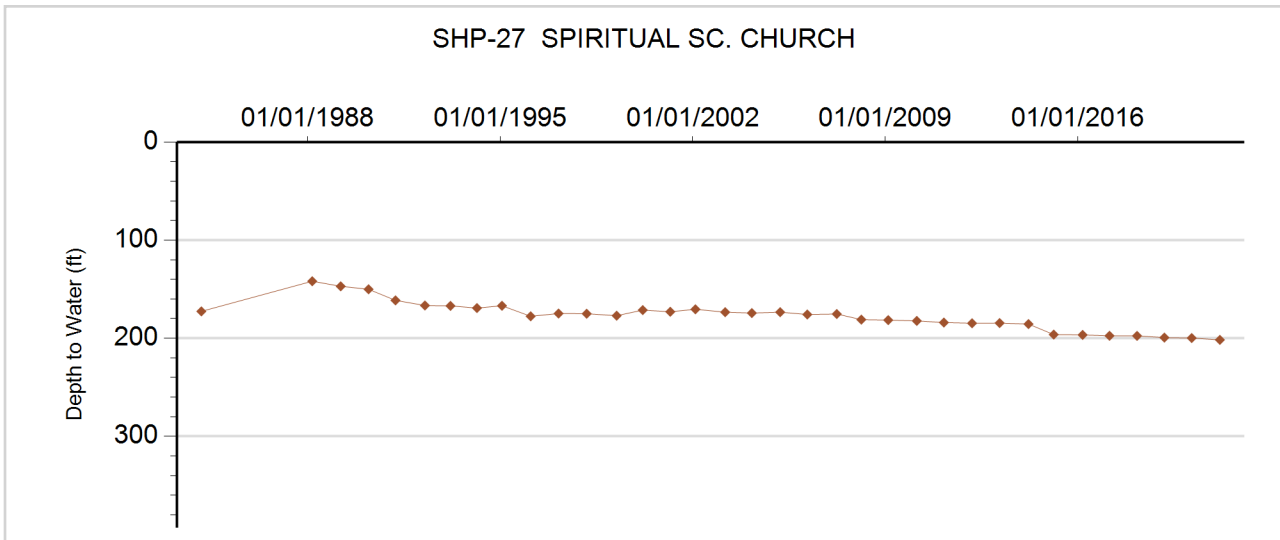
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	201.66	3628.34	-1.89
02/25/2020	199.77	3630.23	-0.45
02/27/2019	199.32	3630.68	-1.75
03/01/2018	197.57	3632.43	-0.08
03/01/2017	197.49	3632.51	-0.92
03/08/2016	196.57	3633.43	-0.32
02/19/2015	196.25	3633.75	-10.73
03/20/2014	185.52	3644.48	-1.02
03/02/2013	184.50	3645.50	0.20
03/01/2012	184.70	3645.30	-0.70

Construction Information

Surface Elevation (ft): 3830.00
 Well Depth (ft): 393.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA, CHEYENNE

Well Measurement Summary

Start Date: 02/20/1984 End Date: 03/05/2021
 Number of Measurements: 35





GROUNDWATER DETAILS

Well Name: SHP-28 HUME, ROD
Permit Number: 19206-FP
WDID:
Data Source: DWR

Location Number: SC03004234BC
USGS Site ID:
Applicant/Contact: HUME, ROD

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3954 S	1239 W		SW	NW	34	30.0 S	42.0 W	S	753003.0	4142489.1	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

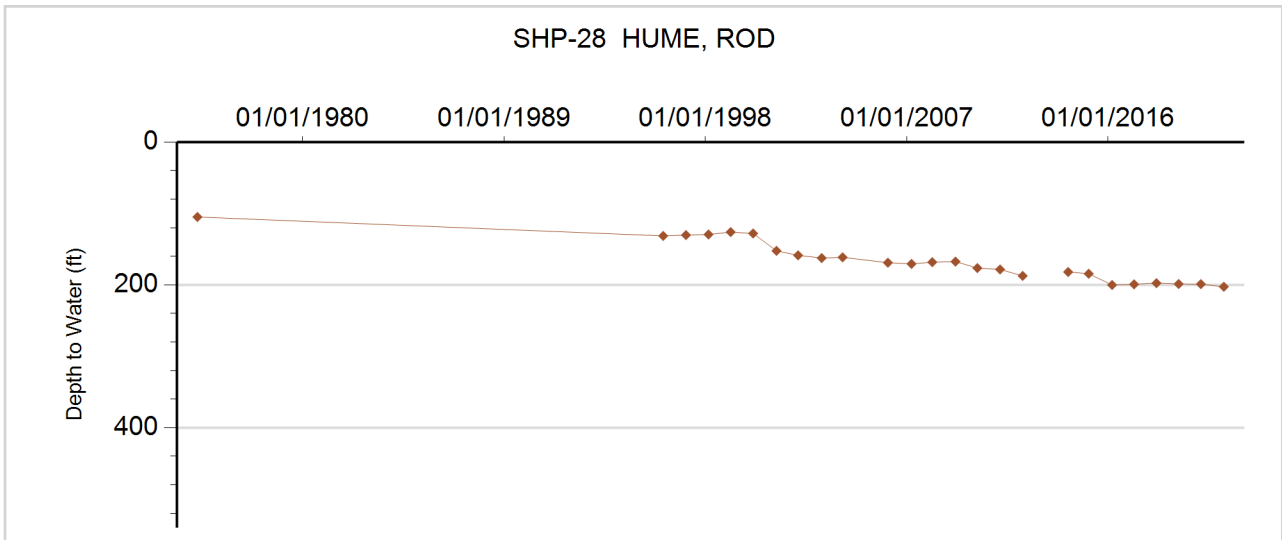
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	202.70	3577.30	-3.71
02/25/2020	198.99	3581.01	-0.14
02/27/2019	198.85	3581.15	-1.22
03/01/2018	197.63	3582.37	1.63
03/01/2017	199.26	3580.74	0.99
03/08/2016	200.25	3579.75	-15.75
02/19/2015	184.50	3595.50	-2.48
03/20/2014	182.02	3597.98	
03/01/2013			
03/09/2012	187.50	3592.50	-9.00

Construction Information

Surface Elevation (ft): 3780.00
 Well Depth (ft): 540.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 222
 Depth to Bottom of Perforated Casing (ft): 540
 Source Aquifer(s): CHEYENNE, DOCKUM

Well Measurement Summary

Start Date: 04/20/1975 End Date: 03/05/2021
 Number of Measurements: 26





GROUNDWATER DETAILS

Well Name: SHP-29 MUNDELL,J.
Permit Number: 22678-
WDID:
Data Source: DWR

Location Number: SC03004302BCB
USGS Site ID:
Applicant/Contact: MUNDELL,J.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3692 S	270 W	NW	SW	NW	2	30.0 S	43.0 W	S	744405.0	4150213.0	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

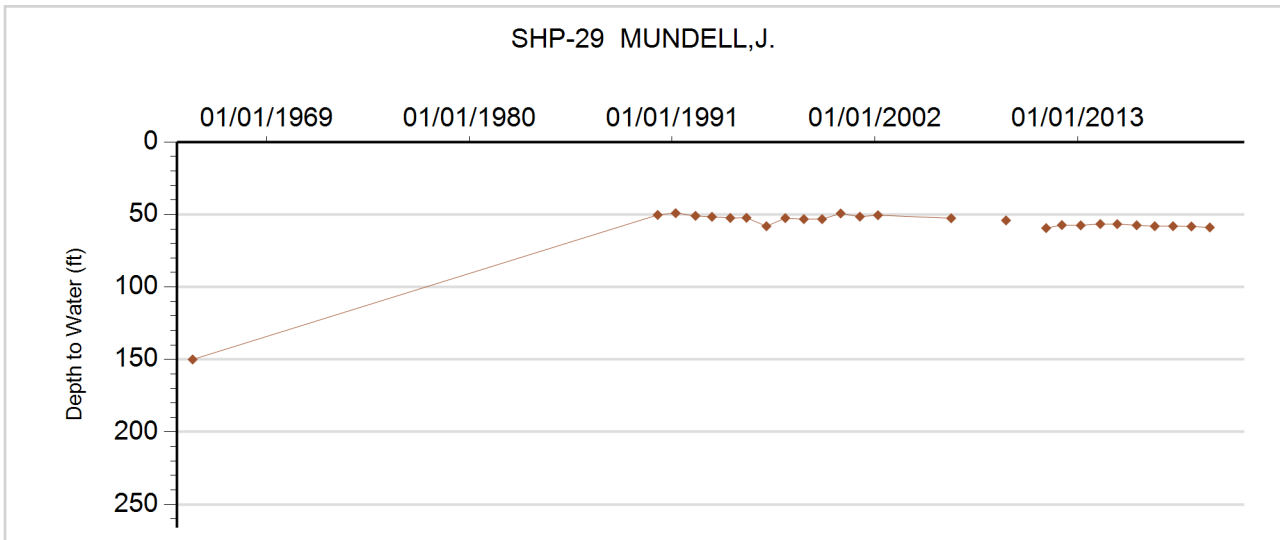
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021			
02/26/2020	58.92	3805.08	-0.65
02/27/2019	58.27	3805.73	-0.19
03/01/2018	58.08	3805.92	0.00
03/02/2017	58.08	3805.92	-0.65
03/10/2016	57.43	3806.57	-0.76
02/19/2015	56.67	3807.33	-0.08
03/20/2014	56.59	3807.41	0.91
02/26/2013	57.50	3806.50	-0.20
02/18/2012	57.30	3806.70	2.10

Construction Information

Surface Elevation (ft): 3864.00
 Well Depth (ft): 266.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA

Well Measurement Summary

Start Date: 12/30/1964 End Date: 03/05/2021
 Number of Measurements: 30





GROUNDWATER DETAILS

Well Name: SHP-30 HUME, CHARLES
Permit Number: 2503-FP
WDID:
Data Source: DWR

Location Number: SC03004309BBB
USGS Site ID:
Applicant/Contact: HUME, CHARLES

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
43 N	9 W	NW	NW	NW	9	30.0 S	43.0 W	S	741154.7	4148967.2	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

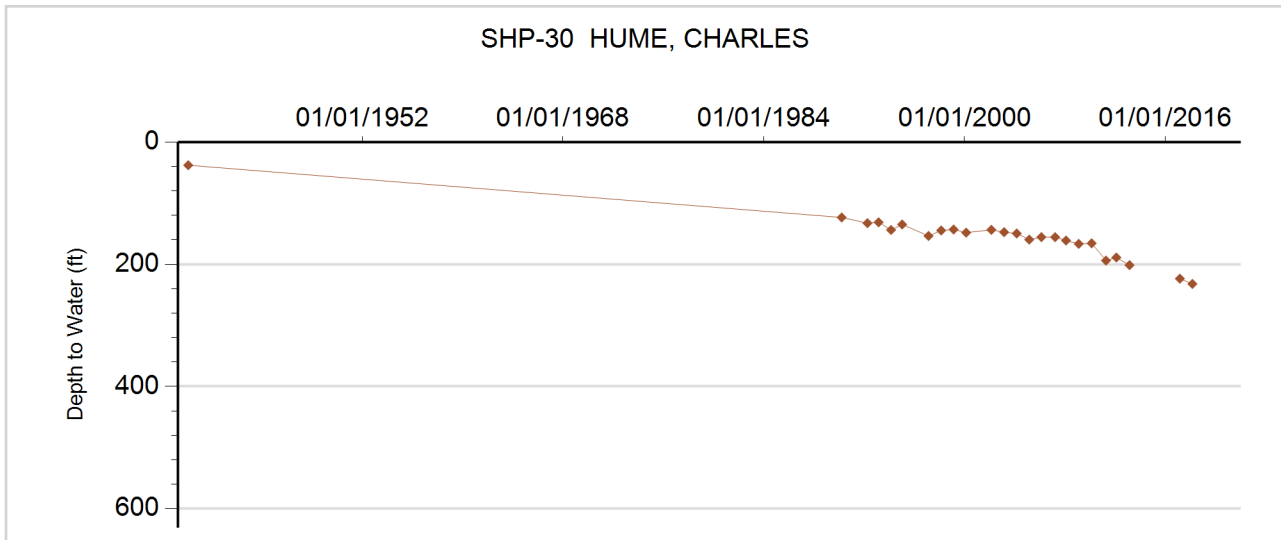
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021			
02/26/2020			
02/27/2019			
03/01/2018	232.23	3690.77	-8.63
03/02/2017	223.60	3699.40	
03/10/2016			
02/19/2015			
03/20/2014			
02/25/2013	201.50	3721.50	-12.50
02/08/2012	189.00	3734.00	5.00

Construction Information

Surface Elevation (ft): 3923.00
 Well Depth (ft): 631.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 200
 Depth to Bottom of Perforated Casing (ft): 300
 Source Aquifer(s): DAKOTA, CHEYENNE

Well Measurement Summary

Start Date: 02/21/1938 End Date: 03/05/2021
 Number of Measurements: 30





GROUNDWATER DETAILS

Well Name: SHP-31 AUSTIN
Permit Number: 16982-FP
WDID:
Data Source: DWR

Location Number: SC03004421BD
USGS Site ID:
Applicant/Contact: AUSTIN

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3903 S	2646 E		SE	NW	21	30.0 S	44.0 W	S	732419.0	4145097.4	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

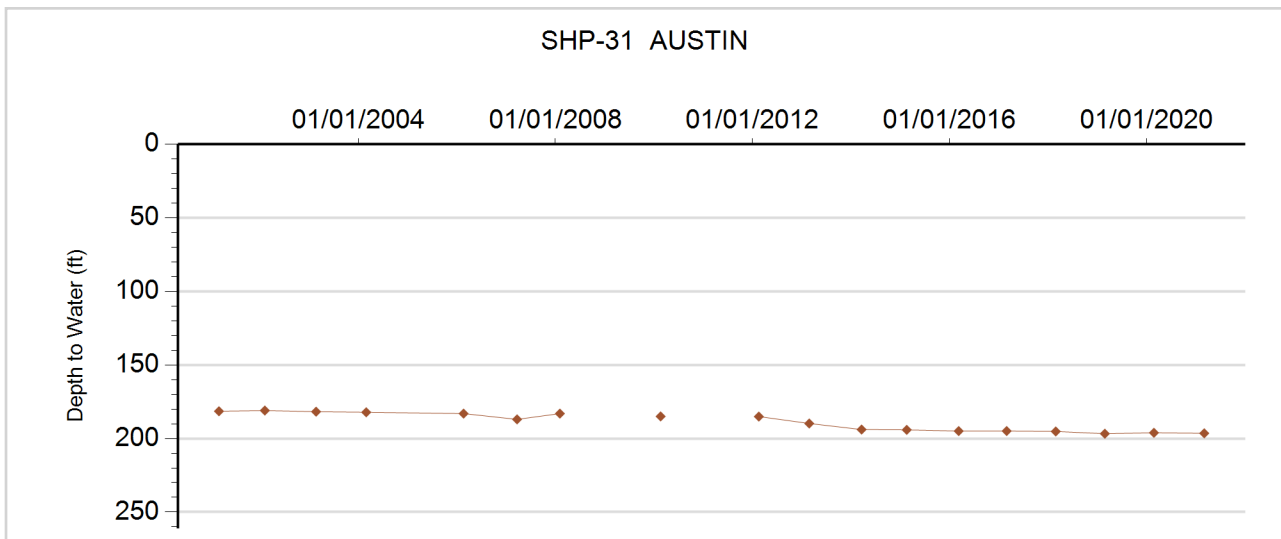
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	196.47	3853.53	-0.35
02/26/2020	196.12	3853.88	0.62
02/27/2019	196.74	3853.26	-1.52
02/28/2018	195.22	3854.78	-0.31
03/01/2017	194.91	3855.09	0.04
03/10/2016	194.95	3855.05	-0.82
02/19/2015	194.13	3855.87	-0.22
03/21/2014	193.91	3856.09	-4.11
02/26/2013	189.80	3860.20	-4.70
02/18/2012	185.10	3864.90	

Construction Information

Surface Elevation (ft): 4050.00
 Well Depth (ft): 261.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA, CHEYENNE

Well Measurement Summary

Start Date: 03/04/2001 End Date: 03/05/2021
 Number of Measurements: 20





GROUNDWATER DETAILS

Well Name: SHP-32 B & L FARMS
Permit Number: 10452-FP
WDID:
Data Source: DWR

Location Number: SC03004513CCC
USGS Site ID:
Applicant/Contact: B & L FARMS

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
365 S	68 W	SW	SW	SW	13	30.0 S	45.0 W	S	726810.0	4145432.0	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

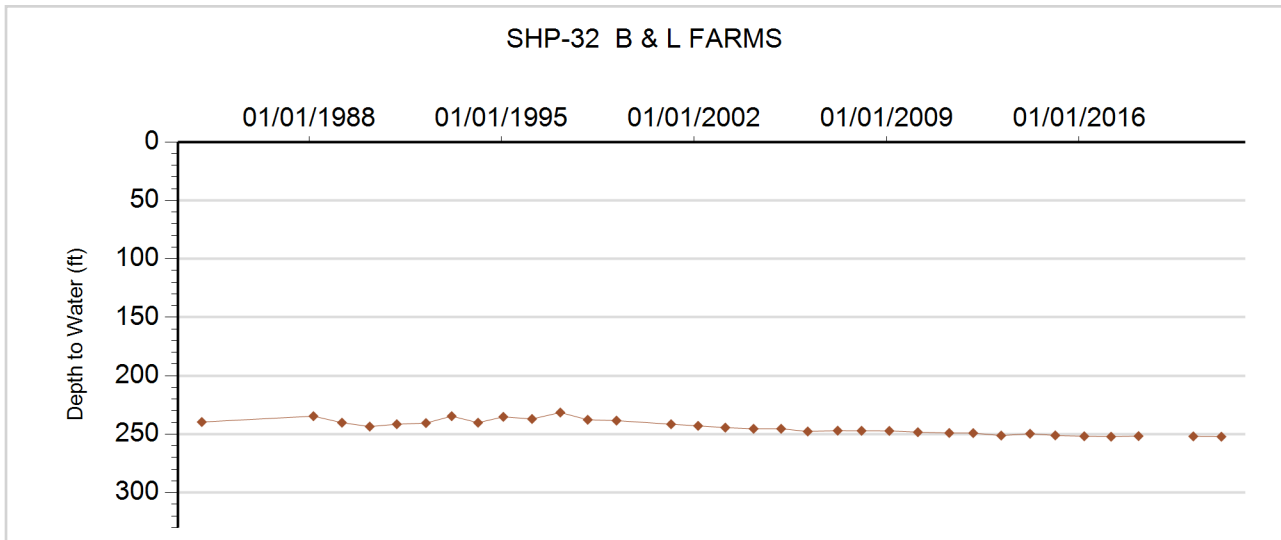
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	252.19	3895.81	-0.27
02/26/2020	251.92	3896.08	
02/27/2019			
02/28/2018	251.67	3896.33	0.51
03/01/2017	252.18	3895.82	-0.36
03/10/2016	251.82	3896.18	-0.77
02/19/2015	251.05	3896.95	-1.39
03/21/2014	249.66	3898.34	1.54
03/02/2013	251.20	3896.80	-2.10
02/25/2012	249.10	3898.90	-0.10

Construction Information

Surface Elevation (ft): 4148.00
 Well Depth (ft): 330.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 260
 Depth to Bottom of Perforated Casing (ft): 330
 Source Aquifer(s): CHEYENNE

Well Measurement Summary

Start Date: 02/09/1984 End Date: 03/05/2021
 Number of Measurements: 34





GROUNDWATER DETAILS

Well Name: SHP-33 WARD, H.
Permit Number:
WDID:
Data Source: DWR

Location Number: SC03004625DAB
USGS Site ID:
Applicant/Contact: WARD, H.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
2801 N	1272 E	NW	NE	SE	25	30.0 S	46.0 W	S	718353.0	4142603.0	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

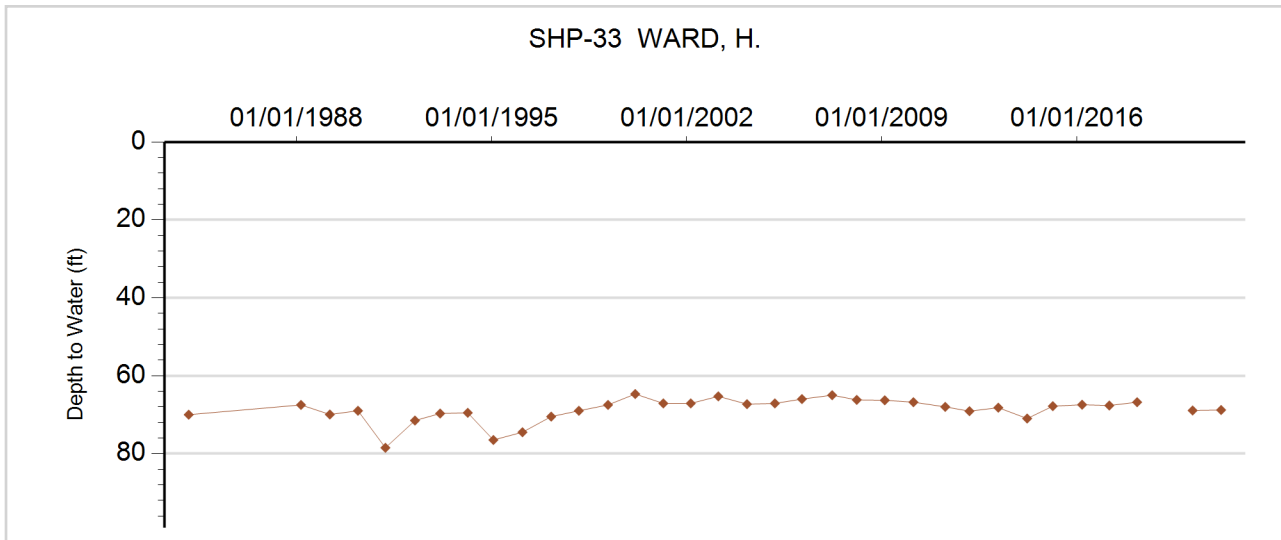
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	68.80	4169.20	0.12
02/26/2020	68.92	4169.08	
02/27/2019			
03/01/2018	66.80	4171.20	0.85
03/01/2017	67.65	4170.35	-0.21
03/10/2016	67.44	4170.56	0.37
02/20/2015	67.81	4170.19	3.18
03/21/2014	70.99	4167.01	-2.79
03/08/2013	68.20	4169.80	0.90
02/24/2012	69.10	4168.90	-1.10

Construction Information

Surface Elevation (ft): 4238.00
 Well Depth (ft): 99.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA

Well Measurement Summary

Start Date: 02/21/1984 End Date: 03/05/2021
 Number of Measurements: 35





GROUNDWATER DETAILS

Well Name: SHP-34 TWN.OF SPRINGFIELD
Permit Number: 15430-F
WDID:
Data Source: DWR

Location Number: SC03004631AC
USGS Site ID:
Applicant/Contact: TWN.OF SPRINGFIELD

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3420 S	3144 W		SW	NE	31	30.0 S	46.0 W	S	710072.0	4141093.0	Digitized

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

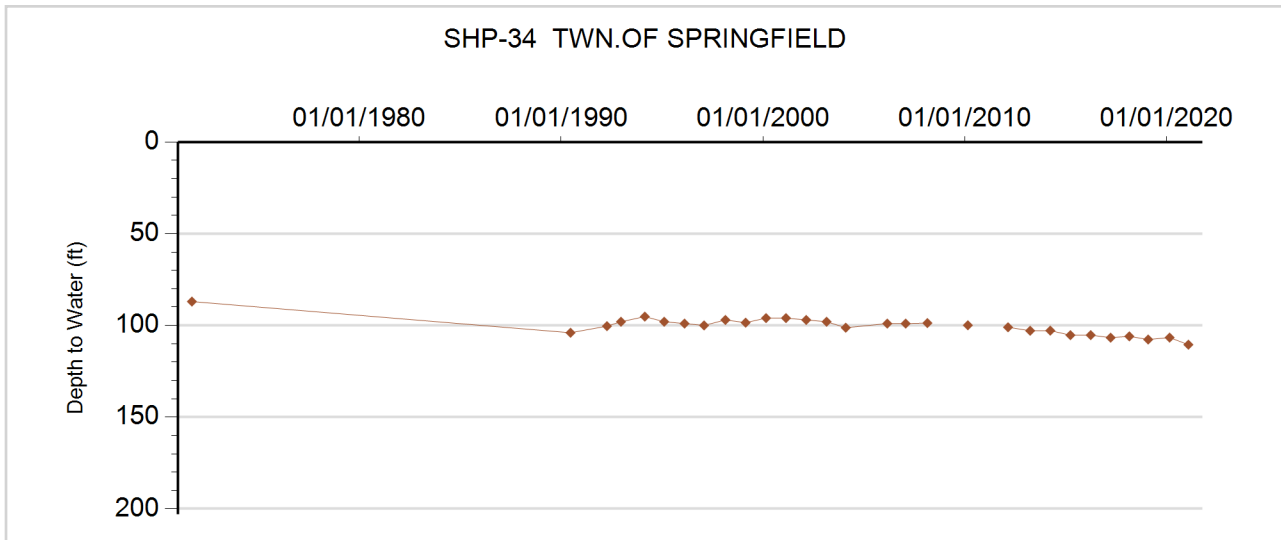
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/01/2021	110.50	4281.50	-3.87
02/28/2020	106.63	4285.37	1.04
02/04/2019	107.67	4284.33	-1.71
02/28/2018	105.96	4286.04	0.71
03/27/2017	106.67	4285.33	-1.40
03/31/2016	105.27	4286.73	0.02
03/30/2015	105.29	4286.71	-2.46
03/31/2014	102.83	4289.17	0.07
03/31/2013	102.90	4289.10	-1.90
02/25/2012	101.00	4291.00	

