

Groundwater Levels in the Southern High Plains Designated Groundwater Basin

2023

by
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Hydrogeology Section

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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 2023

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 66 wells were measured during late February and early March 2023. Water levels were not measured in nine wells that were pumping or where access was restricted. Figure 2 shows the location and designation of all 86 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	2023 Water Level Range (ft below ground)	Avg. Water Level Change 2022-2023 (ft)	Avg. Water Level Change 2018-2023 (ft)	Avg. Water Level Change 2013-2023 (ft)
Ogallala	94 to 242	-1.6	-7.4	-9.6
Dakota/Cheyenne	62 to 347	-0.1	-3.4	-8.5
Dockum	32 to 323	-0.3	-6.8	-9.2

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,

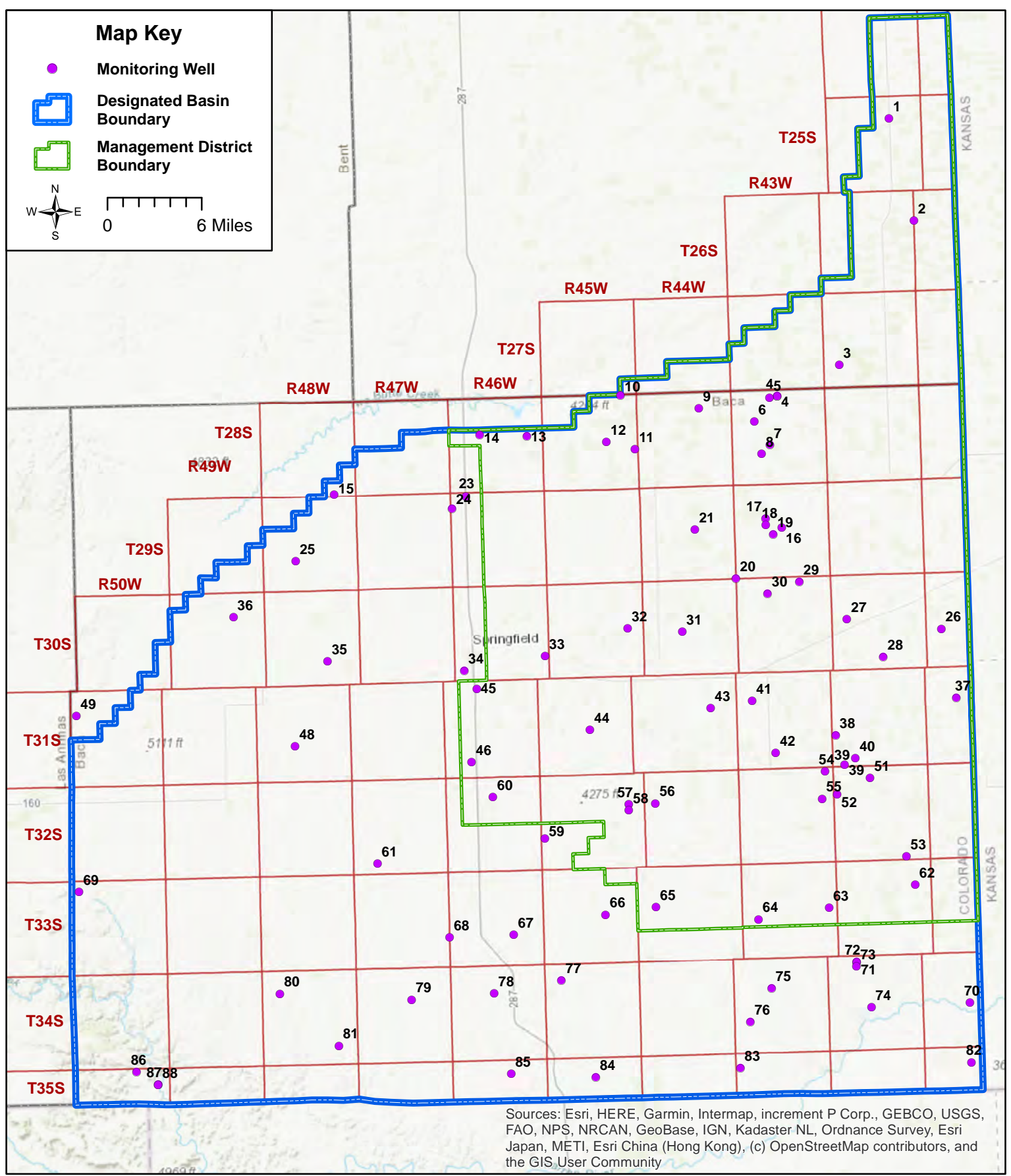
<https://dwr.state.co.us/Portal/dwr/AskDWR?topicNum=31&officeNum=8>