Construction Information

Surface Elevation (ft): 4392.00
 Well Depth (ft): 203.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 90
 Depth to Bottom of Perforated Casing (ft): 203
 Source Aquifer(s): DAKOTA

Well Measurement Summary

Start Date: 09/14/1971 End Date: 02/01/2021
 Number of Measurements: 31





GROUNDWATER DETAILS

Well Name: SHP-35 MINNICK, W & E
Permit Number: 11339-F
WDID:
Data Source: DWR

Location Number: SC03004827ADD
USGS Site ID:
Applicant/Contact: MINNICK, W & E

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
2822 S	371 E	SE	SE	NE	27	30.0 S	48.0 W	S	696077.0	4142061.0	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

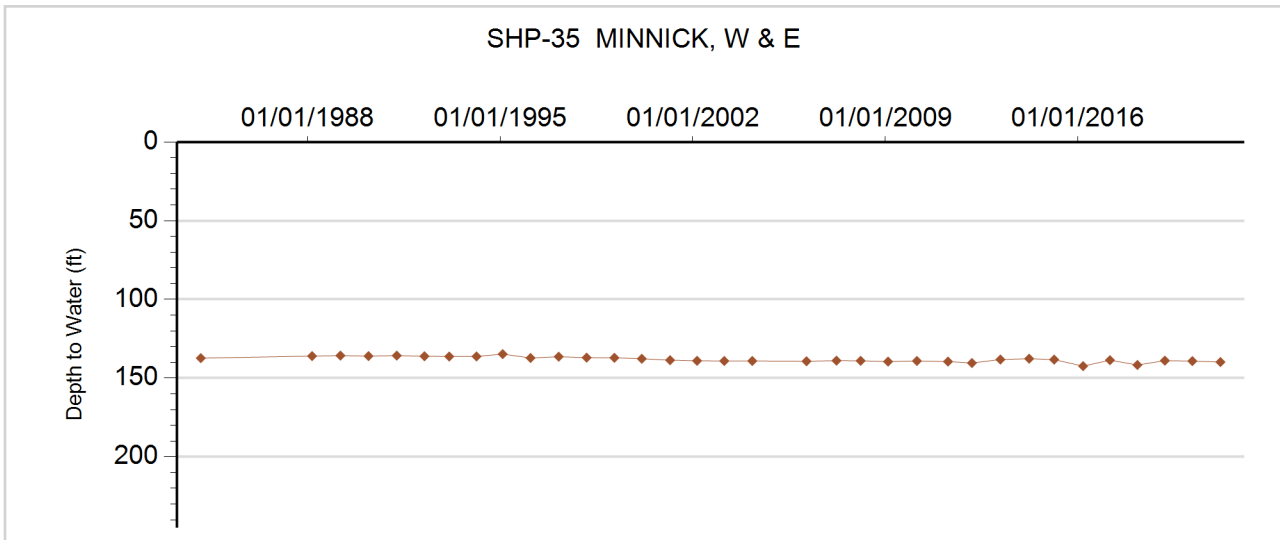
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	139.79	4532.21	-0.61
02/27/2020	139.18	4532.82	-0.27
02/28/2019	138.91	4533.09	2.74
02/28/2018	141.65	4530.35	-3.06
03/01/2017	138.59	4533.41	3.80
03/09/2016	142.39	4529.61	-4.14
02/19/2015	138.25	4533.75	-0.59
03/25/2014	137.66	4534.34	0.54
03/08/2013	138.20	4533.80	2.20
02/24/2012	140.40	4531.60	-0.90

Construction Information

Surface Elevation (ft): 4672.00
 Well Depth (ft): 245.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA

Well Measurement Summary

Start Date: 02/17/1984 End Date: 03/06/2021
 Number of Measurements: 34





GROUNDWATER DETAILS

Well Name: SHP-36 JESSER,HARVEY
Permit Number: 16299-FP
WDID:
Data Source: DWR

Location Number: SC03004911CB
USGS Site ID:
Applicant/Contact: JESSER,HARVEY

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
2653 N	70 W		NW	SW	11	30.0 S	49.0 W	S	686430.0	4146606.0	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

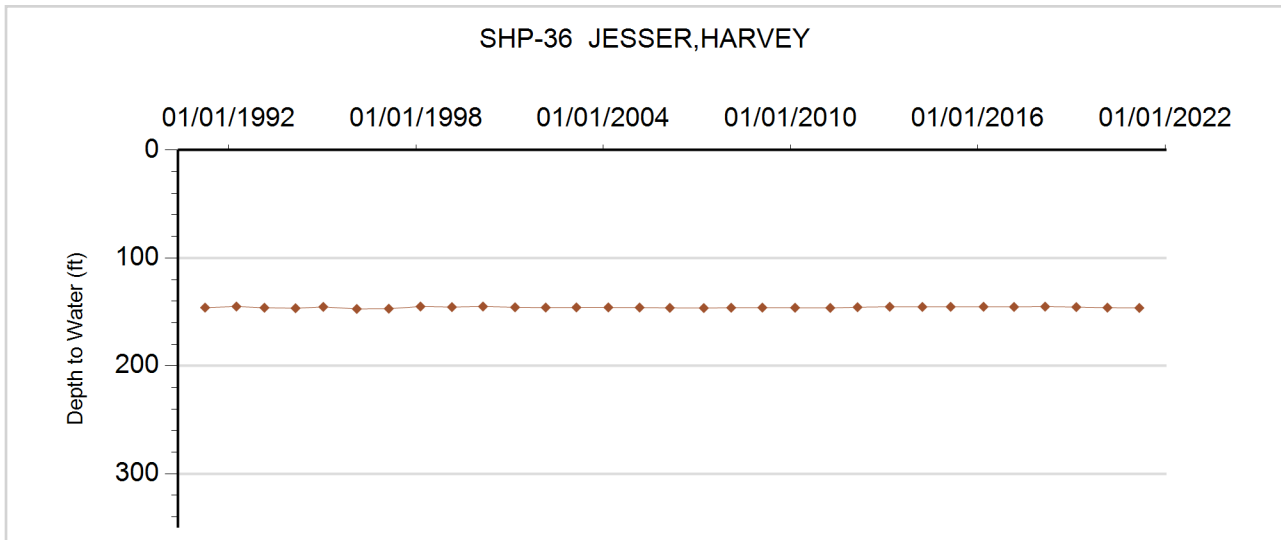
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2021	146.30	4633.70	-0.26
02/27/2020	146.04	4633.96	-0.52
02/28/2019	145.52	4634.48	-0.41
02/28/2018	145.11	4634.89	0.26
03/01/2017	145.37	4634.63	-0.18
03/09/2016	145.19	4634.81	0.07
02/19/2015	145.26	4634.74	0.11
03/25/2014	145.37	4634.63	-0.17
03/08/2013	145.20	4634.80	0.40
02/25/2012	145.60	4634.40	0.65

Construction Information

Surface Elevation (ft): 4780.00
 Well Depth (ft): 350.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): CHEYENNE

Well Measurement Summary

Start Date: 04/02/1991 End Date: 03/06/2021
 Number of Measurements: 31





GROUNDWATER DETAILS

Well Name: SHP-37 C.D.M. TRUST
Permit Number: 13002-RFP
WDID:
Data Source: DWR

Location Number: SC03104108DD
USGS Site ID:
Applicant/Contact: C.D.M. TRUST

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
1058 S	74 E		SE	SE	8	31.0 S	41.0 W	S	760480.4	4138326.8	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

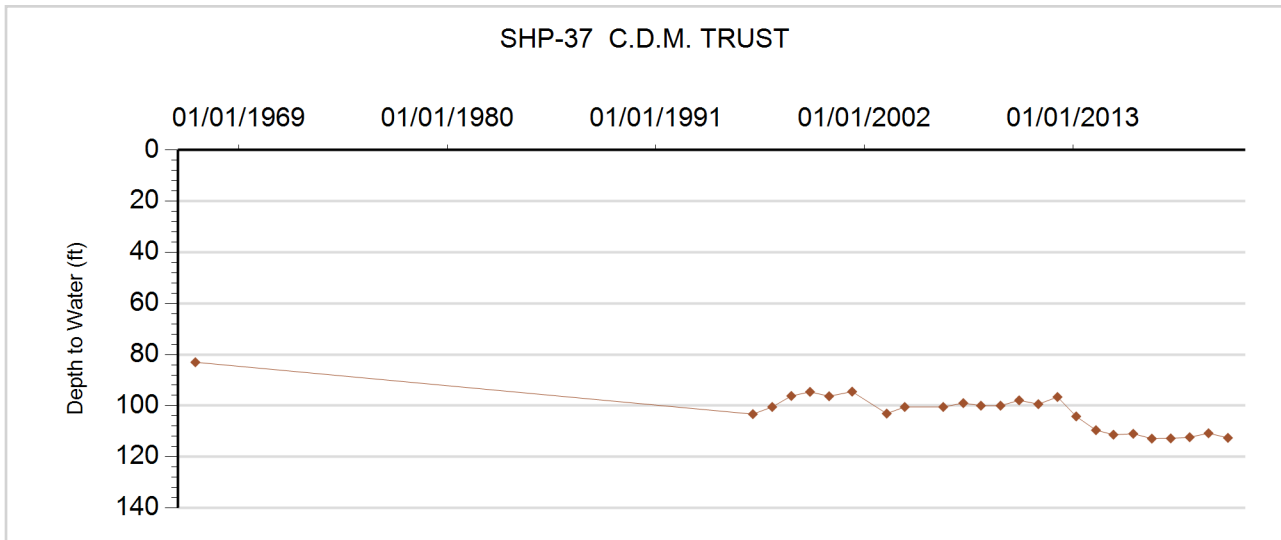
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	112.60	3577.88	-1.80
02/25/2020	110.80	3579.68	1.54
02/27/2019	112.34	3578.14	0.46
02/27/2018	112.80	3577.68	0.09
03/01/2017	112.89	3577.59	-1.90
03/08/2016	110.99	3579.49	0.36
02/19/2015	111.35	3579.13	-1.77
03/19/2014	109.58	3580.90	-5.38
03/03/2013	104.20	3586.28	-7.60
03/09/2012	96.60	3593.88	2.80

Construction Information

Surface Elevation (ft): 3690.48
 Well Depth (ft): 140.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA

Well Measurement Summary

Start Date: 09/15/1966 End Date: 03/05/2021
 Number of Measurements: 25





GROUNDWATER DETAILS

Well Name: SHP-38 MOORE, JOHN M.
Permit Number: 10290-FP
WDID:
Data Source: DWR

Location Number: SC03104230BAA
USGS Site ID:
Applicant/Contact: MOORE, JOHN M.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
25 N	3912 E	NE	NE	NW	30	31.0 S	42.0 W	S	748112.7	4134494.8	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

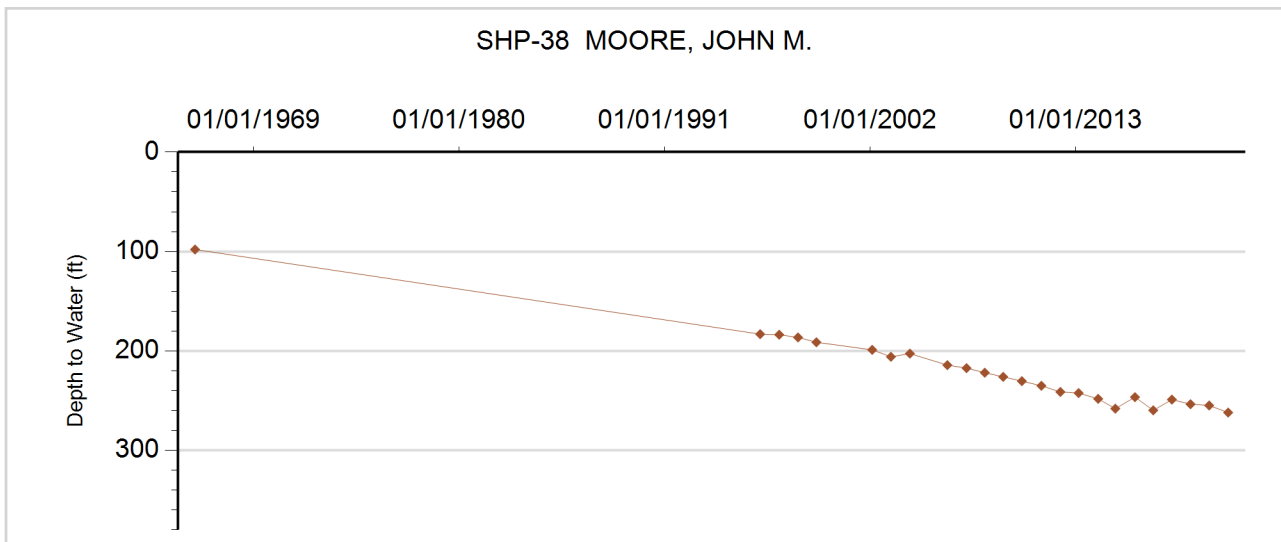
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	262.14	3567.86	-7.12
02/26/2020	255.02	3574.98	-1.30
02/27/2019	253.72	3576.28	-4.62
02/28/2018	249.10	3580.90	10.77
03/01/2017	259.87	3570.13	-13.25
03/08/2016	246.62	3583.38	11.58
02/18/2015	258.20	3571.80	-9.86
03/19/2014	248.34	3581.66	-5.84
03/02/2013	242.50	3587.50	-1.10
03/10/2012	241.40	3588.60	-6.20

Construction Information

Surface Elevation (ft): 3830.00
 Well Depth (ft): 380.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 85
 Depth to Bottom of Perforated Casing (ft): 380
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 11/12/1965 End Date: 03/05/2021
 Number of Measurements: 24





GROUNDWATER DETAILS

Well Name: SHP-39 MEASE, JAMES
Permit Number: 43852-FP
WDID:
Data Source: DWR

Location Number: SC03104231DDC
USGS Site ID:
Applicant/Contact: MEASE, JAMES

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
702 S	1253 E	SW	SE	SE	31	31.0 S	42.0 W	S	749032.9	4131484.6	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

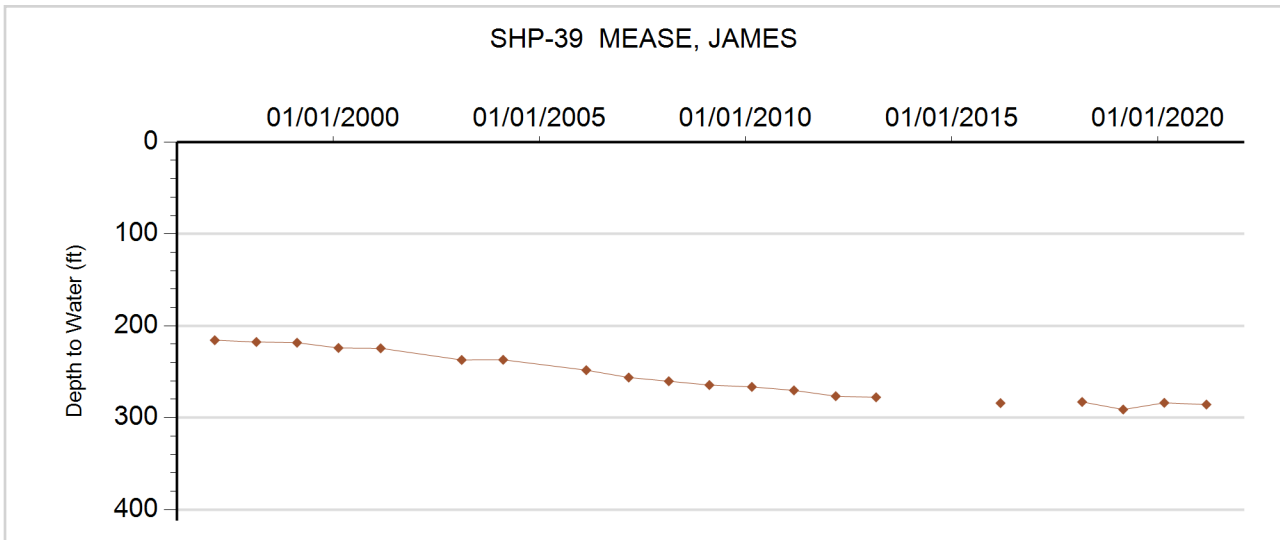
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	285.70	3534.30	-1.87
02/26/2020	283.83	3536.17	7.29
02/27/2019	291.12	3528.88	-8.27
02/28/2018	282.85	3537.15	
03/01/2017			
03/08/2016	284.15	3535.85	
02/18/2015			
03/19/2014			
03/02/2013	277.80	3542.20	-1.20
03/10/2012	276.60	3543.40	-6.30

Construction Information

Surface Elevation (ft): 3820.00
 Well Depth (ft): 412.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 252
 Depth to Bottom of Perforated Casing (ft): 412
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 02/19/1997 End Date: 03/05/2021
 Number of Measurements: 23





GROUNDWATER DETAILS

Well Name: SHP-40 MOORE, JOHN
Permit Number: 10620-FP
WDID:
Data Source: DWR

Location Number: SC03104232BDD
USGS Site ID:
Applicant/Contact: MOORE, JOHN

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
2726 S	2844 E	SE	SE	NW	32	31.0 S	42.0 W	S	750135.3	4132131.1	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

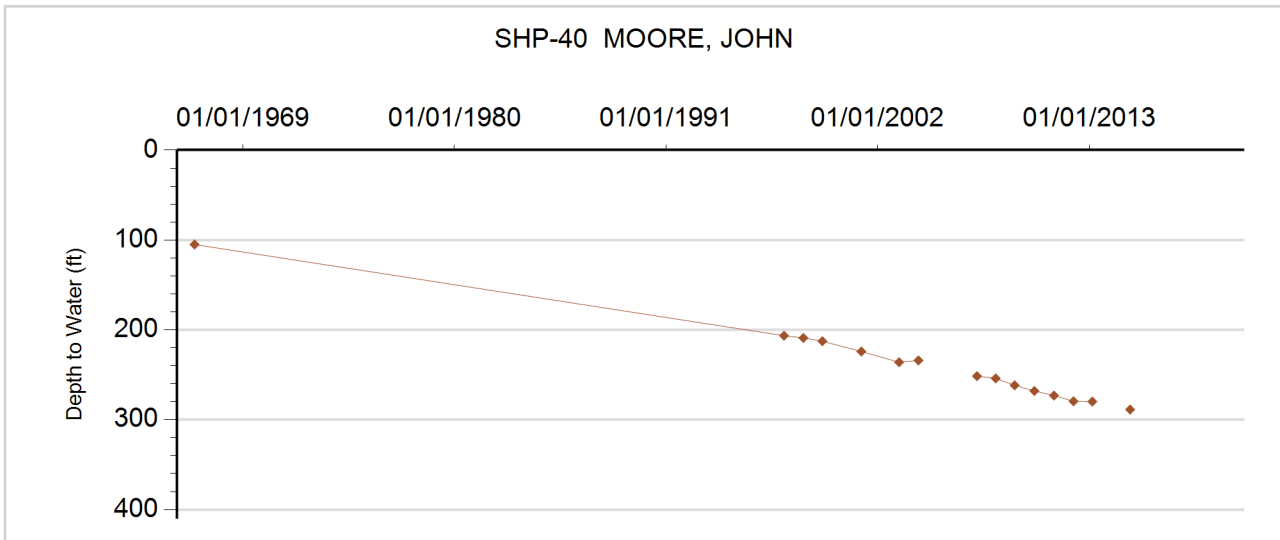
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/26/2020			
02/27/2019			
02/28/2018			
03/01/2017			
03/08/2016			
02/18/2015	288.70	3516.30	
03/19/2014			
03/02/2013	279.80	3525.20	-0.30
03/10/2012	279.50	3525.50	-6.40
03/06/2011	273.10	3531.90	-5.10

Construction Information

Surface Elevation (ft): 3805.00
 Well Depth (ft): 410.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 125
 Depth to Bottom of Perforated Casing (ft): 410
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 06/27/1966 End Date: 02/26/2020
 Number of Measurements: 22





GROUNDWATER DETAILS

Well Name: SHP-41 HOLT
Permit Number: 3573-FP
WDID:
Data Source: DWR

Location Number: SC03104308BC
USGS Site ID:
Applicant/Contact: HOLT

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3575 N	26 W		NW	SW	8	31.0 S	43.0 W	S	739569.0	4138036.0	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

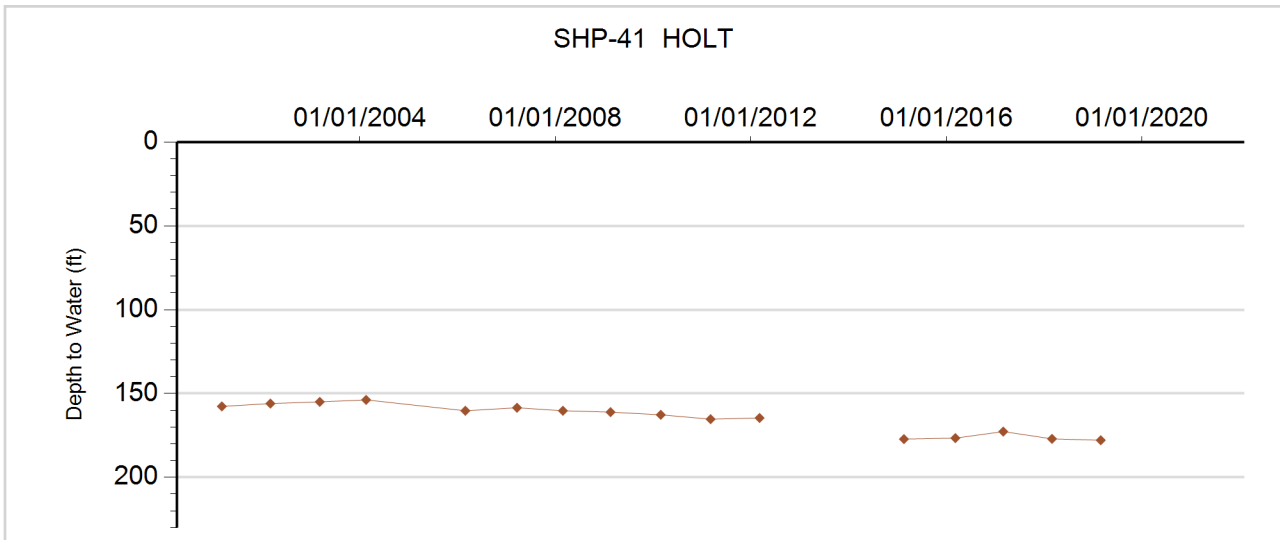
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021			
02/26/2020			
02/27/2019	177.86	3790.78	-0.80
02/28/2018	177.06	3791.58	-4.36
03/01/2017	172.70	3795.94	3.89
03/08/2016	176.59	3792.05	0.60
02/18/2015	177.19	3791.45	
03/19/2014			
03/02/2013			
03/06/2012	164.60	3804.04	0.70

Construction Information

Surface Elevation (ft): 3968.64
 Well Depth (ft): 230.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA, CHEYENNE

Well Measurement Summary

Start Date: 03/07/2001 End Date: 03/05/2021
 Number of Measurements: 20





GROUNDWATER DETAILS

Well Name: SHP-42 BURCHFIELD, W.K.
Permit Number: 2529-FP
WDID:
Data Source: DWR

Location Number: SC03104333BAA
USGS Site ID: 371832102160900
Applicant/Contact: BURCHFIELD, W.K.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
9 N	3184 E	NE	NE	NW	33	31.0 S	43.0 W	S	741975.0	4132678.0	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

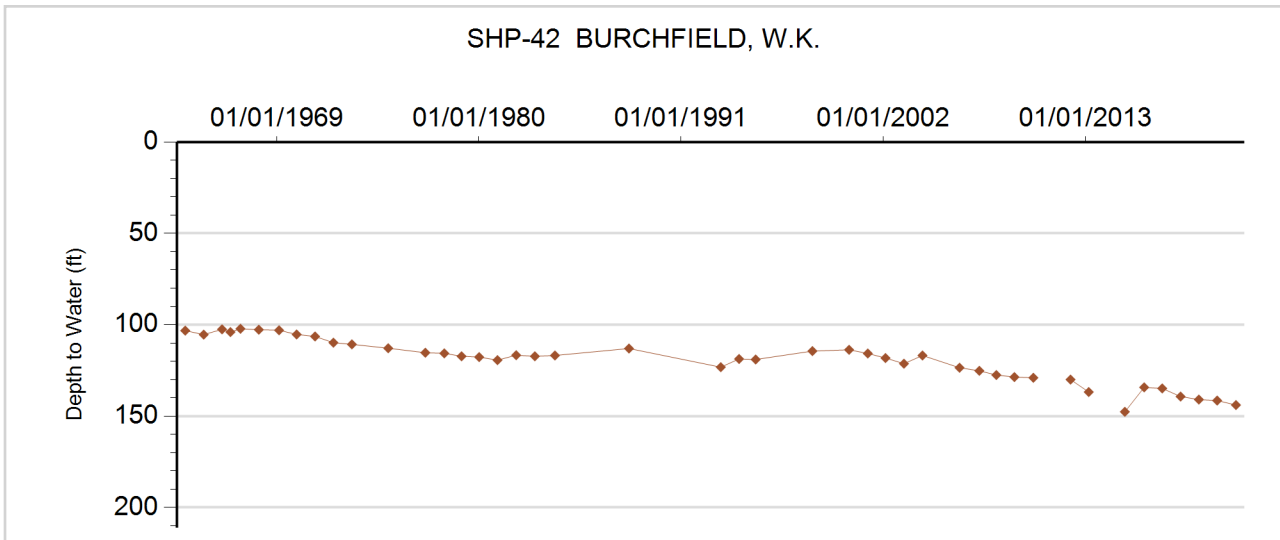
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	143.93	3777.63	-2.47
02/26/2020	141.46	3780.10	-0.55
02/27/2019	140.91	3780.65	-1.64
02/28/2018	139.27	3782.29	-4.45
03/01/2017	134.82	3786.74	-0.57
03/08/2016	134.25	3787.31	13.38
02/18/2015	147.63	3773.93	
03/19/2014			
03/02/2013	136.80	3784.76	-6.80
03/06/2012	130.00	3791.56	

Construction Information

Surface Elevation (ft): 3921.56
 Well Depth (ft): 211.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA

Well Measurement Summary

Start Date: 01/15/1964 End Date: 03/05/2021
 Number of Measurements: 46





GROUNDWATER DETAILS

Well Name: SHP-43 LOFLIN, L
Permit Number: 13835-RFP
WDID:
Data Source: DWR

Location Number: SC03104412CC
USGS Site ID:
Applicant/Contact: LOFLIN, L

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
399 S	41 W		SW	SW	12	31.0 S	44.0 W	S	735311.0	4137295.0	User supplied

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

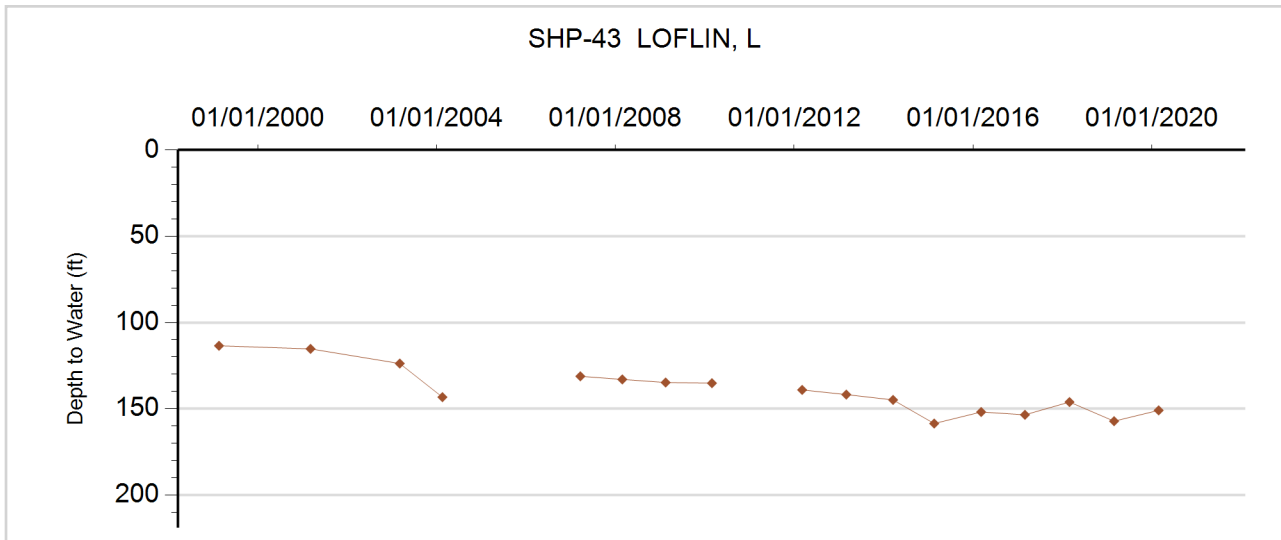
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021			
02/26/2020	150.96	3881.63	6.26
02/27/2019	157.22	3875.37	-11.08
02/28/2018	146.14	3886.45	7.39
03/01/2017	153.53	3879.06	-1.61
03/08/2016	151.92	3880.67	6.69
02/18/2015	158.61	3873.98	-13.72
03/19/2014	144.89	3887.70	-3.09
03/02/2013	141.80	3890.79	-2.70
03/06/2012	139.10	3893.49	

Construction Information

Surface Elevation (ft): 4032.59
 Well Depth (ft): 219.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA

Well Measurement Summary

Start Date: 02/18/1999 End Date: 03/05/2021
 Number of Measurements: 20





GROUNDWATER DETAILS

Well Name: SHP-44 WILSON, MACK
Permit Number: 2796-FP
WDID:
Data Source: DWR

Location Number: SC03104522BA
USGS Site ID:
Applicant/Contact: WILSON, MACK

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
720 N	3721 E		NE	NW	22	31.0 S	45.0 W	S	722954.9	4135054.7	User supplied

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

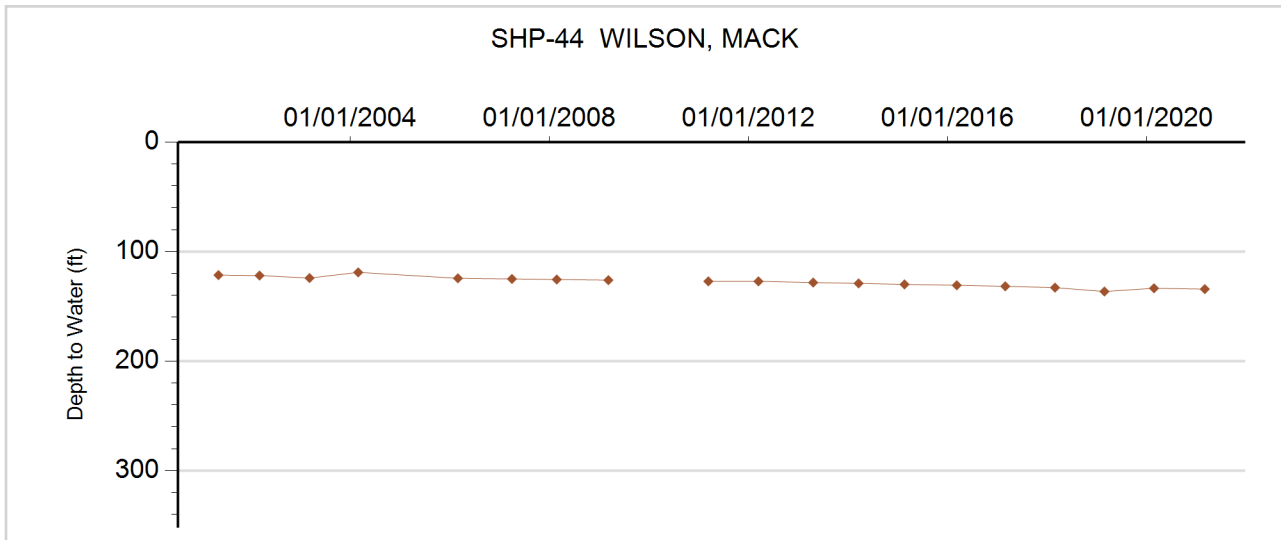
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	134.28	4074.77	-0.78
02/26/2020	133.50	4075.55	2.96
02/27/2019	136.46	4072.59	-3.54
03/01/2018	132.92	4076.13	-1.21
03/01/2017	131.71	4077.34	-0.92
03/10/2016	130.79	4078.26	-0.81
02/20/2015	129.98	4079.07	-0.91
03/20/2014	129.07	4079.98	-0.77
04/21/2013	128.30	4080.75	-1.10
03/15/2012	127.20	4081.85	0.00

Construction Information

Surface Elevation (ft): 4209.05
 Well Depth (ft): 352.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 80
 Depth to Bottom of Perforated Casing (ft): 352
 Source Aquifer(s): OGALLALA, DAKOTA

Well Measurement Summary

Start Date: 05/07/2001 End Date: 03/05/2021
 Number of Measurements: 20





GROUNDWATER DETAILS

Well Name: SHP-45 TWN.OF SPRINGFIELD
Permit Number: 6837-F
WDID:
Data Source: DWR

Location Number: SC03104604BC
USGS Site ID:
Applicant/Contact: TWN.OF SPRINGFIELD

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3291 S	697 W		SW	NW	4	31.0 S	46.0 W	S	711351.0	4139215.0	User supplied

Division: 2 District: 67
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

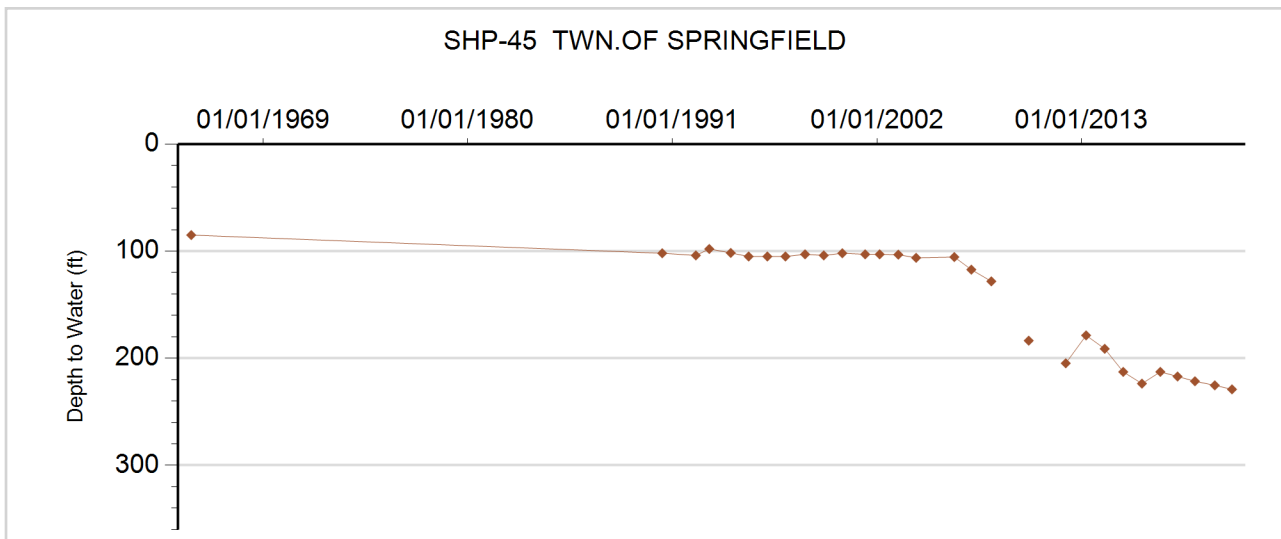
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/01/2021	229.04	4181.07	-3.75
02/28/2020	225.29	4184.82	-3.79
02/04/2019	221.50	4188.61	-4.46
02/28/2018	217.04	4193.07	-4.33
03/27/2017	212.71	4197.40	10.98
03/31/2016	223.69	4186.42	-10.94
03/30/2015	212.75	4197.36	-21.58
03/31/2014	191.17	4218.94	-12.50
03/31/2013	178.67	4231.44	26.03
02/25/2012	204.70	4205.41	

Construction Information

Surface Elevation (ft): 4410.11
 Well Depth (ft): 360.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA, DAKOTA

Well Measurement Summary

Start Date: 02/25/1965 End Date: 02/01/2021
 Number of Measurements: 31





GROUNDWATER DETAILS

Well Name: SHP-46 HUMPHREY
Permit Number: 10685-F
WDID:
Data Source: DWR

Location Number: SC03104632AB
USGS Site ID:
Applicant/Contact: HUMPHREY

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
45 N	3713 W		NW	NE	32	31.0 S	46.0 W	S	710838.0	4131715.0	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

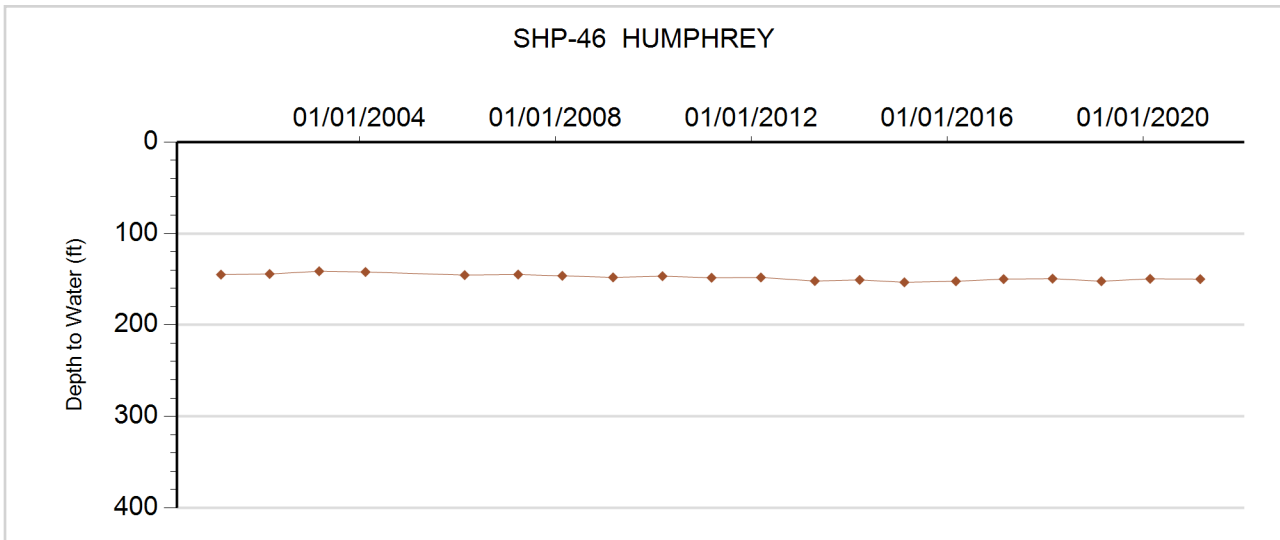
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	149.87	4282.13	-0.28
02/24/2020	149.59	4282.41	2.61
02/26/2019	152.20	4279.80	-2.78
02/27/2018	149.42	4282.58	0.47
02/27/2017	149.89	4282.11	2.35
03/08/2016	152.24	4279.76	1.16
02/18/2015	153.40	4278.60	-2.64
03/21/2014	150.76	4281.24	1.24
04/21/2013	152.00	4280.00	-3.90
03/15/2012	148.10	4283.90	0.30

Construction Information

Surface Elevation (ft): 4432.00
 Well Depth (ft): 400.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA, CHEYENNE

Well Measurement Summary

Start Date: 03/07/2001 End Date: 03/04/2021
 Number of Measurements: 20





GROUNDWATER DETAILS

Well Name: SHP-47 TROY BISHOP
Permit Number: 19969-FP
WDID:
Data Source: DWR

Location Number: SC03104714DC
USGS Site ID:
Applicant/Contact: TROY BISHOP

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
92 S	2687 W		SW	SE	14	31.0 S	47.0 W	S	705638.0	4134848.0	Digitized

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

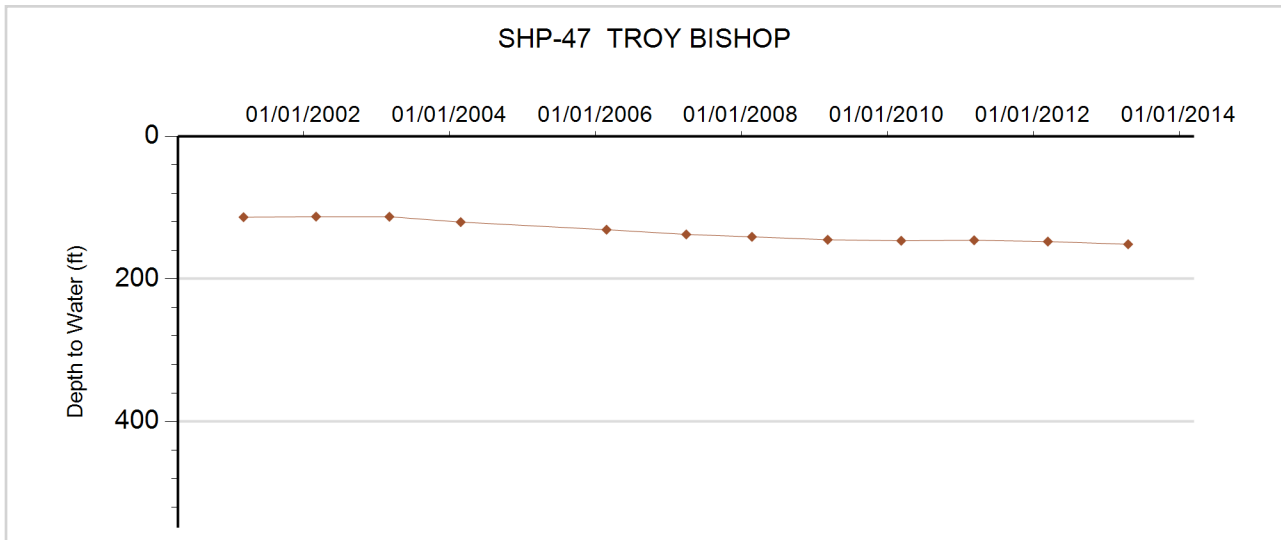
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
04/21/2013	151.40	4352.15	-3.80
03/15/2012	147.60	4355.95	-1.80
03/12/2011	145.80	4357.75	0.70
03/12/2010	146.50	4357.05	-1.40
03/09/2009	145.10	4358.45	-4.10
02/24/2008	141.00	4362.55	-3.40
04/01/2007	137.60	4365.95	-6.60
02/26/2006	131.00	4372.55	-10.70
02/27/2004	120.30	4383.25	-7.50
03/07/2003	112.80	4390.75	-0.20

Construction Information

Surface Elevation (ft): 4503.55
 Well Depth (ft): 549.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA, DAKOTA

Well Measurement Summary

Start Date: 03/07/2001 End Date: 04/21/2013
 Number of Measurements: 12





GROUNDWATER DETAILS

Well Name: SHP-48 KIRKENDALL,RBT.
Permit Number: 29877-
WDID:
Data Source: DWR

Location Number: SC03104821CAD
USGS Site ID:
Applicant/Contact: KIRKENDALL,RBT.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3790 N	2896 E	SE	NE	SW	21	31.0 S	48.0 W	S	692752.8	4133361.8	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

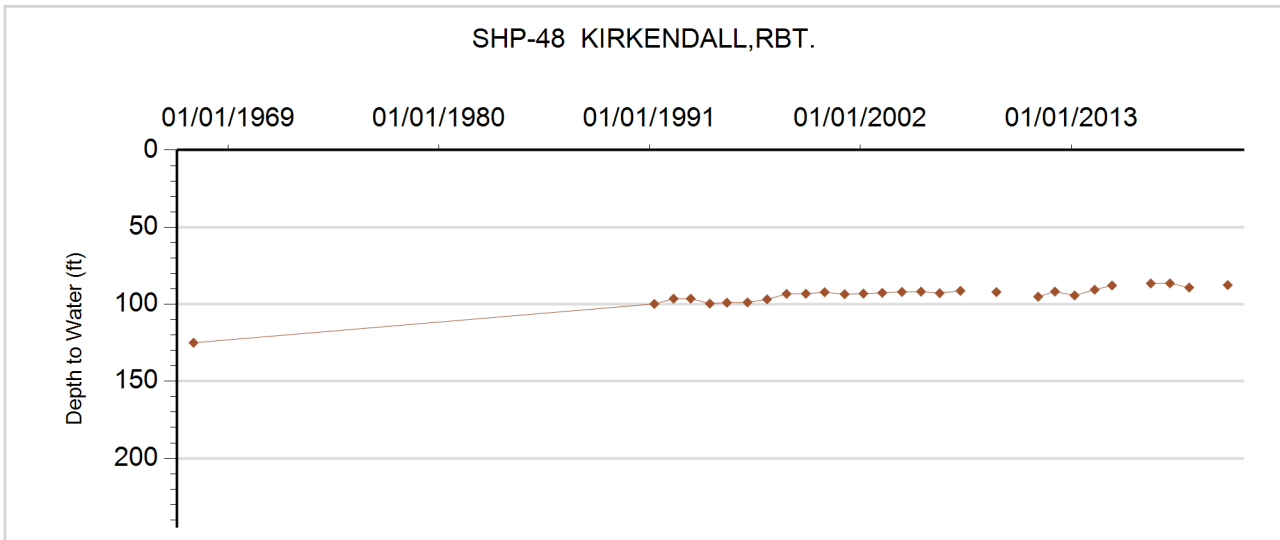
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	87.55	4650.45	
02/27/2020			
02/28/2019	89.18	4648.82	-2.73
02/26/2018	86.45	4651.55	0.05
02/27/2017	86.50	4651.50	
03/08/2016			
02/18/2015	87.83	4650.17	2.75
03/25/2014	90.58	4647.42	3.72
03/08/2013	94.30	4643.70	-2.50
02/26/2012	91.80	4646.20	3.30

Construction Information

Surface Elevation (ft): 4738.00
 Well Depth (ft): 245.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA

Well Measurement Summary

Start Date: 03/16/1967 End Date: 03/04/2021
 Number of Measurements: 32





GROUNDWATER DETAILS

Well Name: SHP-49 US FOREST SERVICE
Permit Number: 115543-
WDID:
Data Source: DWR

Location Number: SC03105007ACC
USGS Site ID:
Applicant/Contact: US FOREST SERVICE

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
		SW	SW	NE	7	31.0 S	50.0 W	S	670348.8	4136465.0	GPS

Division: 2 District: 67
 County: BACA
 Designated Basin:
 Management District:

Ten Most Recent Readings

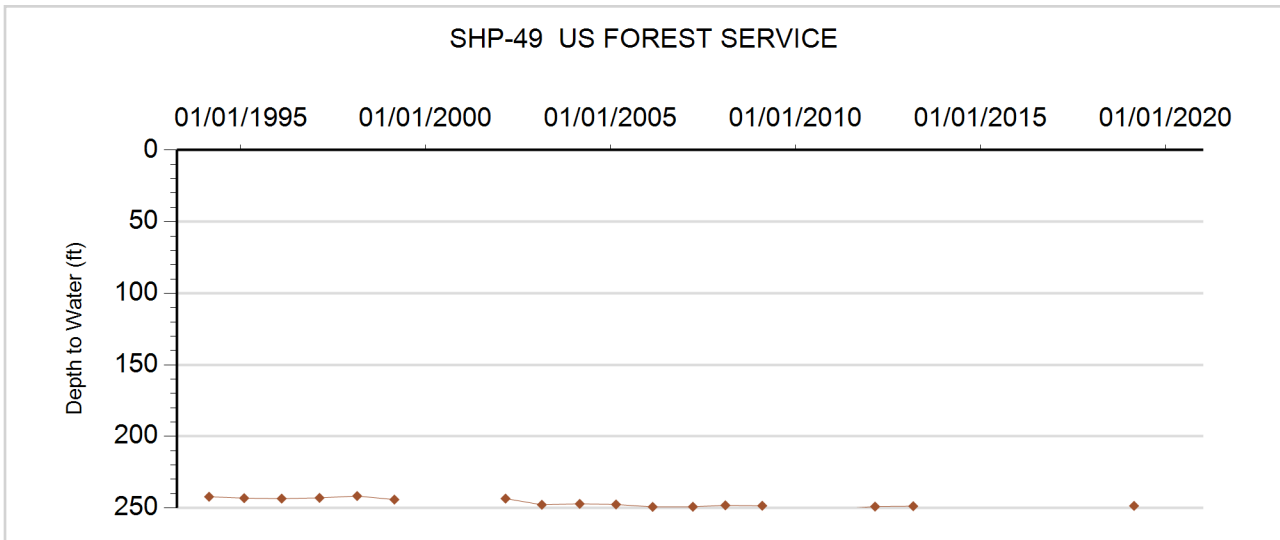
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/24/2020			
02/25/2019	248.59	4944.41	
02/26/2018			
02/27/2017			
03/07/2016			
02/17/2015			
03/25/2014			
03/08/2013	248.80	4944.20	0.30
02/25/2012	249.10	4943.90	1.40
04/13/2011	250.50	4942.50	