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

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

Map Key

- Monitoring Well
 - Designated Basin Boundary
 - Management District Boundary
- N
W E
S
- 0 6 Miles

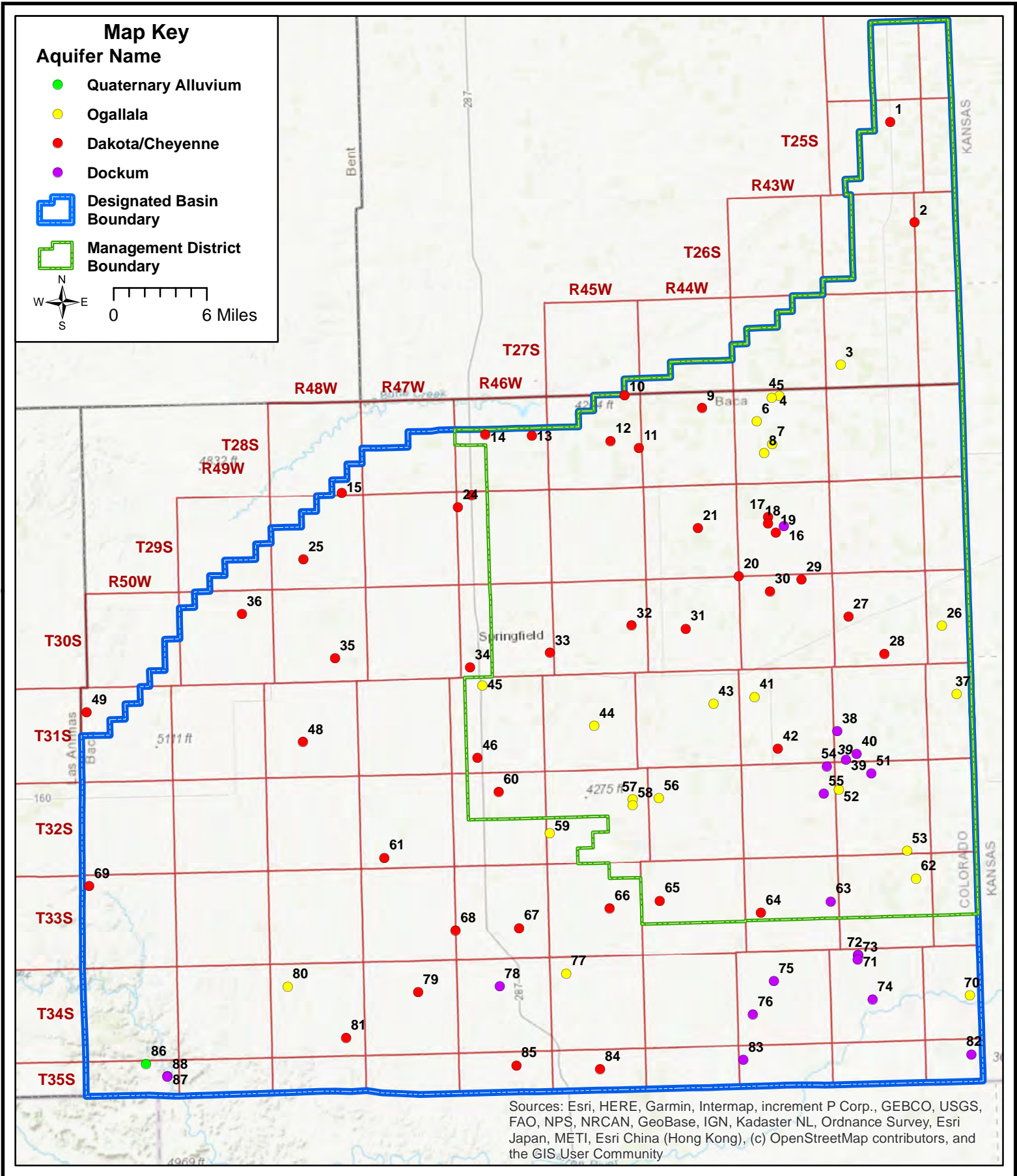


Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



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Southern High Plains Designated Basin Monitoring Well Locations Figure 2