Construction Information

Surface Elevation (ft): 5193.00
 Well Depth (ft): 250.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA, CHEYENNE

Well Measurement Summary

Start Date: 02/23/1994 End Date: 02/24/2020
 Number of Measurements: 27





GROUNDWATER DETAILS

Well Name: SHP-50 HUME,J.
Permit Number: 16087-F
WDID:
Data Source: DWR

Location Number: SC03204105BCC
USGS Site ID:
Applicant/Contact: HUME,J.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
2648 S	36 W	SW	SW	NW	5	32.0 S	41.0 W	S	759168.0	4130742.0	Digitized

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

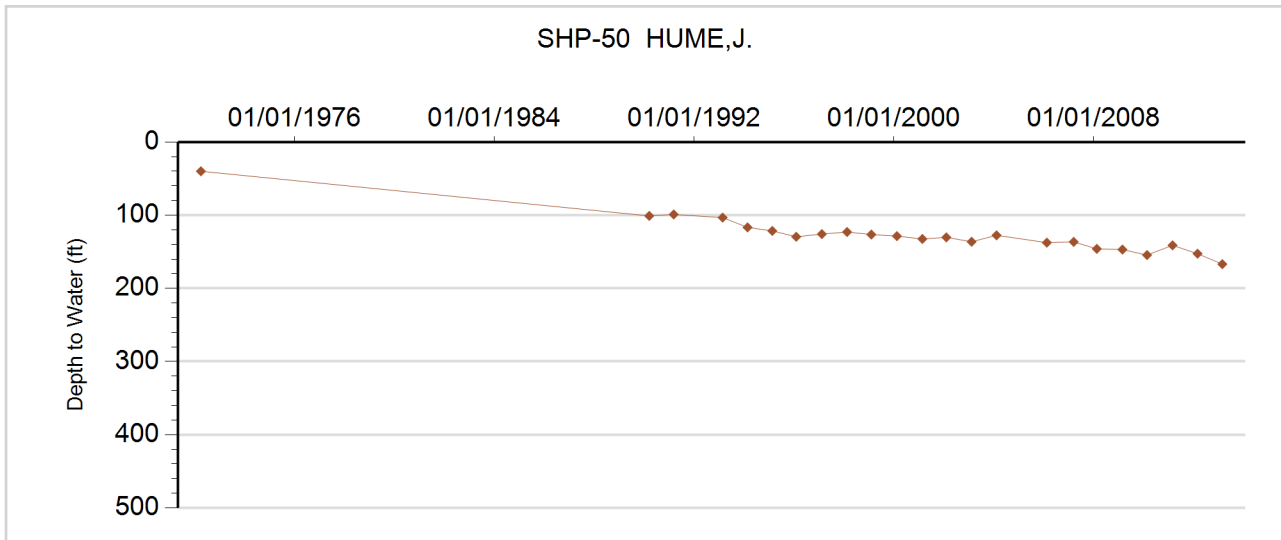
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/03/2013	166.90	3526.91	-14.30
03/06/2012	152.60	3541.21	-11.40
03/06/2011	141.20	3552.61	13.30
02/26/2010	154.50	3539.31	-7.50
03/03/2009	147.00	3546.81	-1.00
02/22/2008	146.00	3547.81	-9.50
03/21/2007	136.50	3557.31	1.00
02/21/2006	137.50	3556.31	-10.00
02/16/2004	127.50	3566.31	8.80
02/17/2003	136.30	3557.51	-6.00

Construction Information

Surface Elevation (ft): 3693.81
 Well Depth (ft): 500.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA, DOCKUM

Well Measurement Summary

Start Date: 04/04/1972 End Date: 03/03/2013
 Number of Measurements: 23





GROUNDWATER DETAILS

Well Name: SHP-51 CECIL TRAHERN
Permit Number: 18035-FP
WDID:
Data Source: DWR

Location Number: SC03204204CD
USGS Site ID:
Applicant/Contact: CECIL TRAHERN

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
1258 S	3446 E		SE	SW	4	32.0 S	42.0 W	S	751649.0	4130102.0	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

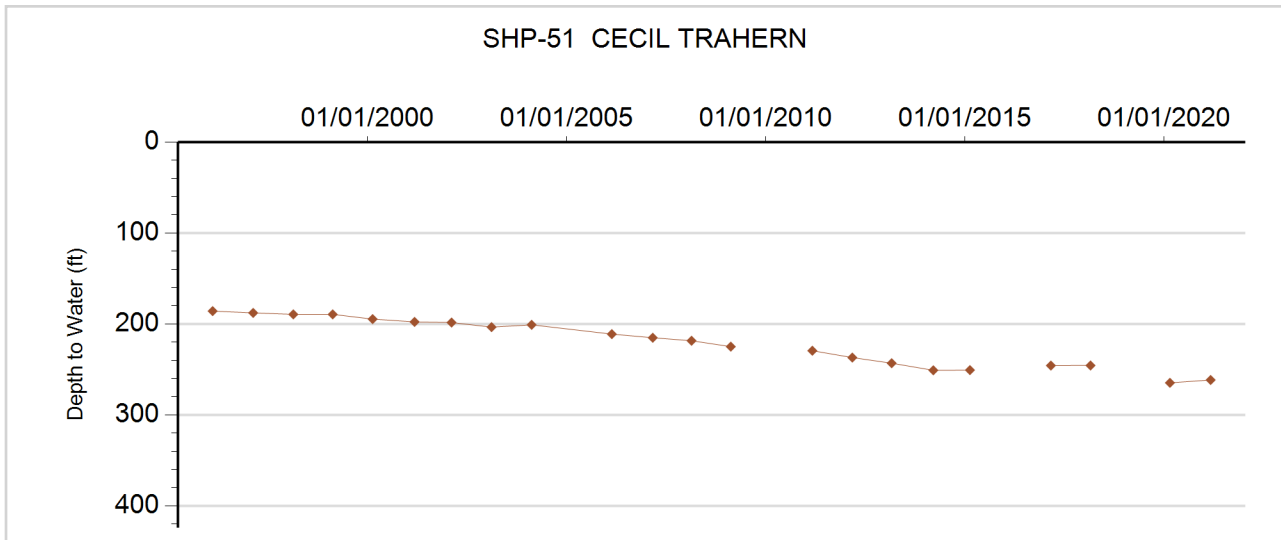
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	261.66	3838.34	3.10
02/26/2020	264.76	3835.24	
02/27/2019			
02/28/2018	245.70	3854.30	0.13
03/01/2017	245.83	3854.17	
03/08/2016			
02/18/2015	250.79	3849.21	0.22
03/19/2014	251.01	3848.99	-7.81
03/02/2013	243.20	3856.80	-6.20
03/06/2012	237.00	3863.00	-7.50

Construction Information

Surface Elevation (ft): 4100.00
 Well Depth (ft): 424.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 200
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 02/13/1996 End Date: 03/05/2021
 Number of Measurements: 25





GROUNDWATER DETAILS

Well Name: SHP-52 BILL WRIGHT
Permit Number: 17021-FP
WDID:
Data Source: DWR

Location Number: SC03204207CB
USGS Site ID:
Applicant/Contact: BILL WRIGHT

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
4006 N	1272 W		NW	SW	7	32.0 S	42.0 W	S	748283.0	4128417.4	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

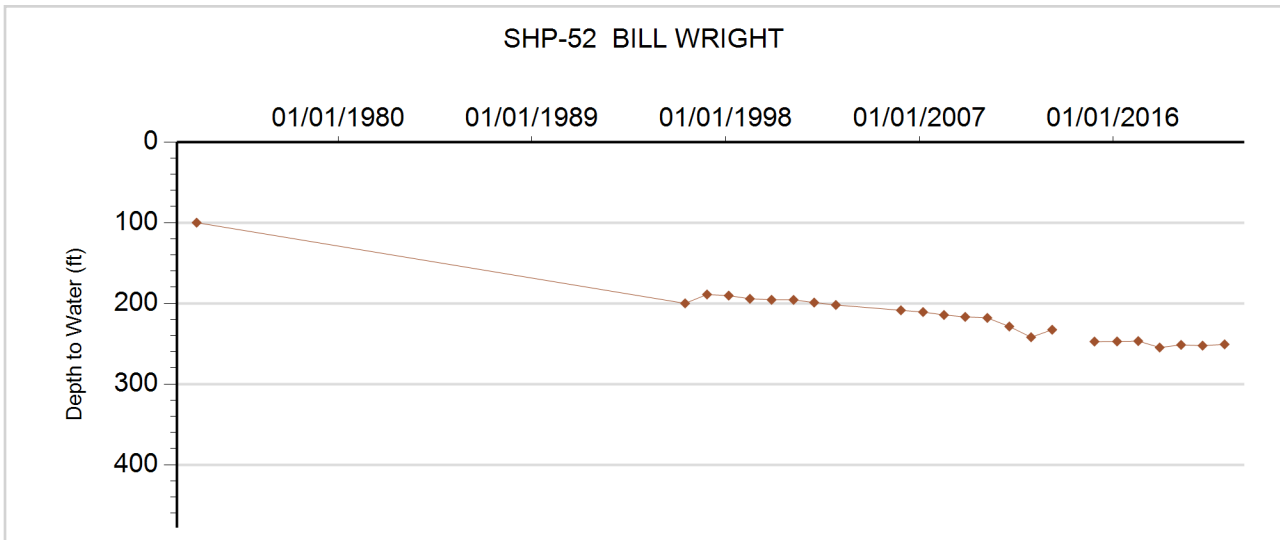
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	250.80	3580.72	1.61
02/26/2020	252.41	3579.11	-0.93
02/27/2019	251.48	3580.04	3.27
02/28/2018	254.75	3576.77	-8.01
03/01/2017	246.74	3584.78	0.48
03/08/2016	247.22	3584.30	0.10
02/18/2015	247.32	3584.20	
03/19/2014			
03/02/2013	232.70	3598.82	9.30
03/10/2012	242.00	3589.52	-13.30

Construction Information

Surface Elevation (ft): 3831.52
 Well Depth (ft): 478.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA, DOCKUM

Well Measurement Summary

Start Date: 06/08/1973 End Date: 03/05/2021
 Number of Measurements: 25





GROUNDWATER DETAILS

Well Name: SHP-53 HUME, CHESNA
Permit Number: 13925-FP
WDID:
Data Source: DWR

Location Number: SC03204235DCB
USGS Site ID:
Applicant/Contact: HUME, CHESNA

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
1065 S	2643 W	NW	SW	SE	35	32.0 S	42.0 W	S	755374.0	4122098.0	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

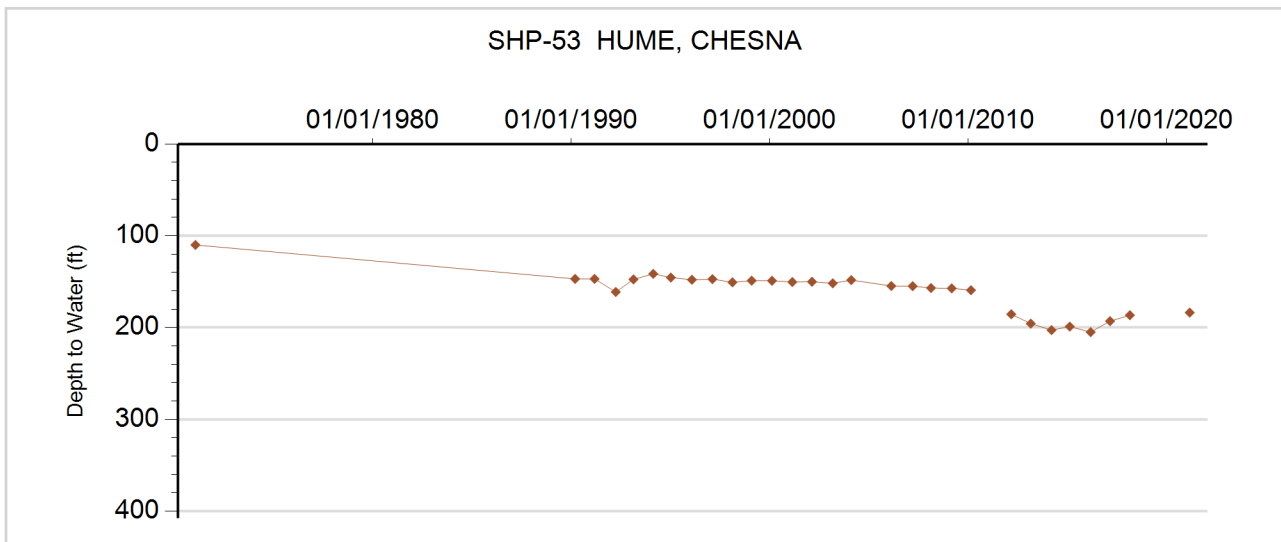
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	183.71	3577.02	
02/25/2020			
02/26/2019			
02/28/2018	186.55	3574.18	6.44
02/28/2017	192.99	3567.74	11.95
03/08/2016	204.94	3555.79	-6.00
02/18/2015	198.94	3561.79	3.82
03/19/2014	202.76	3557.97	-7.06
03/03/2013	195.70	3565.03	-10.20
03/09/2012	185.50	3575.23	

Construction Information

Surface Elevation (ft): 3760.73
 Well Depth (ft): 408.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 81
 Depth to Bottom of Perforated Casing (ft): 408
 Source Aquifer(s): OGALLALA, DAKOTA

Well Measurement Summary

Start Date: 02/04/1971 End Date: 03/05/2021
 Number of Measurements: 32





GROUNDWATER DETAILS

Well Name: SHP-54 WRIGHT, WM. F.& FERN
Permit Number: 15349-F
WDID:
Data Source: DWR

Location Number: SC03204301AC
USGS Site ID:
Applicant/Contact: WRIGHT, WM. F.& FERN

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3951 S	2672 W		SW	NE	1	32.0 S	43.0 W	S	747033.2	4130808.6	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

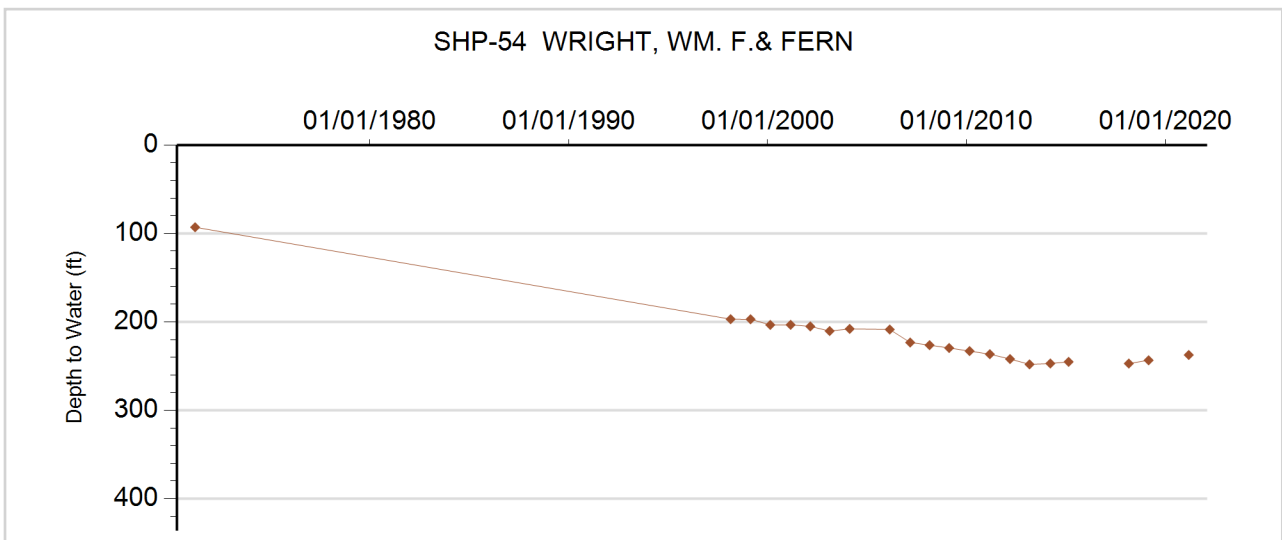
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	237.40	3600.60	
02/26/2020			
02/27/2019	243.38	3594.62	3.67
02/28/2018	247.05	3590.95	
03/01/2017			
03/08/2016			
02/18/2015	245.14	3592.86	1.89
03/19/2014	247.03	3590.97	0.97
03/02/2013	248.00	3590.00	-6.00
03/10/2012	242.00	3596.00	-5.50

Construction Information

Surface Elevation (ft): 3838.00
 Well Depth (ft): 436.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DOCKUM, ALL UNNAMED
 AQUIFERS

Well Measurement Summary

Start Date: 03/23/1971 End Date: 03/05/2021
 Number of Measurements: 24





GROUNDWATER DETAILS

Well Name: SHP-55 JIM BURHN
Permit Number: 20402-FP
WDID:
Data Source: DWR

Location Number: SC03204312CDC
USGS Site ID:
Applicant/Contact: JIM BURHN

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
59 S	3861 E	SW	SE	SW	12	32.0 S	43.0 W	S	746731.0	4127987.0	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

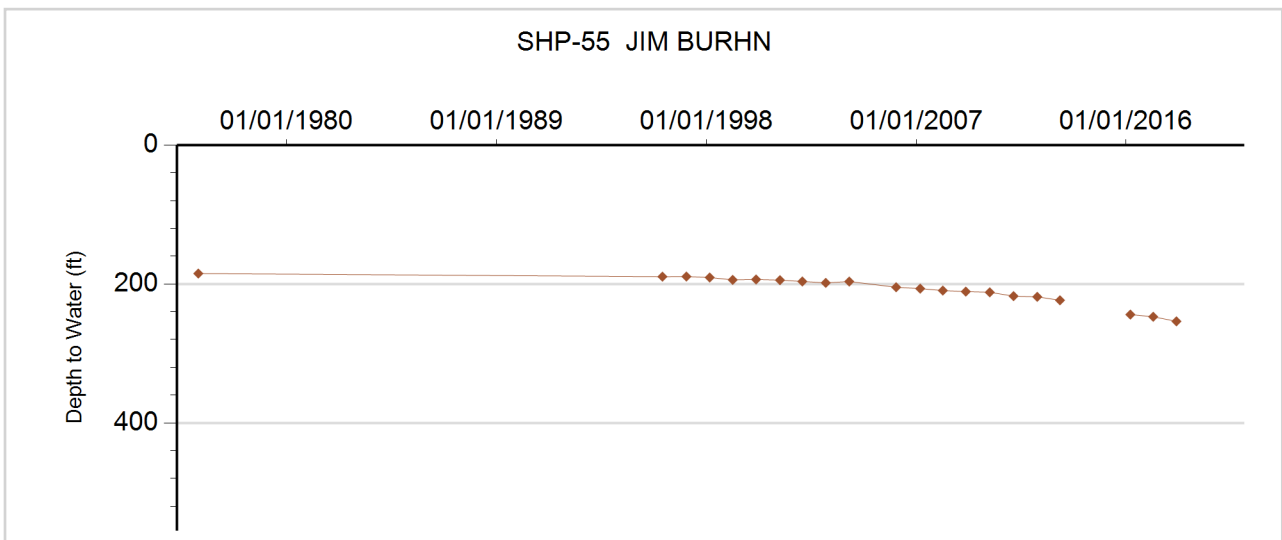
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/26/2020			
02/27/2019			
02/28/2018	253.77	3584.23	-6.56
03/01/2017	247.21	3590.79	-3.16
03/08/2016	244.05	3593.95	
02/18/2015			
03/19/2014			
03/02/2013	223.50	3614.50	-5.00
03/10/2012	218.50	3619.50	-1.00
03/06/2011	217.50	3620.50	-5.50

Construction Information

Surface Elevation (ft): 3838.00
 Well Depth (ft): 555.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DOCKUM, ALL UNNAMED AQUIFERS

Well Measurement Summary

Start Date: 03/19/1976 End Date: 02/26/2020
 Number of Measurements: 25





GROUNDWATER DETAILS

Well Name: SHP-56 COGBURN-HARDY FARMS
Permit Number: 14074-RFP
WDID:
Data Source: DWR

Location Number: SC03204407DCC
USGS Site ID:
Applicant/Contact: COGBURN-HARDY FARMS

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
120 S	3708 W	SW	SW	SE	7	32.0 S	44.0 W	S	729647.0	4127511.6	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

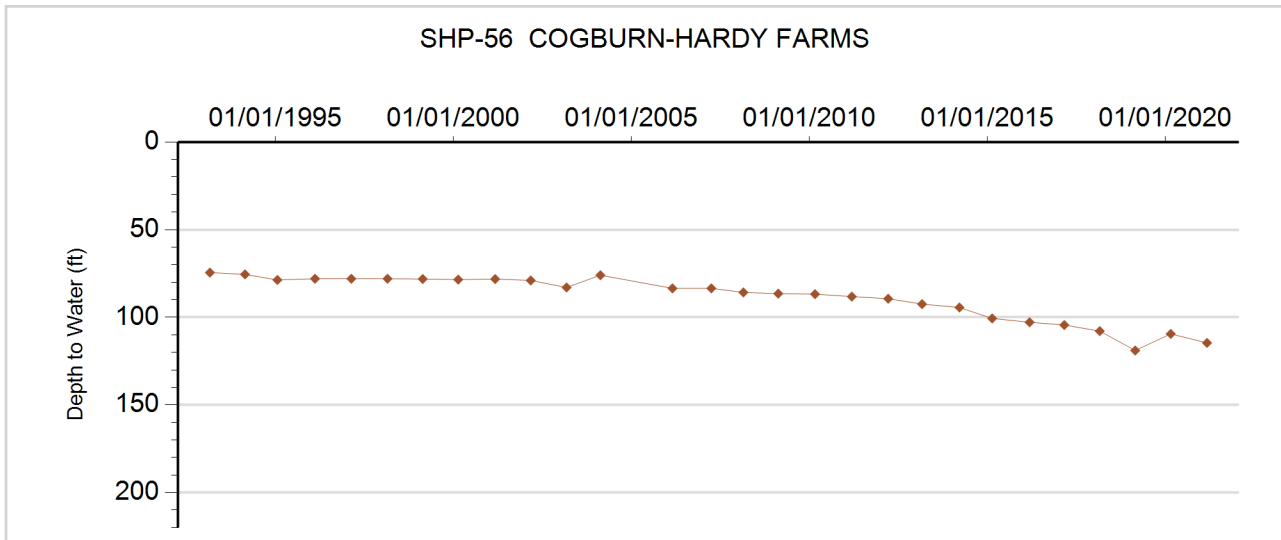
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	114.62	4014.08	-5.15
02/25/2020	109.47	4019.23	9.46
02/26/2019	118.93	4009.77	-11.05
02/27/2018	107.88	4020.82	-3.48
02/28/2017	104.40	4024.30	-1.56
03/09/2016	102.84	4025.86	-2.18
02/19/2015	100.66	4028.04	-6.25
03/20/2014	94.41	4034.29	-1.91
03/02/2013	92.50	4036.20	-3.10
03/19/2012	89.40	4039.30	-1.20

Construction Information

Surface Elevation (ft): 4128.70
 Well Depth (ft): 220.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA, CHEYENNE

Well Measurement Summary

Start Date: 02/28/1993 End Date: 03/04/2021
 Number of Measurements: 28





GROUNDWATER DETAILS

Well Name: SHP-57 TURNER
Permit Number: 10704-FP
WDID:
Data Source: DWR

Location Number: SC03204512CCC
USGS Site ID:
Applicant/Contact: TURNER

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
317 S	3309 W	SW	SW	SW	12	32.0 S	45.0 W	S	726918.0	4127430.0	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

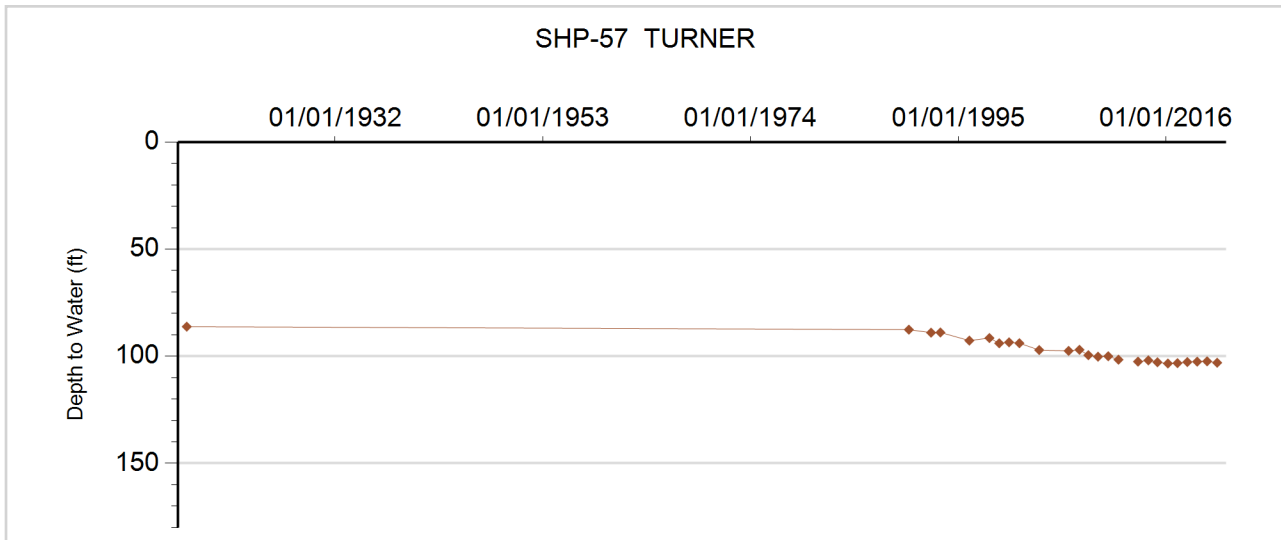
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	103.03	4076.32	-0.65
02/25/2020	102.38	4076.97	0.14
02/26/2019	102.52	4076.83	0.18
02/27/2018	102.70	4076.65	0.51
02/28/2017	103.21	4076.14	0.17
03/09/2016	103.38	4075.97	-0.58
02/19/2015	102.80	4076.55	-0.88
03/20/2014	101.92	4077.43	0.58
03/03/2013	102.50	4076.85	
03/19/2012			

Construction Information

Surface Elevation (ft): 4179.35
 Well Depth (ft): 180.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA

Well Measurement Summary

Start Date: 01/01/1917 End Date: 03/04/2021
 Number of Measurements: 26





GROUNDWATER DETAILS

Well Name: SHP-58 HUME, TIM
Permit Number: 17551-
WDID:
Data Source: DWR

Location Number: SC03204513BCB
USGS Site ID:
Applicant/Contact: HUME, TIM

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3593 S	3290 W	NW	SW	NW	13	32.0 S	45.0 W	S	726926.9	4126823.6	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

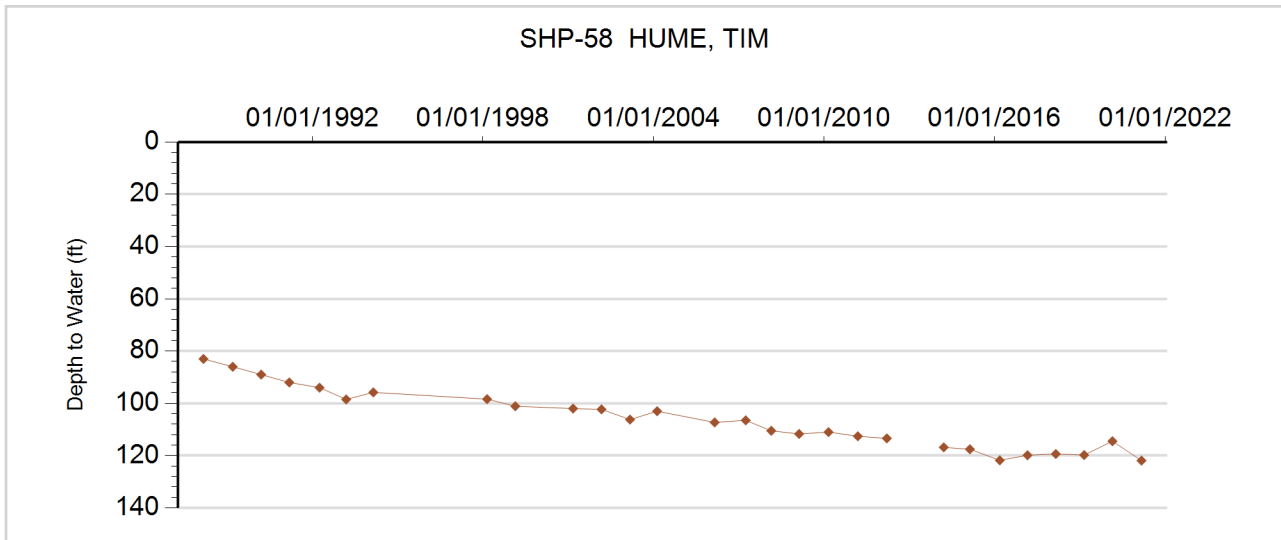
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	121.91	4062.92	-7.42
02/25/2020	114.49	4070.34	5.28
02/26/2019	119.77	4065.06	-0.39
02/27/2018	119.38	4065.45	0.47
02/28/2017	119.85	4064.98	1.95
03/09/2016	121.80	4063.03	-4.25
02/19/2015	117.55	4067.28	-0.72
03/20/2014	116.83	4068.00	
03/02/2013			
03/19/2012	113.40	4071.43	-0.80

Construction Information

Surface Elevation (ft): 4184.83
 Well Depth (ft): 140.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA

Well Measurement Summary

Start Date: 03/03/1988 End Date: 03/04/2021
 Number of Measurements: 29





GROUNDWATER DETAILS

Well Name: SHP-59 LMS

Permit Number: 5344-F

WDID:

Data Source: DWR

Location Number: SC03204519CC

USGS Site ID:

Applicant/Contact: LMS

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
186 S	1176 W		SW	SW	19	32.0 S	45.0 W	S	718321.8	4123923.6	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

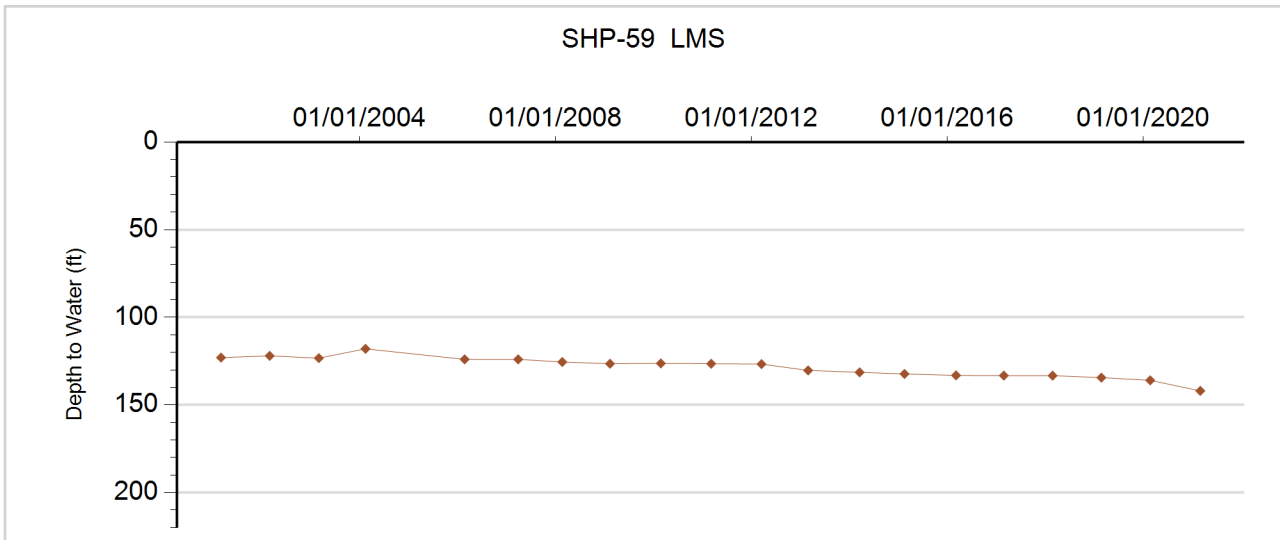
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	141.98	4201.34	-6.00
02/25/2020	135.98	4207.34	-1.56
02/26/2019	134.42	4208.90	-1.13
02/27/2018	133.29	4210.03	-0.02
02/28/2017	133.27	4210.05	-0.13
03/09/2016	133.14	4210.18	-0.83
02/19/2015	132.31	4211.01	-0.91
03/21/2014	131.40	4211.92	-1.10
03/02/2013	130.30	4213.02	-3.60
03/19/2012	126.70	4216.62	-0.20

Construction Information

Surface Elevation (ft): 4343.32
 Well Depth (ft): 220.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA, PURGATOIRE

Well Measurement Summary

Start Date: 03/07/2001 End Date: 03/04/2021
 Number of Measurements: 20





GROUNDWATER DETAILS

Well Name: SHP-60 CRANE, W.

Permit Number: 12825-FP

WDID:

Data Source: DWR

Location Number: SC03204609AAD

USGS Site ID:

Applicant/Contact: CRANE, W.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
1273 N	14 E	SE	NE	NE	9	32.0 S	46.0 W	S	713025.0	4128182.0	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

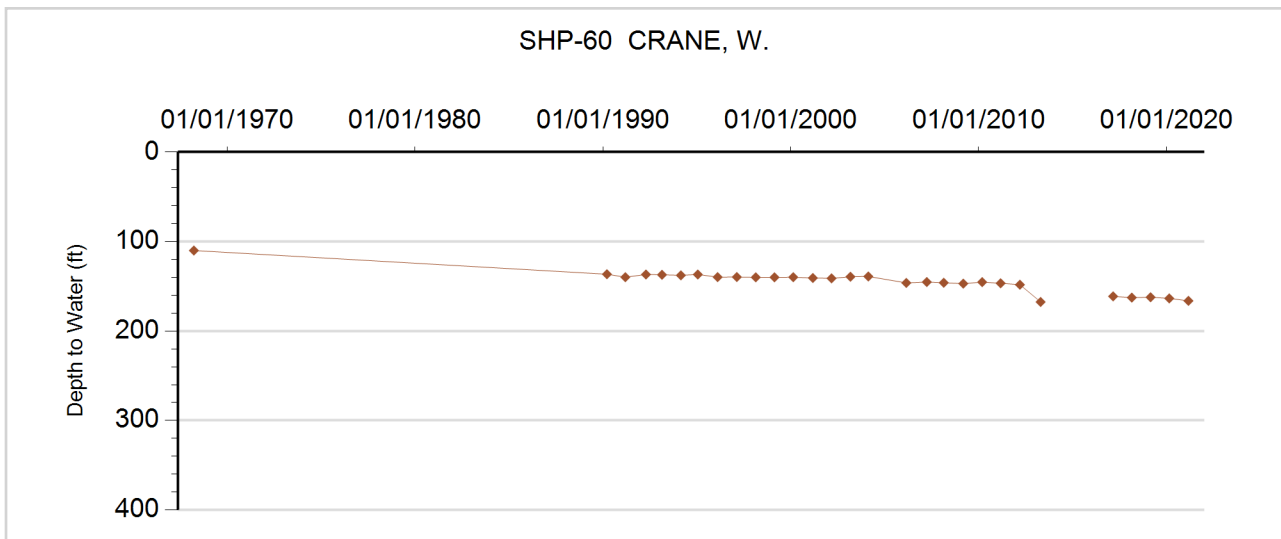
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	166.25	4237.75	-2.73
02/25/2020	163.52	4240.48	-1.32
02/26/2019	162.20	4241.80	0.41
02/27/2018	162.61	4241.39	-1.38
02/28/2017	161.23	4242.77	
03/09/2016			
02/19/2015			
03/20/2014			
04/21/2013	167.50	4236.50	-19.30
03/15/2012	148.20	4255.80	-1.60

Construction Information

Surface Elevation (ft): 4404.00
 Well Depth (ft): 400.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA, CHEYENNE

Well Measurement Summary

Start Date: 03/27/1968 End Date: 03/04/2021
 Number of Measurements: 32





GROUNDWATER DETAILS

Well Name: SHP-61 SC03204732CD
Permit Number:
WDID:
Data Source: DWR

Location Number: SC03204732AC
USGS Site ID:
Applicant/Contact:

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3764 S	2832 W		SW	NE	32	32.0 S	47.0 W	S	701199.0	4121354.3	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

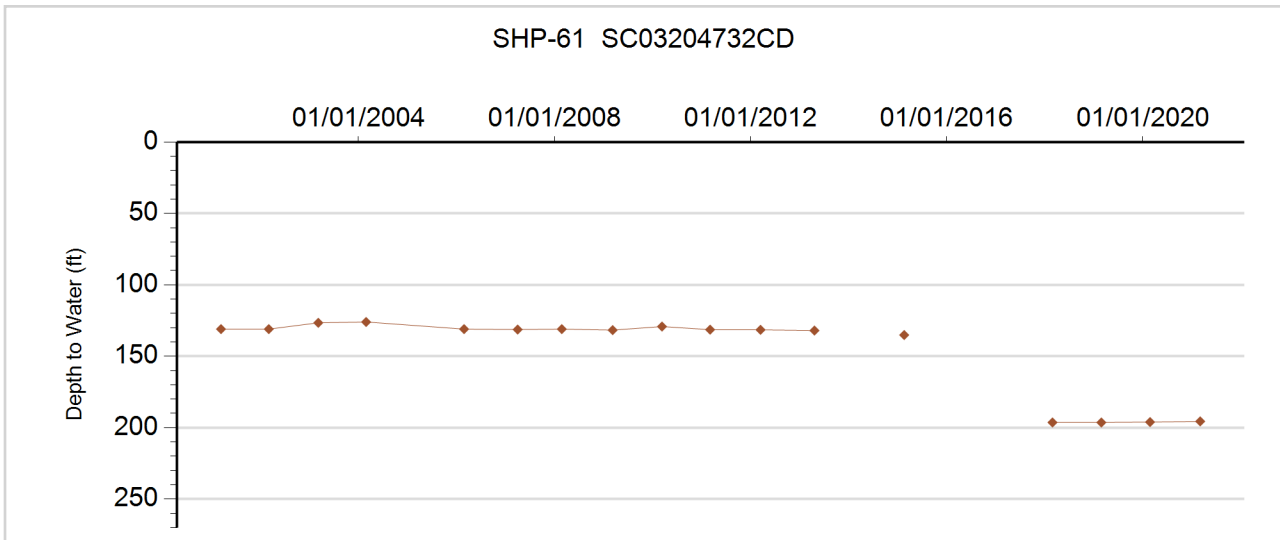
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	195.59	4379.41	0.47
02/24/2020	196.06	4378.94	0.33
02/26/2019	196.39	4378.61	-0.04
02/27/2018	196.35	4378.65	
02/27/2017			
03/08/2016			
02/18/2015	135.14	4439.86	
03/26/2014			
04/21/2013	132.00	4443.00	-0.50
03/15/2012	131.50	4443.50	-0.10

Construction Information

Surface Elevation (ft): 4575.00
 Well Depth (ft): 270.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA

Well Measurement Summary

Start Date: 03/13/2001 End Date: 03/04/2021
 Number of Measurements: 20





GROUNDWATER DETAILS

Well Name: SHP-62 ARDEN COGBURN
Permit Number: 13292-FP
WDID:
Data Source: DWR

Location Number: SC03304212CBB
USGS Site ID:
Applicant/Contact: ARDEN COGBURN

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3119 N	30 W	NW	NW	SW	12	33.0 S	42.0 W	S	756273.4	4119209.6	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

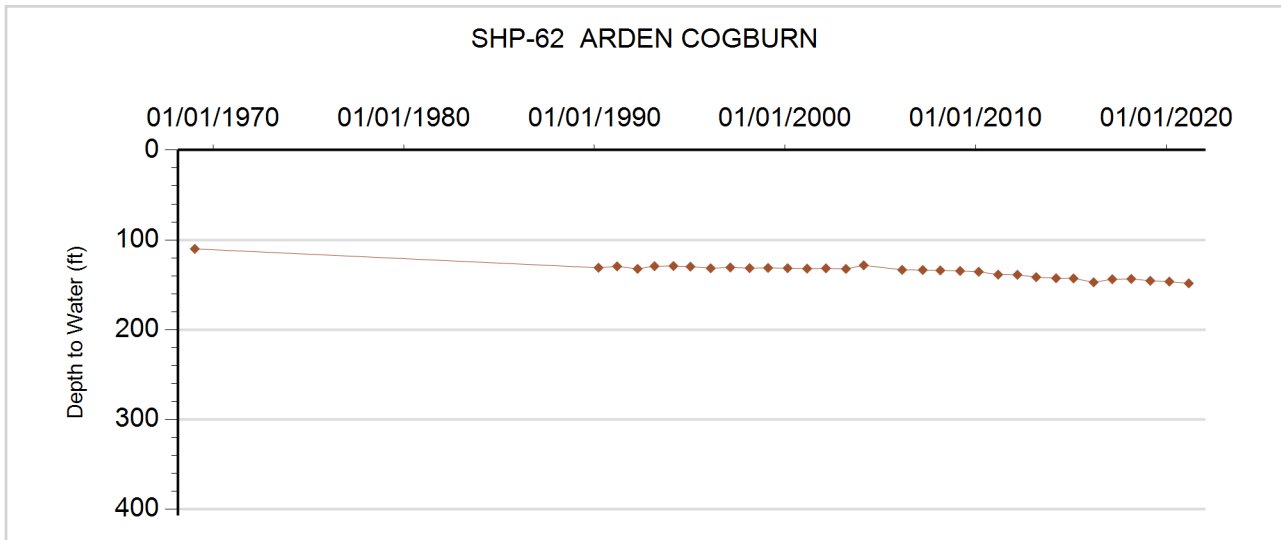
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	148.40	3606.60	-1.95
02/25/2020	146.45	3608.55	-0.90
02/26/2019	145.55	3609.45	-2.10
02/27/2018	143.45	3611.55	0.37
02/28/2017	143.82	3611.18	3.40
03/08/2016	147.22	3607.78	-4.28
02/18/2015	142.94	3612.06	-0.25
03/19/2014	142.69	3612.31	-1.19
03/03/2013	141.50	3613.50	-2.60
03/09/2012	138.90	3616.10	-0.20

Construction Information

Surface Elevation (ft): 3755.00
 Well Depth (ft): 407.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA, DOCKUM

Well Measurement Summary

Start Date: 01/18/1969 End Date: 03/05/2021
 Number of Measurements: 32





GROUNDWATER DETAILS

Well Name: SHP-63 MIDWAY TRUST
Permit Number: 21235-FP
WDID:
Data Source: DWR

Location Number: SC03304313DC
USGS Site ID:
Applicant/Contact: MIDWAY TRUST

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
516 S	2669 W		SW	SE	13	33.0 S	43.0 W	S	747450.3	4116841.5	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

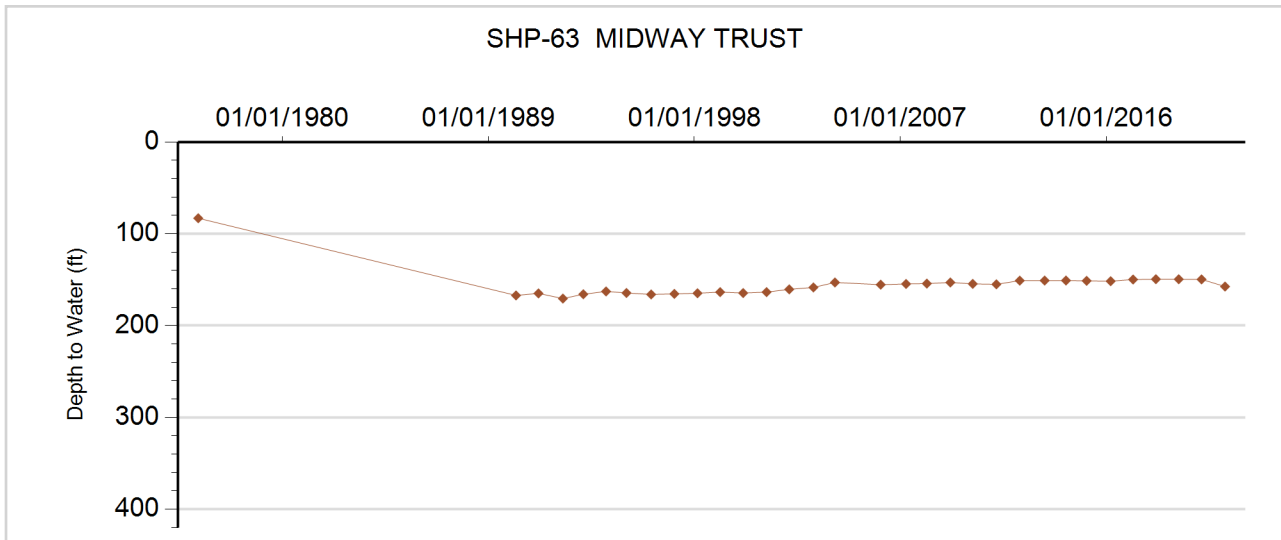
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	157.45	3722.55	-7.82
02/25/2020	149.63	3730.37	-0.17
02/26/2019	149.46	3730.54	-0.07
02/27/2018	149.39	3730.61	0.38
02/28/2017	149.77	3730.23	1.84
03/08/2016	151.61	3728.39	-0.43
02/18/2015	151.18	3728.82	-0.32
03/26/2014	150.86	3729.14	0.04
04/20/2013	150.90	3729.10	0.10
03/19/2012	151.00	3729.00	4.00

Construction Information

Surface Elevation (ft): 3880.00
 Well Depth (ft): 420.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 05/04/1976 End Date: 03/05/2021
 Number of Measurements: 32





GROUNDWATER DETAILS

Well Name: SHP-64 STAFFORD BROS.
Permit Number: 11026-FP
WDID:
Data Source: DWR

Location Number: SC03304319DA
USGS Site ID:
Applicant/Contact: STAFFORD BROS.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
2762 N	27 E		NE	SE	19	33.0 S	43.0 W	S	740212.2	4115647.5	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

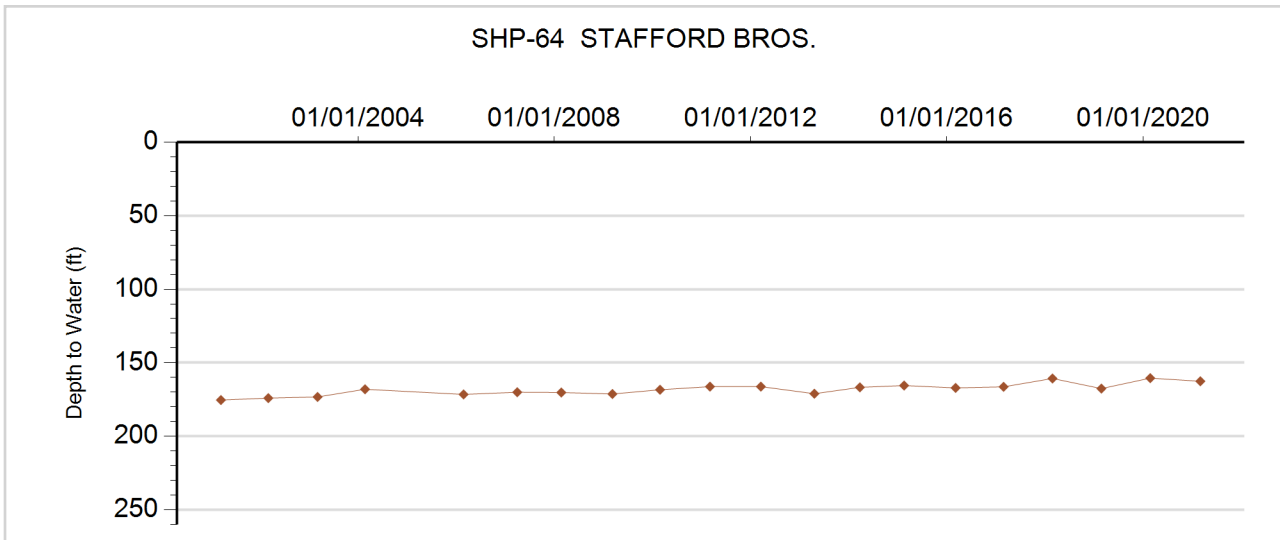
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	162.56	3822.44	-2.12
02/25/2020	160.44	3824.56	7.09
02/26/2019	167.53	3817.47	-6.86
02/27/2018	160.67	3824.33	5.65
02/28/2017	166.32	3818.68	0.74
03/08/2016	167.06	3817.94	-1.61
02/18/2015	165.45	3819.55	1.22
03/26/2014	166.67	3818.33	4.33
04/21/2013	171.00	3814.00	-4.80
03/19/2012	166.20	3818.80	0.00

Construction Information

Surface Elevation (ft): 3985.00
 Well Depth (ft): 260.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA

Well Measurement Summary

Start Date: 03/16/2001 End Date: 03/04/2021
 Number of Measurements: 20





GROUNDWATER DETAILS

Well Name: SHP-65 U.S.FOREST SERVICE
Permit Number: 128624-
WDID:
Data Source: DWR

Location Number: SC03304417CBA
USGS Site ID:
Applicant/Contact: U.S.FOREST SERVICE

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
2691 N	1045 W	NE	NW	SW	17	33.0 S	44.0 W	S	729723.0	4116908.5	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