Map Key

Groundwater Level Change

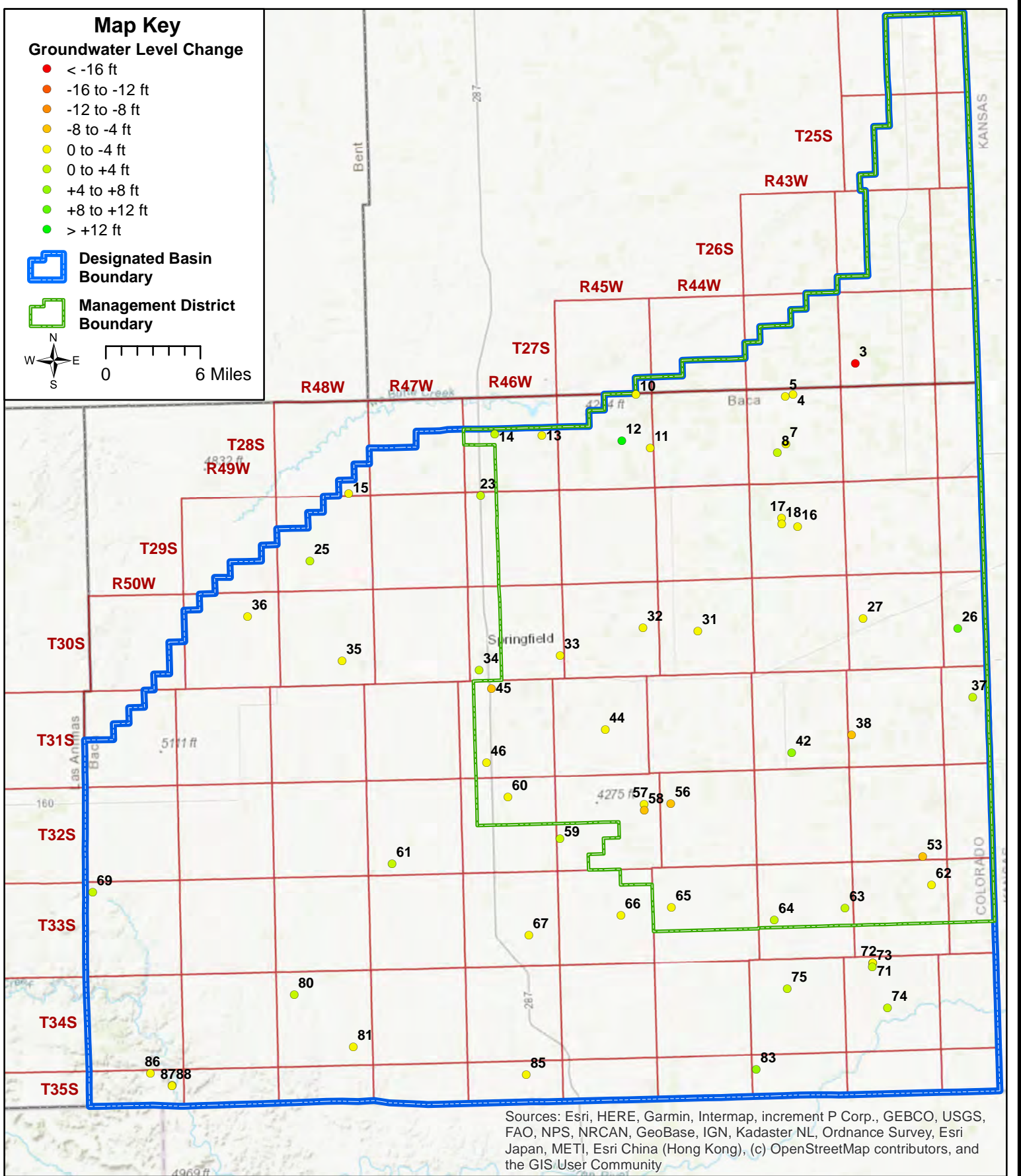
- < -16 ft
- -16 to -12 ft
- -12 to -8 ft
- -8 to -4 ft
- 0 to -4 ft
- 0 to +4 ft
- +4 to +8 ft
- +8 to +12 ft
- > +12 ft