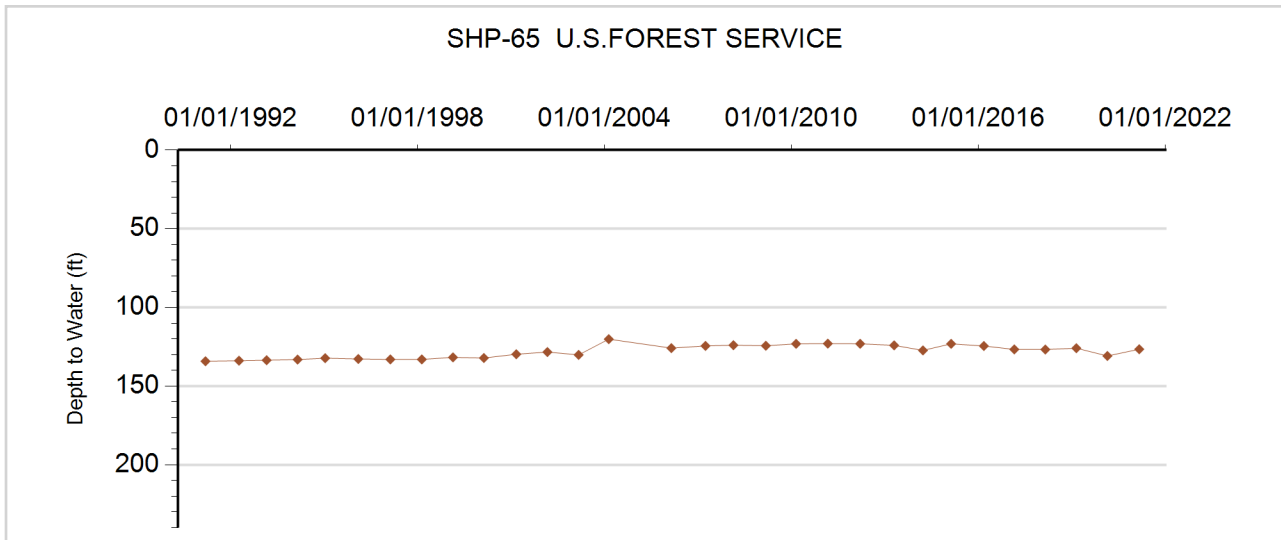
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	126.58	4003.42	4.28
02/25/2020	130.86	3999.14	-4.96
02/26/2019	125.90	4004.10	0.85
02/27/2018	126.75	4003.25	-0.08
02/28/2017	126.67	4003.33	-2.16
03/08/2016	124.51	4005.49	-1.36
02/18/2015	123.15	4006.85	4.15
03/25/2014	127.30	4002.70	-3.20
04/21/2013	124.10	4005.90	-1.00
03/19/2012	123.10	4006.90	-0.10

Construction Information

Surface Elevation (ft): 4130.00
 Well Depth (ft): 240.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA

Well Measurement Summary

Start Date: 03/13/1991 End Date: 03/04/2021
 Number of Measurements: 30





GROUNDWATER DETAILS

Well Name: SHP-66 SCHRODER
Permit Number: 77852-F
WDID:
Data Source: DWR

Location Number: SC03304515DD
USGS Site ID:
Applicant/Contact: SCHRODER

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
421 S	151 E		SE	SE	15	33.0 S	45.0 W	S	724549.9	4116106.5	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

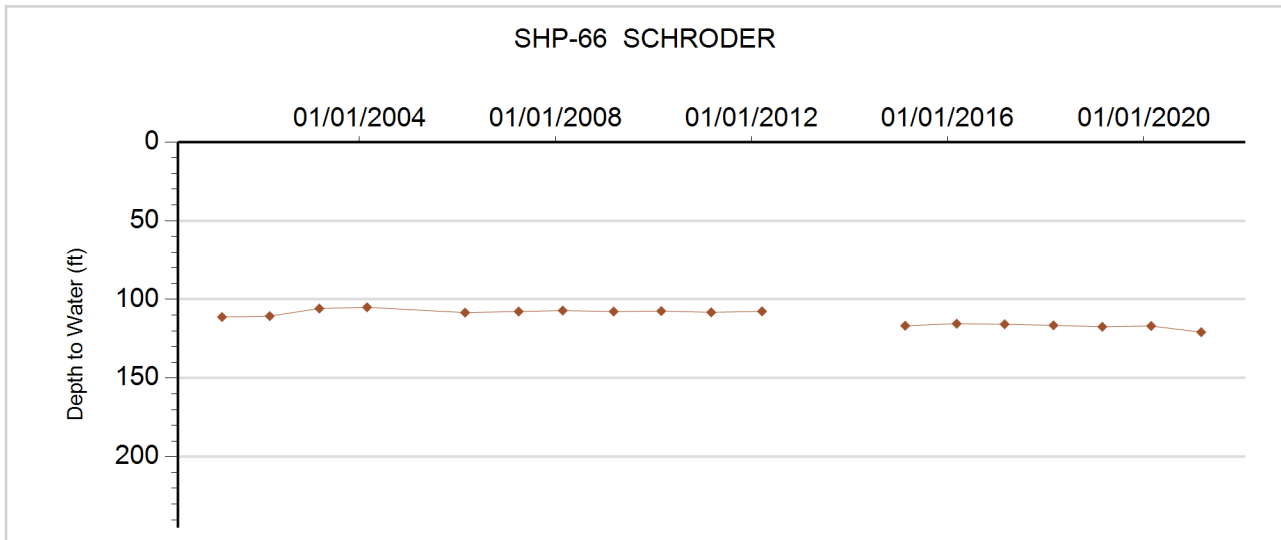
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	120.82	4079.18	-3.90
02/25/2020	116.92	4083.08	0.48
02/26/2019	117.40	4082.60	-0.93
02/27/2018	116.47	4083.53	-0.68
02/28/2017	115.79	4084.21	-0.36
03/08/2016	115.43	4084.57	1.31
02/18/2015	116.74	4083.26	
03/25/2014			
04/20/2013			
03/19/2012	107.60	4092.40	0.60

Construction Information

Surface Elevation (ft): 4200.00
 Well Depth (ft): 245.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 120
 Depth to Bottom of Perforated Casing (ft): 235
 Source Aquifer(s): DAKOTA

Well Measurement Summary

Start Date: 03/13/2001 End Date: 03/04/2021
 Number of Measurements: 20





GROUNDWATER DETAILS

Well Name: SHP-67 FARMERS HOME ADMTN.
Permit Number: 19813-FP
WDID:
Data Source: DWR

Location Number: SC03304626BBB
USGS Site ID:
Applicant/Contact: FARMERS HOME ADMTN.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
147 N	524 W	NW	NW	NW	26	33.0 S	46.0 W	S	715155.8	4114077.5	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

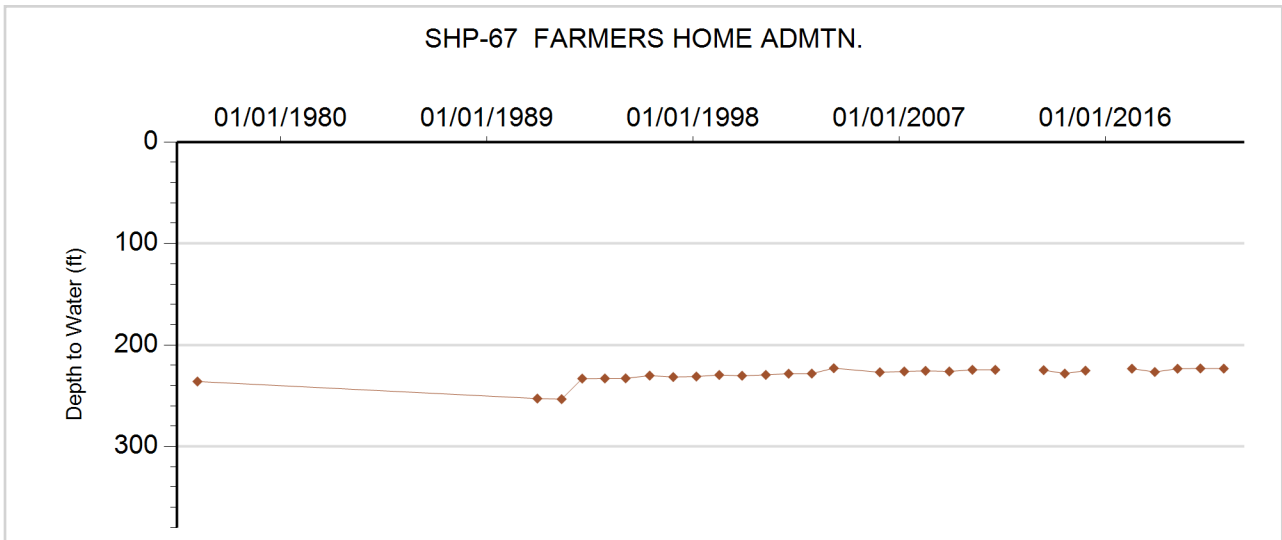
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	223.30	4116.70	-0.16
02/25/2020	223.14	4116.86	0.29
02/26/2019	223.43	4116.57	3.20
02/27/2018	226.63	4113.37	-3.25
02/28/2017	223.38	4116.62	
03/08/2016			
02/17/2015	225.29	4114.71	2.90
03/25/2014	228.19	4111.81	-3.39
04/21/2013	224.80	4115.20	
03/15/2012			

Construction Information

Surface Elevation (ft): 4340.00
 Well Depth (ft): 380.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): CHEYENNE

Well Measurement Summary

Start Date: 05/10/1976 End Date: 03/04/2021
 Number of Measurements: 31





GROUNDWATER DETAILS

Well Name: SHP-68 OMALLEY
Permit Number: 20427-F
WDID:
Data Source: DWR

Location Number: SC03304630AA
USGS Site ID:
Applicant/Contact: OMALLEY

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
518 N	4 E		NE	NE	25	33.0 S	47.0 W	S	708573.8	4113809.5	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

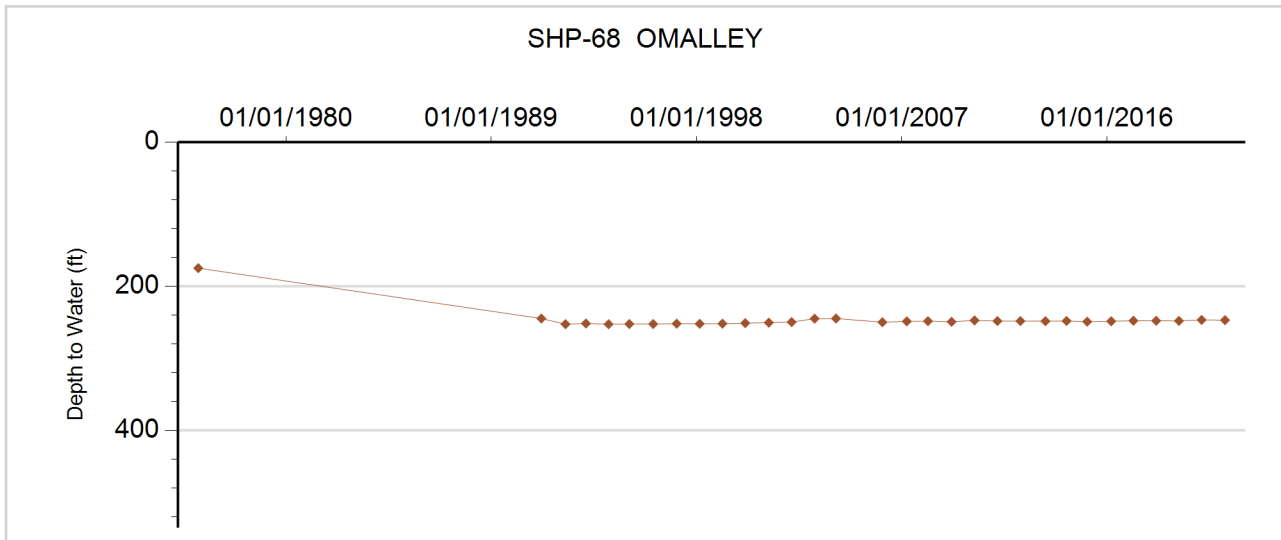
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	247.15	4187.85	-0.29
02/24/2020	246.86	4188.14	1.31
02/26/2019	248.17	4186.83	-0.18
02/26/2018	247.99	4187.01	-0.05
02/27/2017	247.94	4187.06	0.77
03/08/2016	248.71	4186.29	0.54
02/18/2015	249.25	4185.75	-0.96
03/25/2014	248.29	4186.71	0.31
04/20/2013	248.60	4186.40	-0.20
03/15/2012	248.40	4186.60	0.00

Construction Information

Surface Elevation (ft): 4435.00
 Well Depth (ft): 535.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA, CHEYENNE

Well Measurement Summary

Start Date: 02/27/1976 End Date: 03/04/2021
 Number of Measurements: 31





GROUNDWATER DETAILS

Well Name: SHP-69 RAY SIKES
Permit Number: 15029-F
WDID:
Data Source: DWR

Location Number: SC03305006CAD
USGS Site ID:
Applicant/Contact: RAY SIKES

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3539 N	2841 E	SE	NE	SW	6	33.0 S	50.0 W	S	670616.6	4118438.8	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

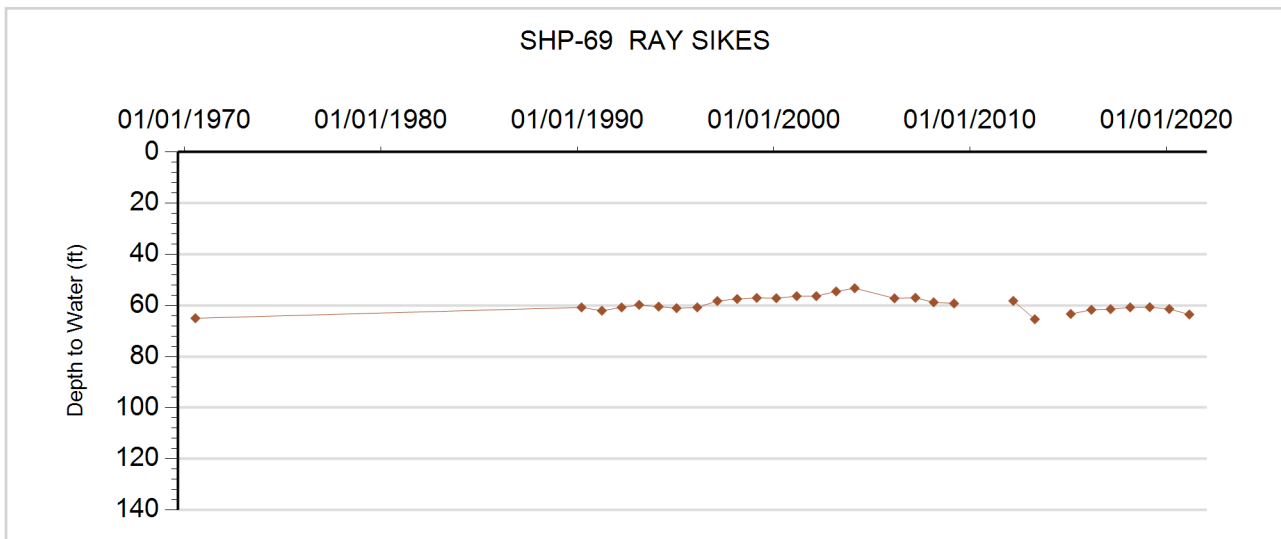
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/03/2021	63.53	4937.47	-2.15
02/24/2020	61.38	4939.62	-0.71
02/25/2019	60.67	4940.33	0.07
02/26/2018	60.74	4940.26	0.69
02/27/2017	61.43	4939.57	0.26
03/07/2016	61.69	4939.31	1.63
02/17/2015	63.32	4937.68	
03/25/2014			
04/20/2013	65.40	4935.60	-7.20
03/15/2012	58.20	4942.80	

Construction Information

Surface Elevation (ft): 5001.00
 Well Depth (ft): 140.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA, CHEYENNE

Well Measurement Summary

Start Date: 07/22/1970 End Date: 03/03/2021
 Number of Measurements: 31





GROUNDWATER DETAILS

Well Name: SHP-70 GARY & TIM WHITE
Permit Number: 23774-FP
WDID:
Data Source: DWR

Location Number: SC03404122BA
USGS Site ID:
Applicant/Contact: GARY & TIM WHITE

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
968 N	19 E		NE	NE	21	34.0 S	41.0 W	S	761865.0	4107104.0	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

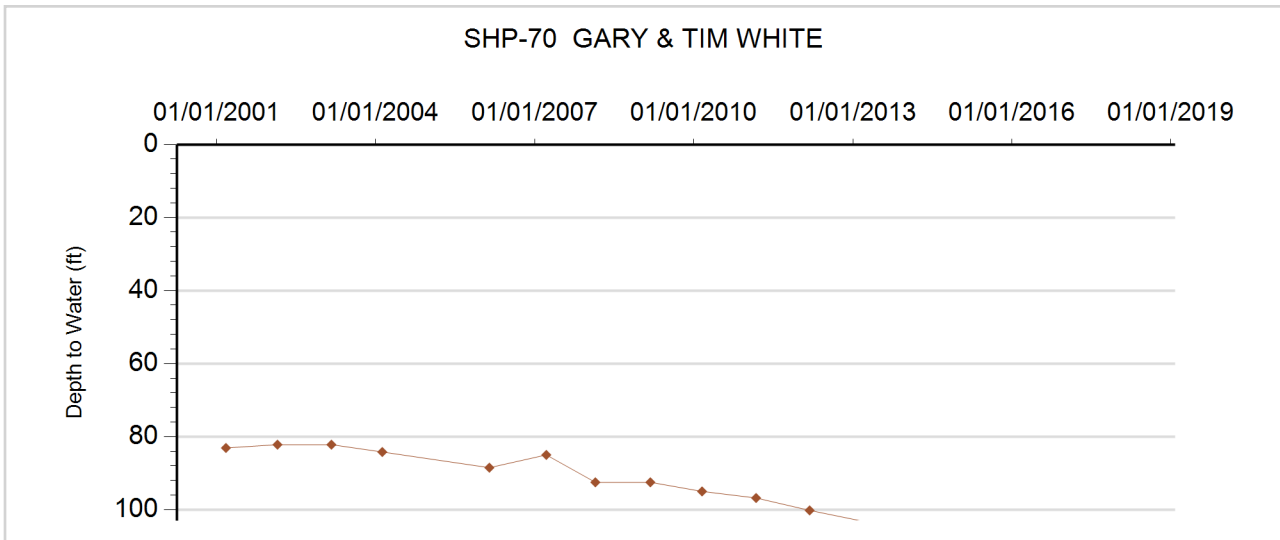
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/27/2018			
02/28/2017			
03/25/2014			
03/03/2013	103.10	3398.42	-2.90
03/09/2012	100.20	3401.32	-3.40
03/06/2011	96.80	3404.72	-1.80
02/27/2010	95.00	3406.52	-2.50
03/08/2009	92.50	3409.02	0.00
02/23/2008	92.50	3409.02	-7.50
03/22/2007	85.00	3416.52	3.50

Construction Information

Surface Elevation (ft): 3501.52
 Well Depth (ft): 103.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 3
 Depth to Bottom of Perforated Casing (ft): 103
 Source Aquifer(s): OGALLALA, DOCKUM

Well Measurement Summary

Start Date: 03/06/2001 End Date: 02/27/2018
 Number of Measurements: 15





GROUNDWATER DETAILS

Well Name: SHP-71 COLO.INTRST.GAS 1
Permit Number: 112906-
WDID:
Data Source: DWR

Location Number: SC03404205ADA1
USGS Site ID:
Applicant/Contact: COLO.INTRST.GAS

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
		NE	SE	NE	5	34.0 S	42.0 W	S	750268.9	4111272.5	Spotted from quarters

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

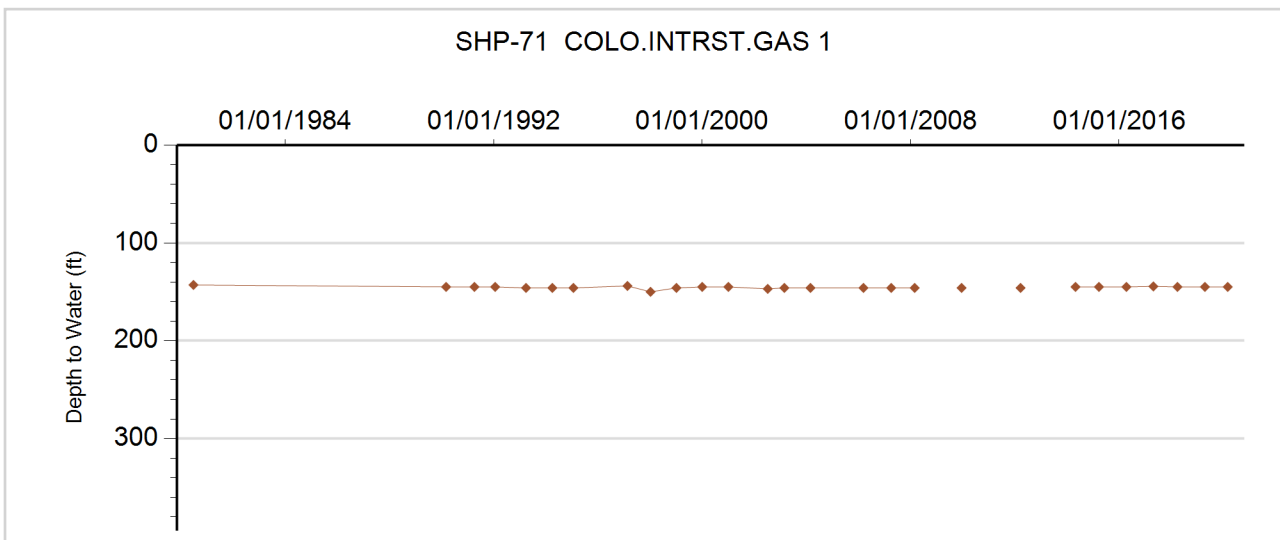
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/03/2020	145.00	3683.00	0.00
04/18/2019	145.00	3683.00	0.00
03/29/2018	145.00	3683.00	-0.50
04/26/2017	144.50	3683.50	0.50
04/12/2016	145.00	3683.00	0.00
03/25/2015	145.00	3683.00	0.00
04/30/2014	145.00	3683.00	
03/01/2013			
03/21/2012	146.00	3682.00	
03/03/2011			

Construction Information

Surface Elevation (ft): 3828.00
 Well Depth (ft): 394.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 06/26/1980 End Date: 03/03/2020
 Number of Measurements: 30





GROUNDWATER DETAILS

Well Name: SHP-72 COLO INTERST GAS 2
Permit Number: 112907-
WDID:
Data Source: DWR

Location Number: SC03404205ADA2
USGS Site ID:
Applicant/Contact: COLO INTERST GAS

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
		NE	SE	NE	5	34.0 S	42.0 W	S	750268.9	4111272.5	Spotted from quarters

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

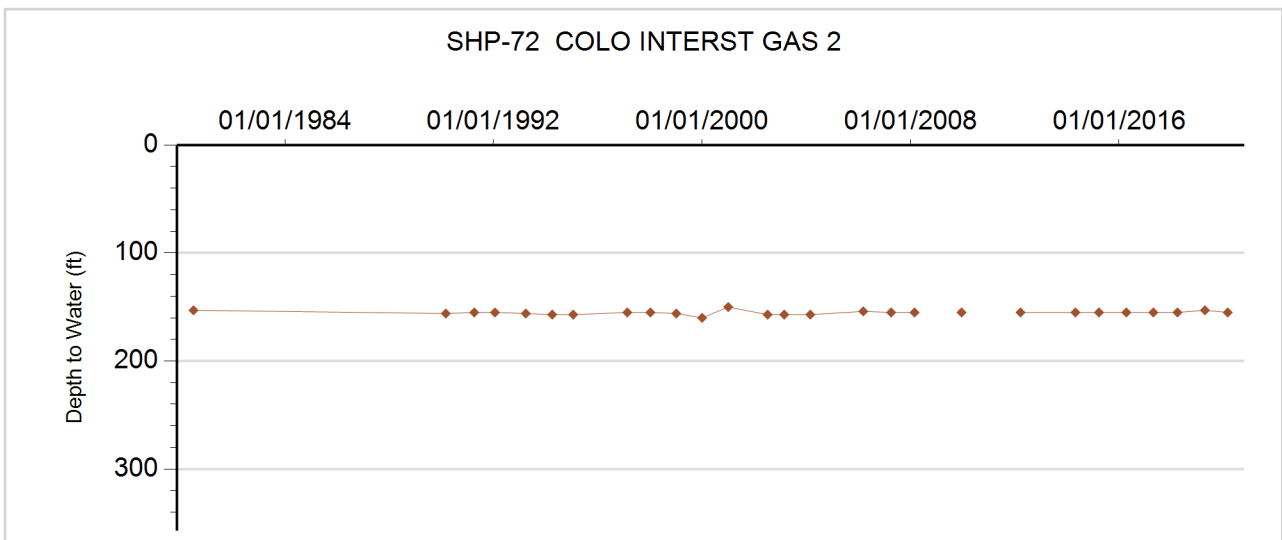
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/03/2020	155.00	3671.00	-2.00
04/18/2019	153.00	3673.00	2.00
03/29/2018	155.00	3671.00	0.00
04/26/2017	155.00	3671.00	0.00
04/12/2016	155.00	3671.00	0.00
03/25/2015	155.00	3671.00	0.00
04/30/2014	155.00	3671.00	0.00
03/21/2012	155.00	3671.00	
03/03/2011			
12/16/2009	155.00	3671.00	

Construction Information

Surface Elevation (ft): 3826.00
 Well Depth (ft): 357.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 06/30/1980 End Date: 03/03/2020
 Number of Measurements: 29





GROUNDWATER DETAILS

Well Name: SHP-73 WRAY, P.&A.
Permit Number: 123684-
WDID:
Data Source: DWR

Location Number: SC03404205DAD
USGS Site ID: 370640102105600
Applicant/Contact: WRAY, P.&A.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3596 N	809 E	SE	NE	SE	5	34.0 S	42.0 W	S	750235.0	4110823.2	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

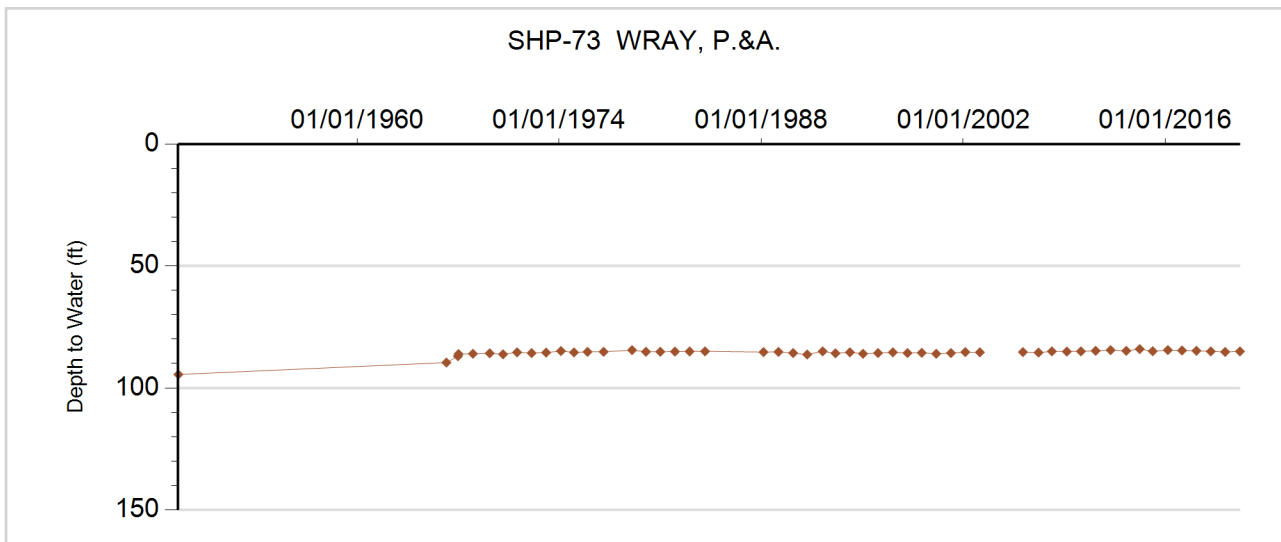
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	85.02	3674.57	0.21
02/25/2020	85.23	3674.36	-0.21
02/26/2019	85.02	3674.57	-0.25
02/27/2018	84.77	3674.82	-0.12
02/28/2017	84.65	3674.94	-0.16
03/07/2016	84.49	3675.10	0.45
02/17/2015	84.94	3674.65	-0.87
03/26/2014	84.07	3675.52	0.73
04/20/2013	84.80	3674.79	-0.30
03/19/2012	84.50	3675.09	0.30

Construction Information

Surface Elevation (ft): 3759.59
 Well Depth (ft): 150.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 08/20/1947 End Date: 03/04/2021
 Number of Measurements: 53





GROUNDWATER DETAILS

Well Name: SHP-74 DAN WITCHER
Permit Number: 15807-
WDID:
Data Source: DWR

Location Number: SC03404221AC
USGS Site ID:
Applicant/Contact: DAN WITCHER

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3875 S	3838 W		SW	NE	21	34.0 S	42.0 W	S	751782.4	4106654.4	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

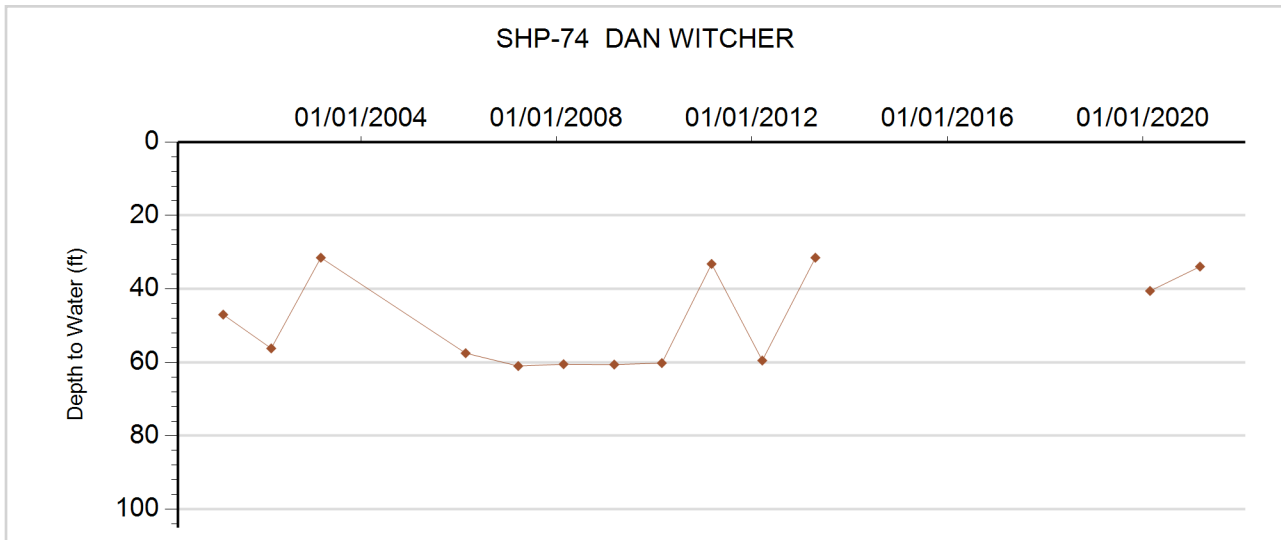
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021	33.92	3581.08	6.64
02/25/2020	40.56	3574.44	
03/07/2016			
03/25/2014			
04/20/2013	31.50	3583.50	28.00
03/19/2012	59.50	3555.50	-26.30
03/06/2011	33.20	3581.80	27.00
02/27/2010	60.20	3554.80	0.40
03/08/2009	60.60	3554.40	-0.10
02/23/2008	60.50	3554.50	0.50

Construction Information

Surface Elevation (ft): 3615.00
 Well Depth (ft): 105.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 03/06/2001 End Date: 03/05/2021
 Number of Measurements: 15





GROUNDWATER DETAILS

Well Name: SHP-75 ALLEY LAND & CAT.
Permit Number: 3232-FP
WDID:
Data Source: DWR

Location Number: SC03404309CD
USGS Site ID:
Applicant/Contact: ALLEY LAND & CAT.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
626 S	3146 E		SE	SW	9	34.0 S	43.0 W	S	741552.6	4108587.7	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

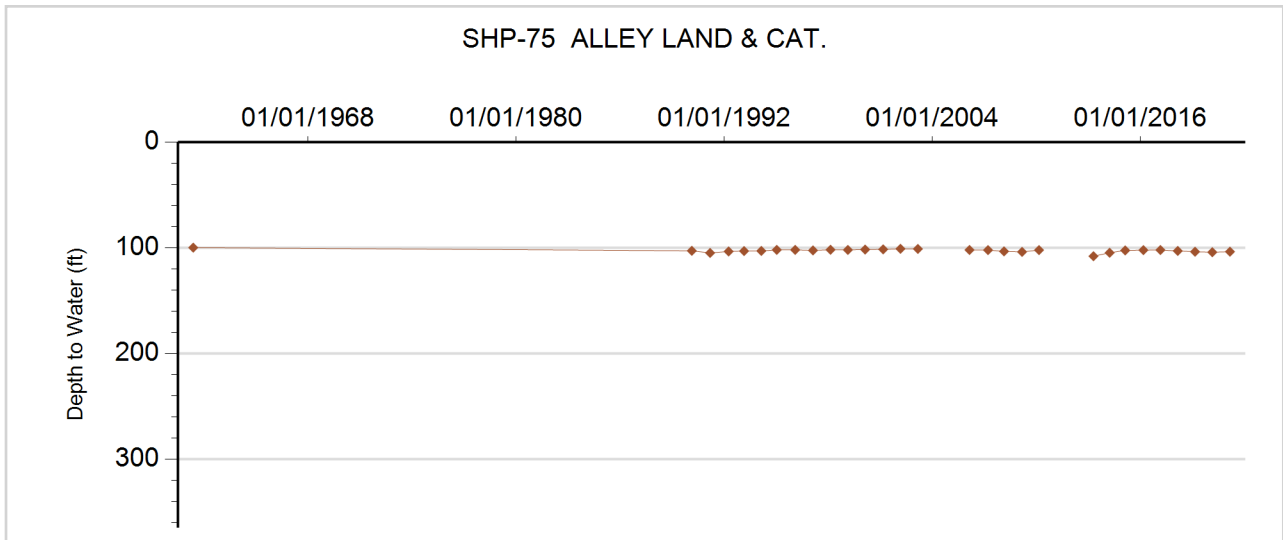
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	103.83	3861.17	0.49
02/25/2020	104.32	3860.68	-0.48
02/26/2019	103.84	3861.16	-0.76
02/27/2018	103.08	3861.92	-0.85
02/28/2017	102.23	3862.77	0.10
03/07/2016	102.33	3862.67	0.27
02/17/2015	102.60	3862.40	2.24
03/26/2014	104.84	3860.16	3.26
04/20/2013	108.10	3856.90	
03/19/2012			

Construction Information

Surface Elevation (ft): 3965.00
 Well Depth (ft): 365.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 05/25/1961 End Date: 03/04/2021
 Number of Measurements: 32





GROUNDWATER DETAILS

Well Name: SHP-76 ALLEY LAND & CATTLE
Permit Number: 29421-
WDID:
Data Source: DWR

Location Number: SC03404320DD
USGS Site ID:
Applicant/Contact: ALLEY LAND & CATTLE

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
0 S	13 E		SE	SE	19	34.0 S	43.0 W	S	739383.2	4105113.3	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

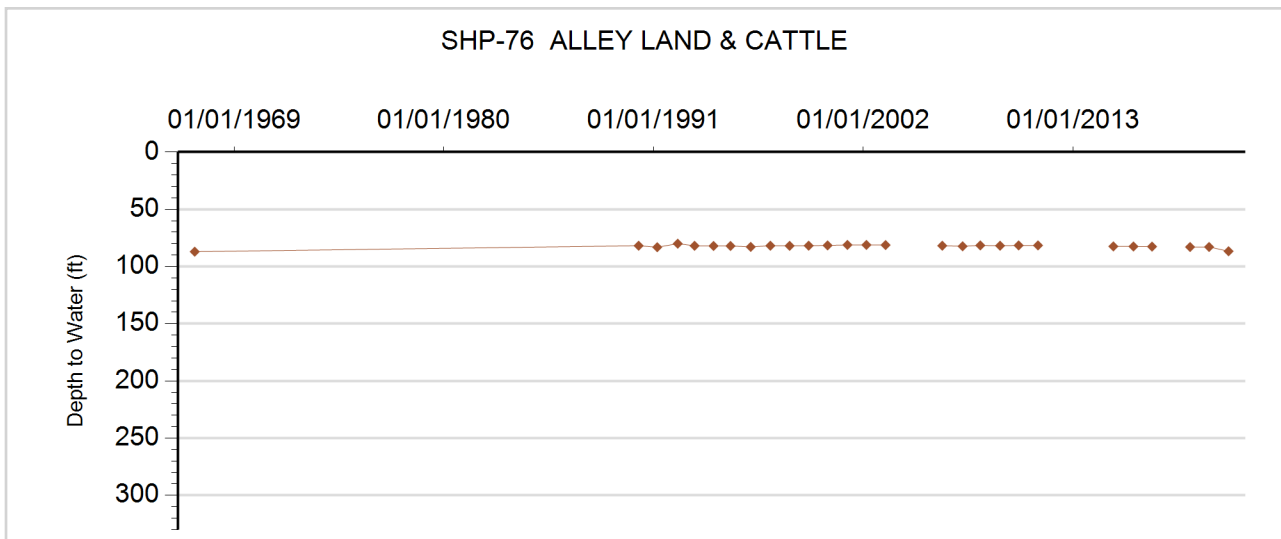
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	86.63	3776.37	-3.74
02/25/2020	82.89	3780.11	0.01
02/26/2019	82.90	3780.10	
02/27/2018			
02/28/2017	82.55	3780.45	-0.09
03/07/2016	82.46	3780.54	-0.06
02/17/2015	82.40	3780.60	
03/26/2014			
04/20/2013			
03/16/2012			

Construction Information

Surface Elevation (ft): 3863.00
 Well Depth (ft): 330.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 12/05/1966 End Date: 03/04/2021
 Number of Measurements: 32





GROUNDWATER DETAILS

Well Name: SHP-77 HUME, M.&L.
Permit Number:
WDID:
Data Source: DWR

Location Number: SC03404508BBB
USGS Site ID: 370617102311700
Applicant/Contact: HUME, M.&L.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
120 N	328 W	NW	NW	NW	8	34.0 S	45.0 W	S	720038.0	4109366.0	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

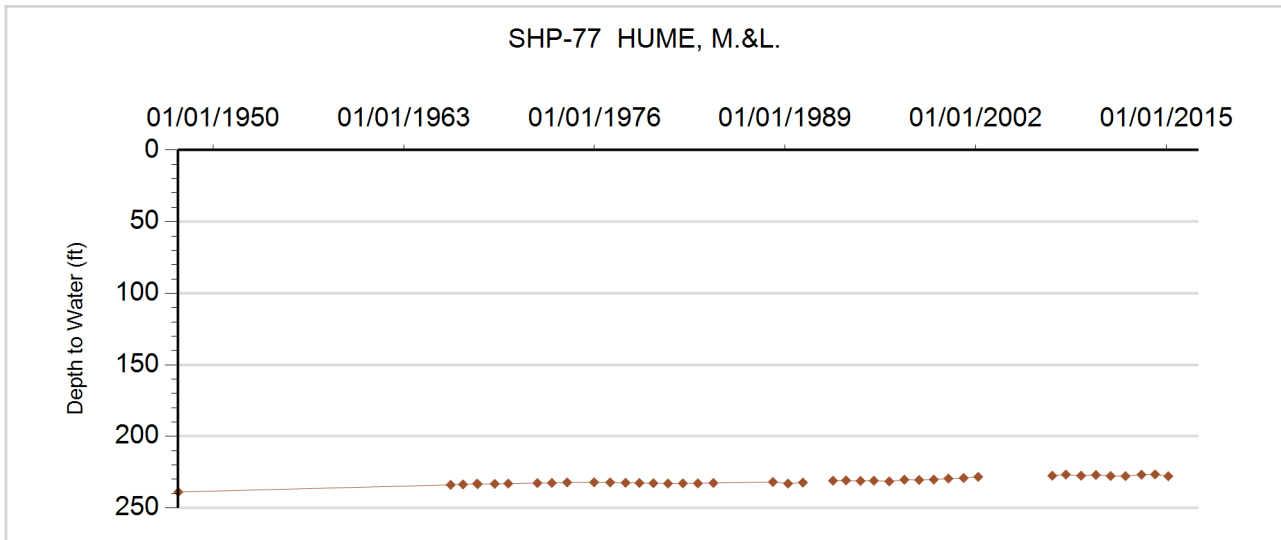
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2017			
03/07/2016			
02/17/2015	227.85	4047.11	-1.26
03/25/2014	226.59	4048.37	0.21
04/21/2013	226.80	4048.16	1.00
03/19/2012	227.80	4047.16	-0.10
03/13/2011	227.70	4047.26	-0.70
03/12/2010	227.00	4047.96	0.50
03/09/2009	227.50	4047.46	-0.80
02/24/2008	226.70	4048.26	0.80

Construction Information

Surface Elevation (ft): 4274.96
 Well Depth (ft): 250.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA

Well Measurement Summary

Start Date: 08/20/1947 End Date: 02/28/2017
 Number of Measurements: 48





GROUNDWATER DETAILS

Well Name: SHP-78 JOHNY REINER
Permit Number: 14185-FP
WDID:
Data Source: DWR

Location Number: SC03404609DA
USGS Site ID:
Applicant/Contact: JOHNY REINER

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3841 N	1274 E		NE	SE	9	34.0 S	46.0 W	S	713146.0	4108061.5	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

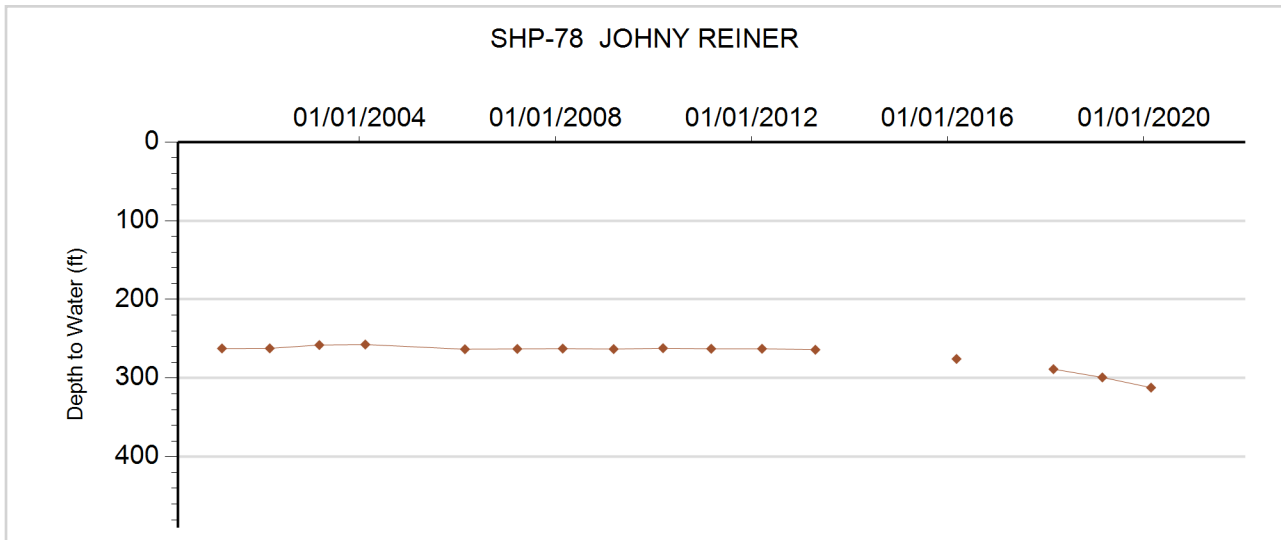
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021			
02/24/2020	312.12	4057.88	-12.98
02/26/2019	299.14	4070.86	-10.47
02/27/2018	288.67	4081.33	
02/28/2017			
03/07/2016	275.62	4094.38	
02/17/2015			
03/25/2014			
04/20/2013	264.00	4106.00	-1.30
03/19/2012	262.70	4107.30	0.00

Construction Information

Surface Elevation (ft): 4370.00
 Well Depth (ft): 490.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 03/13/2001 End Date: 03/04/2021
 Number of Measurements: 20





GROUNDWATER DETAILS

Well Name: SHP-79 ROGERS,C.& V.
Permit Number: 49691-
WDID:
Data Source: DWR

Location Number: SC03404715CD
USGS Site ID:
Applicant/Contact: ROGERS,C.& V.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
29 S	2678 E		SE	SW	10	34.0 S	47.0 W	S	704691.7	4107414.4	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

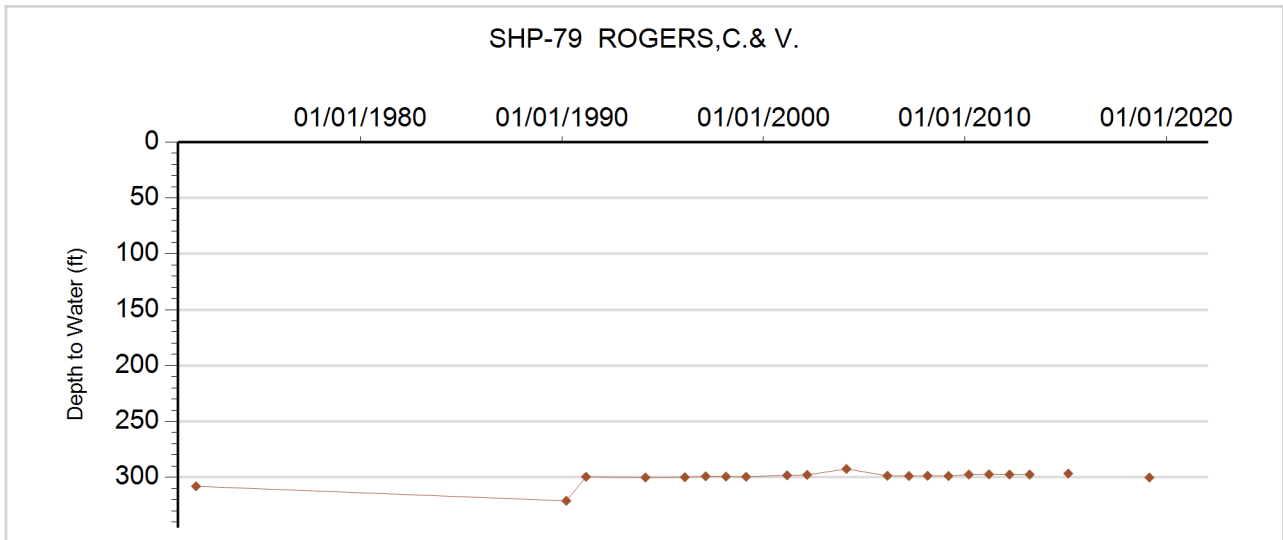
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021			
02/24/2020			
02/26/2019	300.14	4182.86	
02/26/2018			
02/27/2017			
03/07/2016			
02/17/2015	296.62	4186.38	
03/25/2014			
03/19/2013	297.50	4185.50	0.00
03/19/2012	297.50	4185.50	-0.20

Construction Information

Surface Elevation (ft): 4483.00
 Well Depth (ft): 345.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): CHEYENNE

Well Measurement Summary

Start Date: 11/03/1971 End Date: 03/04/2021
 Number of Measurements: 27





GROUNDWATER DETAILS

Well Name: SHP-80 US GOVERNMENT
Permit Number: 127340-
WDID:
Data Source: DWR

Location Number: SC03404808BCC
USGS Site ID: 370557102504800
Applicant/Contact: US GOVERNMENT

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
3073 S	590 W	SW	SW	NW	8	34.0 S	48.0 W	S	691190.0	4108015.0	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

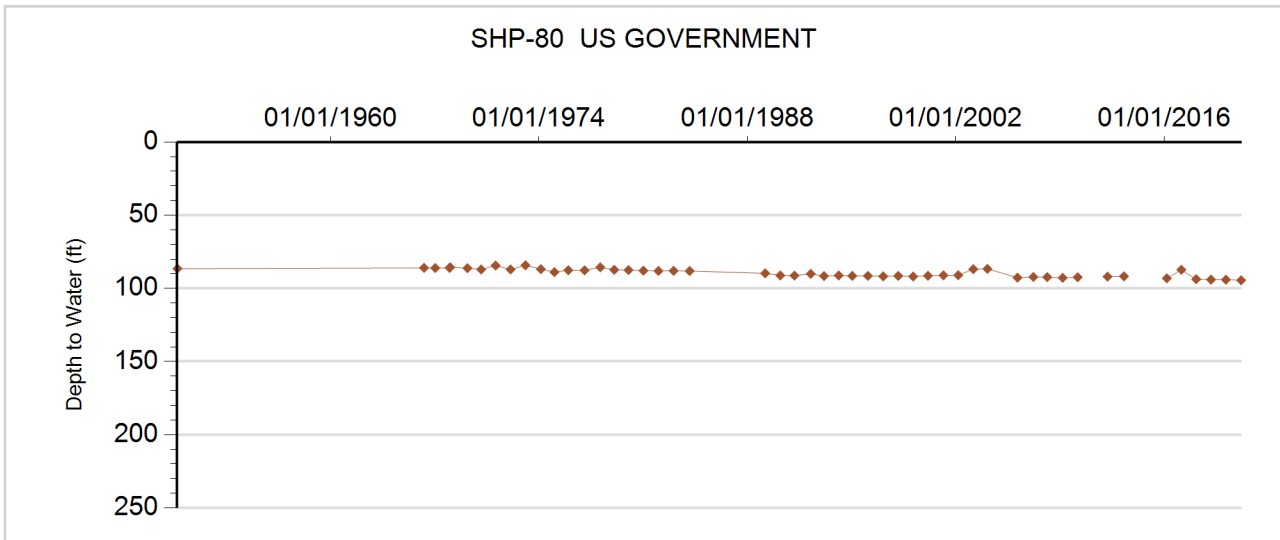
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	94.48	4503.42	-0.42
02/24/2020	94.06	4503.84	-0.03
02/25/2019	94.03	4503.87	-0.30
02/26/2018	93.73	4504.17	-6.41
02/27/2017	87.32	4510.58	5.82
03/07/2016	93.14	4504.76	
02/17/2015			
03/25/2014			
04/20/2013	91.80	4506.10	0.20
03/15/2012	92.00	4505.90	

Construction Information

Surface Elevation (ft): 4597.90
 Well Depth (ft): 250.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA

Well Measurement Summary

Start Date: 09/20/1949 End Date: 03/04/2021
 Number of Measurements: 53





GROUNDWATER DETAILS

Well Name: SHP-81 USDA FOREST SERV.
Permit Number: 127294--A
WDID:
Data Source: DWR

Location Number: SC03404826DDC
USGS Site ID: 370243102465000
Applicant/Contact: USDA FOREST SERV.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
932 S	1174 E	SW	SE	SE	26	34.0 S	48.0 W	S	697228.0	4102692.0	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

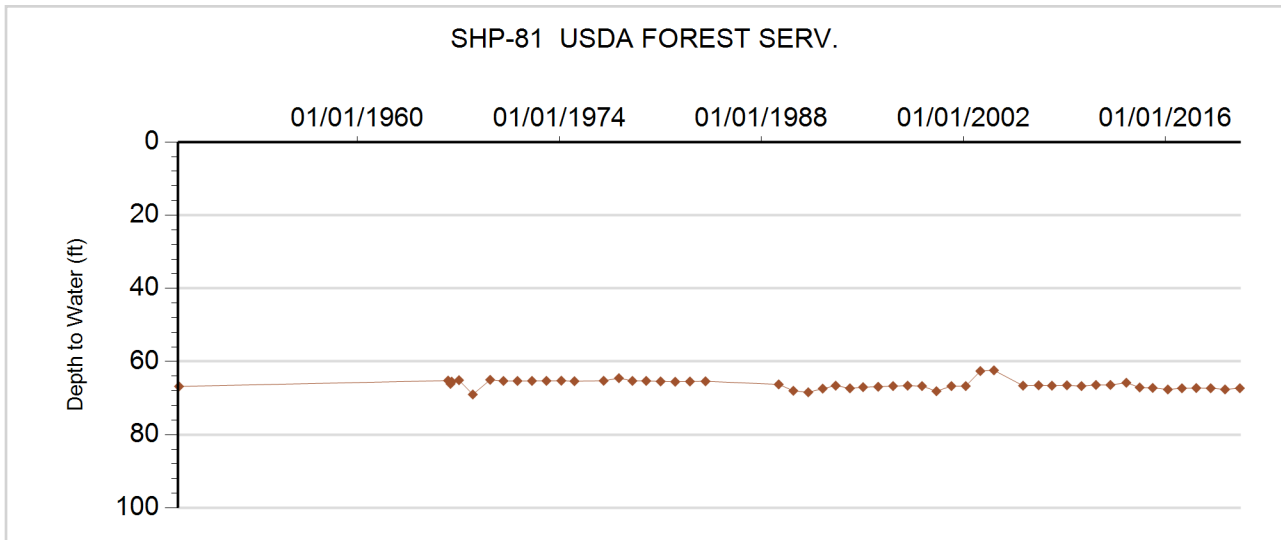
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	67.30	4464.85	0.32
02/24/2020	67.62	4464.53	-0.32
02/25/2019	67.30	4464.85	-0.06
02/26/2018	67.24	4464.91	0.07
02/27/2017	67.31	4464.84	0.32
03/07/2016	67.63	4464.52	-0.42
02/17/2015	67.21	4464.94	-0.12
03/25/2014	67.09	4465.06	-1.29
04/21/2013	65.80	4466.35	0.60
03/15/2012	66.40	4465.75	0.00

Construction Information

Surface Elevation (ft): 4532.15
 Well Depth (ft): 100.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 80
 Depth to Bottom of Perforated Casing (ft): 100
 Source Aquifer(s): DAKOTA

Well Measurement Summary

Start Date: 08/20/1947 End Date: 03/04/2021
 Number of Measurements: 53





GROUNDWATER DETAILS

Well Name: SHP-82 KIM SWEARINGEN
Permit Number: 49633-FP
WDID:
Data Source: DWR

Location Number: SC03504104DD
USGS Site ID:
Applicant/Contact: KIM SWEARINGEN

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
114 S	79 E		SE	SE	4	35.0 S	41.0 W	S	762030.5	4100991.3	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

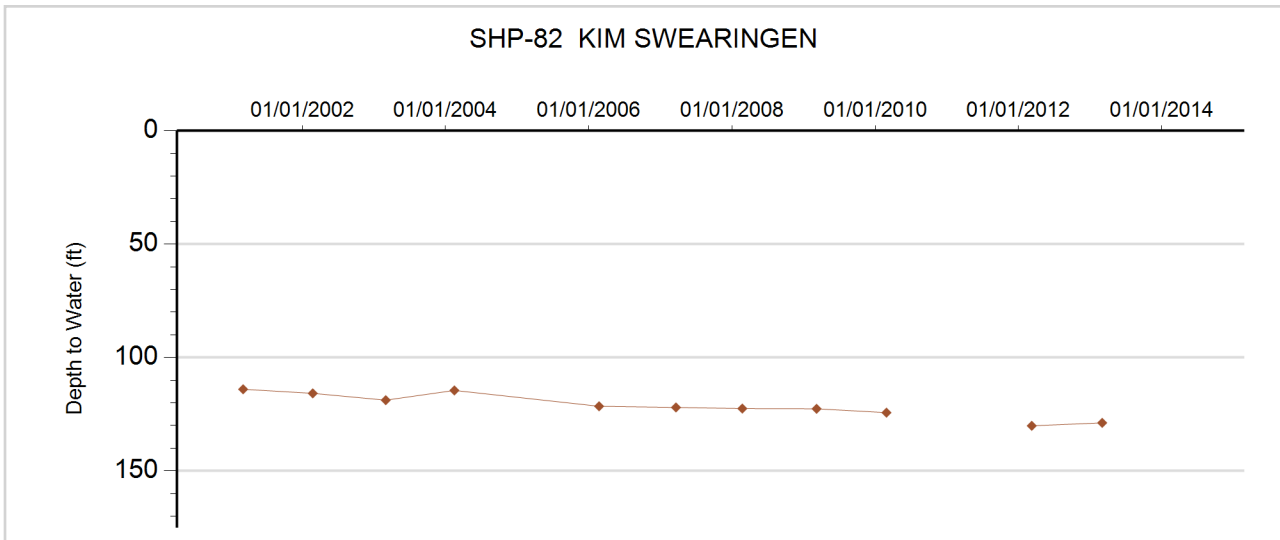
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/25/2014			
03/03/2013	128.80	3461.20	1.30
03/09/2012	130.10	3459.90	
03/06/2011			
02/27/2010	124.30	3465.70	-1.70
03/08/2009	122.60	3467.40	-0.10
02/23/2008	122.50	3467.50	-0.50
03/22/2007	122.00	3468.00	-0.50
02/23/2006	121.50	3468.50	-7.00
02/16/2004	114.50	3475.50	4.30

Construction Information

Surface Elevation (ft): 3590.00
 Well Depth (ft): 175.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 110
 Depth to Bottom of Perforated Casing (ft): 175
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 03/06/2001 End Date: 03/25/2014
 Number of Measurements: 13





GROUNDWATER DETAILS

Well Name: SHP-83 RAY GLOVER
Permit Number: 5333-F
WDID:
Data Source: DWR

Location Number: SC03504306CD
USGS Site ID:
Applicant/Contact: RAY GLOVER

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
502 S	3748 E		SE	SW	6	35.0 S	43.0 W	S	738380.2	4100408.3	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

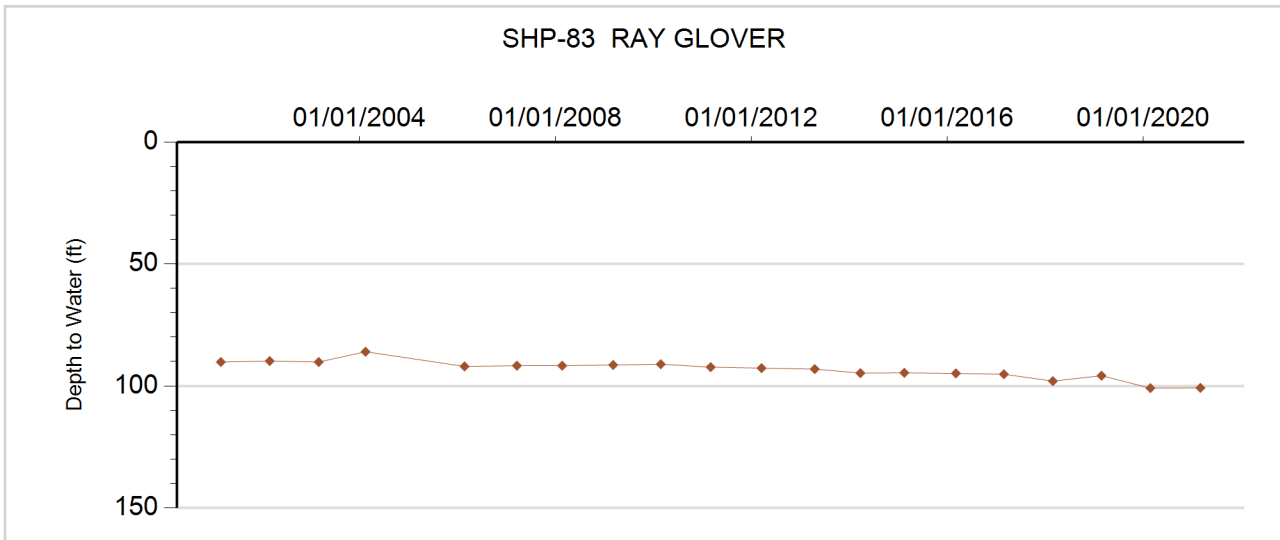
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	100.80	3779.20	0.10
02/25/2020	100.90	3779.10	-5.08
02/26/2019	95.82	3784.18	2.20
02/28/2018	98.02	3781.98	-2.81
02/28/2017	95.21	3784.79	-0.36
03/07/2016	94.85	3785.15	-0.23
02/17/2015	94.62	3785.38	0.12
03/26/2014	94.74	3785.26	-1.64
04/20/2013	93.10	3786.90	-0.40
03/19/2012	92.70	3787.30	-0.40

Construction Information

Surface Elevation (ft): 3880.00
 Well Depth (ft): 150.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 03/06/2001 End Date: 03/04/2021
 Number of Measurements: 20





GROUNDWATER DETAILS

Well Name: SHP-84 HALLENBACK, G.&M.
Permit Number: 127551-
WDID:
Data Source: DWR

Location Number: SC03504510BB
USGS Site ID: 370053102290700
Applicant/Contact: HALLENBACK, G.&M.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
1233 N	381 W		NW	NW	10	35.0 S	45.0 W	S	723546.0	4099464.0	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

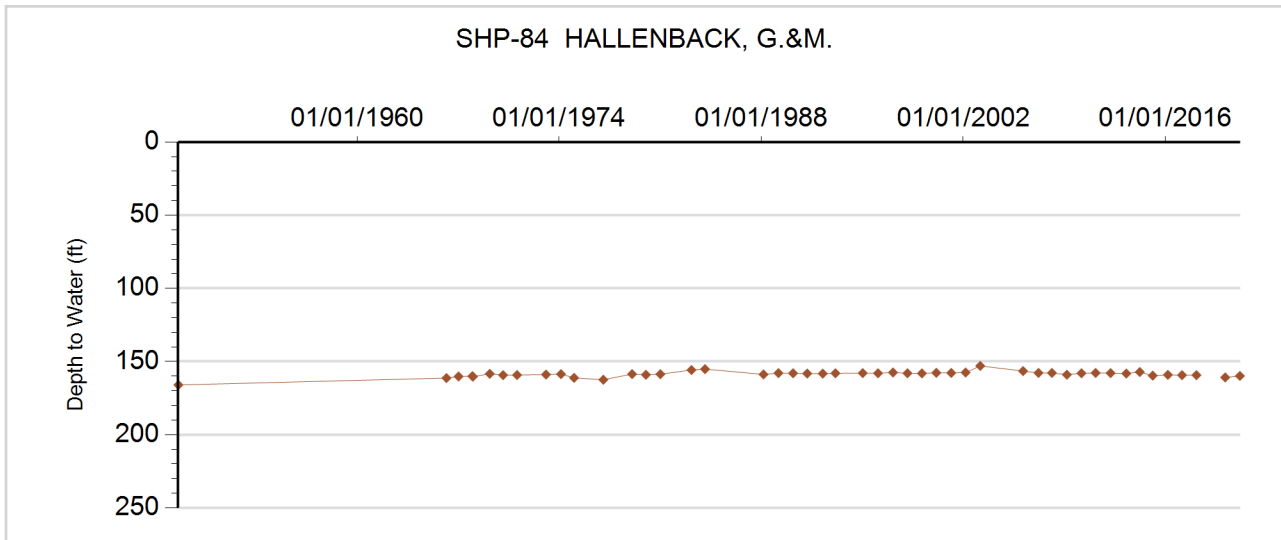
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	159.85	3945.05	0.99
02/25/2020	160.84	3944.06	
02/26/2019			
02/27/2018	159.28	3945.62	0.01
02/28/2017	159.29	3945.61	-0.20
03/07/2016	159.09	3945.81	0.54
02/17/2015	159.63	3945.27	-2.47
03/26/2014	157.16	3947.74	1.04
04/20/2013	158.20	3946.70	-0.30
03/19/2012	157.90	3947.00	-0.10

Construction Information

Surface Elevation (ft): 4104.90
 Well Depth (ft): 250.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA

Well Measurement Summary

Start Date: 08/20/1947 End Date: 03/04/2021
 Number of Measurements: 48





GROUNDWATER DETAILS

Well Name: SHP-85 DIXON, WM.J.
Permit Number: 10763-
WDID:
Data Source: DWR

Location Number: SC03504603DC
USGS Site ID:
Applicant/Contact: DIXON, WM.J.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
698 S	3716 W		SW	SE	3	35.0 S	46.0 W	S	714887.8	4099828.3	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

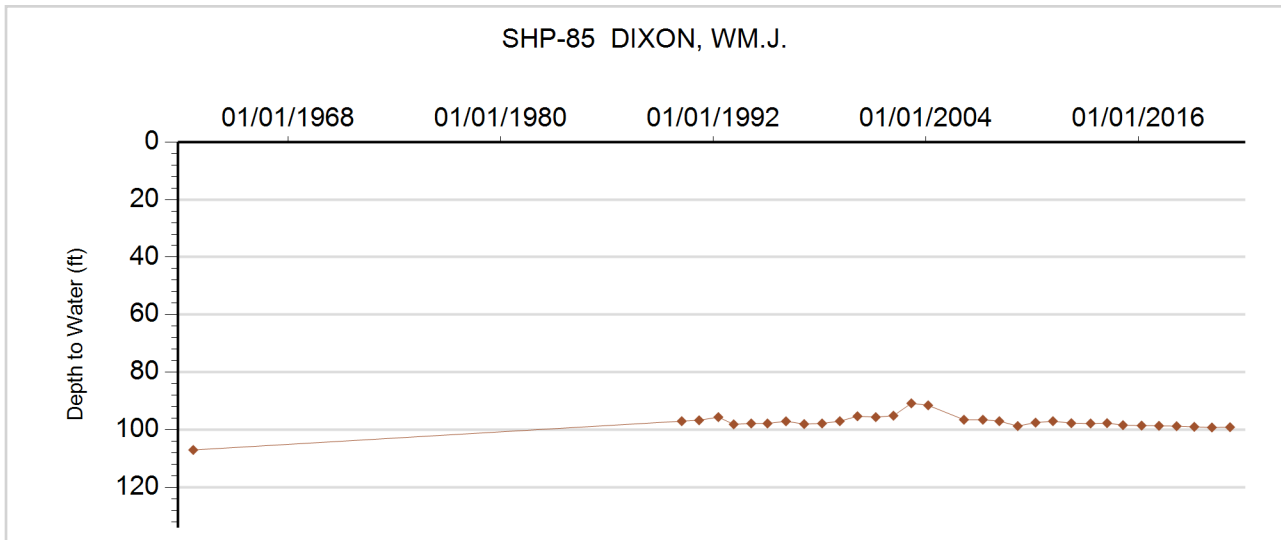
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2021	99.09	4095.91	0.10
02/25/2020	99.19	4095.81	-0.23
02/26/2019	98.96	4096.04	-0.21
02/27/2018	98.75	4096.25	-0.13
02/28/2017	98.62	4096.38	-0.09
03/07/2016	98.53	4096.47	-0.15
02/17/2015	98.38	4096.62	-0.70
03/26/2014	97.68	4097.32	0.12
04/20/2013	97.80	4097.20	-0.10
03/19/2012	97.70	4097.30	-0.70

Construction Information

Surface Elevation (ft): 4195.00
 Well Depth (ft): 134.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): CHEYENNE

Well Measurement Summary

Start Date: 08/22/1962 End Date: 03/04/2021
 Number of Measurements: 32





GROUNDWATER DETAILS

Well Name: SHP-86 WELBORN,J.M. 1
Permit Number: 5650-F
WDID:
Data Source: DWR

Location Number: SC03505003AAC
USGS Site ID:
Applicant/Contact: WELBORN,J.M.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
1120 N	624 E	SW	NE	NE	3	35.0 S	50.0 W	S	676514.3	4099998.4	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

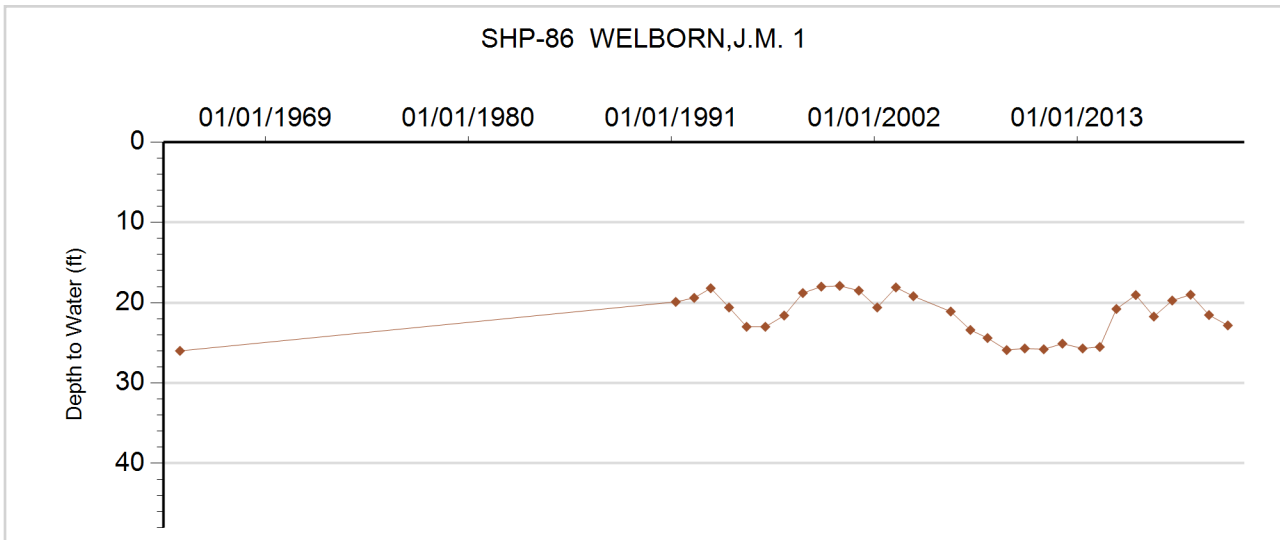
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/03/2021	22.83	4447.17	-1.29
02/24/2020	21.54	4448.46	-2.53
02/25/2019	19.01	4450.99	0.72
02/26/2018	19.73	4450.27	2.00
02/27/2017	21.73	4448.27	-2.68
03/07/2016	19.05	4450.95	1.73
02/17/2015	20.78	4449.22	4.73
03/26/2014	25.51	4444.49	0.19
04/20/2013	25.70	4444.30	-0.60
03/15/2012	25.10	4444.90	0.70

Construction Information

Surface Elevation (ft): 4470.00
 Well Depth (ft): 48.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): QUATERNARY ALLUVIUM, DOCKUM

Well Measurement Summary

Start Date: 05/23/1964 End Date: 03/03/2021
 Number of Measurements: 31





GROUNDWATER DETAILS

Well Name: SHP-87 WELBORN,J.M. 2
Permit Number: 3220-F
WDID:
Data Source: DWR

Location Number: SC03505012BBA
USGS Site ID:
Applicant/Contact: WELBORN,J.M.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
154 N	1335 W	NE	NW	NW	12	35.0 S	50.0 W	S	678735.3	4098722.4	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

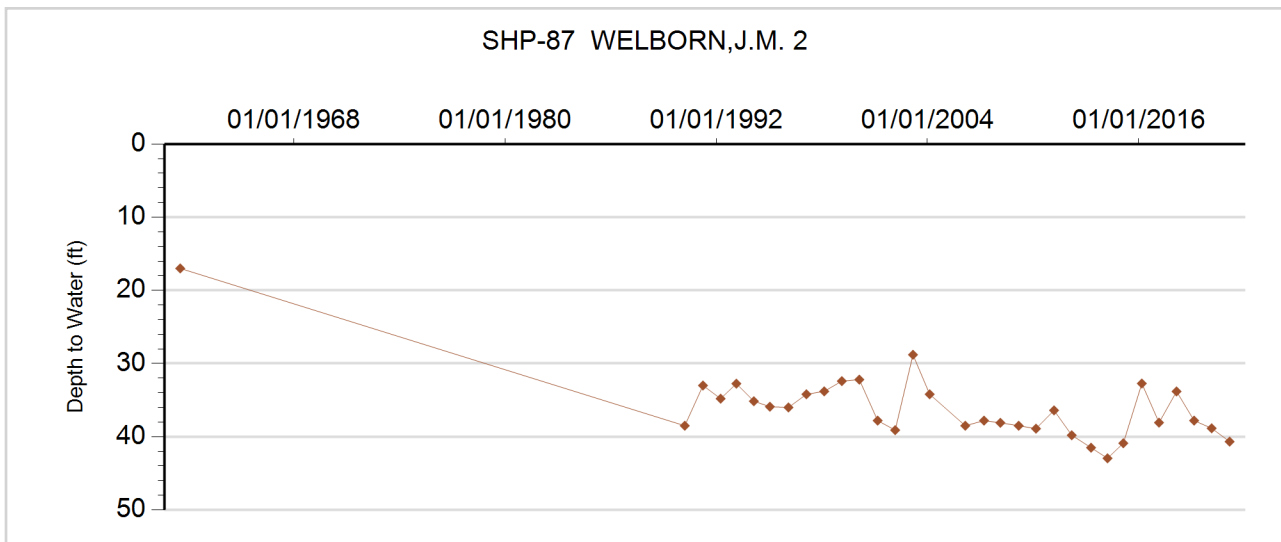
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/03/2021	40.67	4370.33	-1.82
02/24/2020	38.85	4372.15	-1.05
02/25/2019	37.80	4373.20	-3.99
02/26/2018	33.81	4377.19	4.27
02/27/2017	38.08	4372.92	-5.35
03/07/2016	32.73	4378.27	8.16
02/17/2015	40.89	4370.11	2.06
03/26/2014	42.95	4368.05	-1.45
04/20/2013	41.50	4369.50	-1.70
03/15/2012	39.80	4371.20	-3.40

Construction Information

Surface Elevation (ft): 4411.00
 Well Depth (ft): 50.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 07/23/1961 End Date: 03/03/2021
 Number of Measurements: 32





GROUNDWATER DETAILS

Well Name: SHP-88 WELBORN,J.M. 3
Permit Number: 3221-F
WDID:
Data Source: DWR

Location Number: SC03505012BB
USGS Site ID:
Applicant/Contact: WELBORN,J.M.

Physical Location

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
346 N	1251 W		NW	NW	12	35.0 S	50.0 W	S	678711.3	4098663.4	GPS

Division: 2 District: 66
 County: BACA
 Designated Basin: SOUTHERN HIGH PLAINS
 Management District:

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/03/2021	39.89	4370.11	-3.51
02/24/2020	36.38	4373.62	-1.04
02/25/2019	35.34	4374.66	-3.85
02/26/2018	31.49	4378.51	4.52
02/27/2017	36.01	4373.99	-5.69
03/07/2016	30.32	4379.68	6.04
02/17/2015	36.36	4373.64	5.43
03/26/2014	41.79	4368.21	-3.79
04/20/2013	38.00	4372.00	-1.70
03/15/2012	36.30	4373.70	-2.80

Construction Information

Surface Elevation (ft): 4410.00
 Well Depth (ft): 82.00
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 07/12/1961 End Date: 03/03/2021
 Number of Measurements: 32