 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 2022-2023

Figure 4

Map Key

Groundwater Level Change

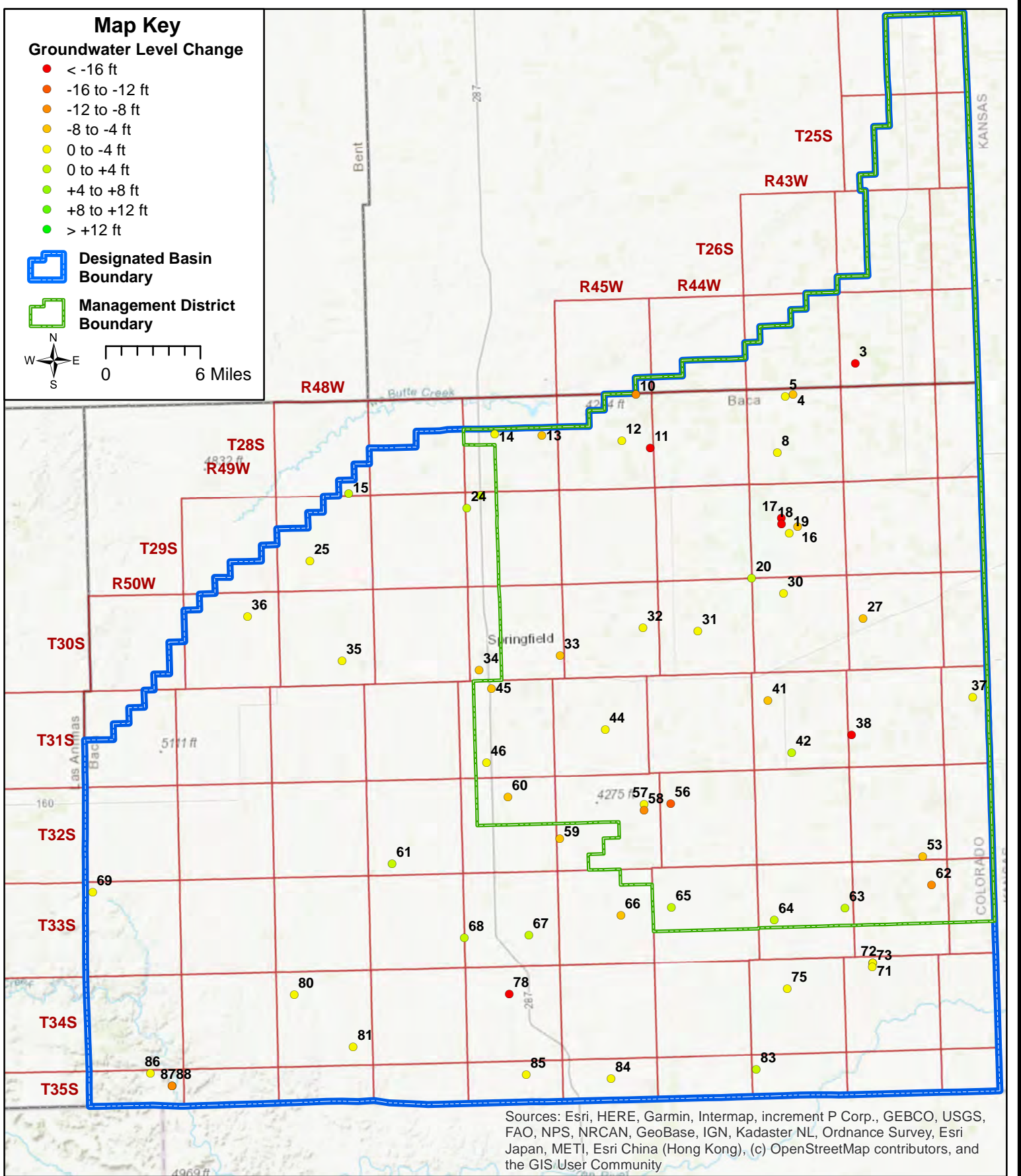
- < -16 ft
- -16 to -12 ft
- -12 to -8 ft
- -8 to -4 ft
- 0 to -4 ft
- 0 to +4 ft
- +4 to +8 ft
- +8 to +12 ft
- > +12 ft

 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 2018-2023

Figure 5

Map Key

Groundwater Level Change

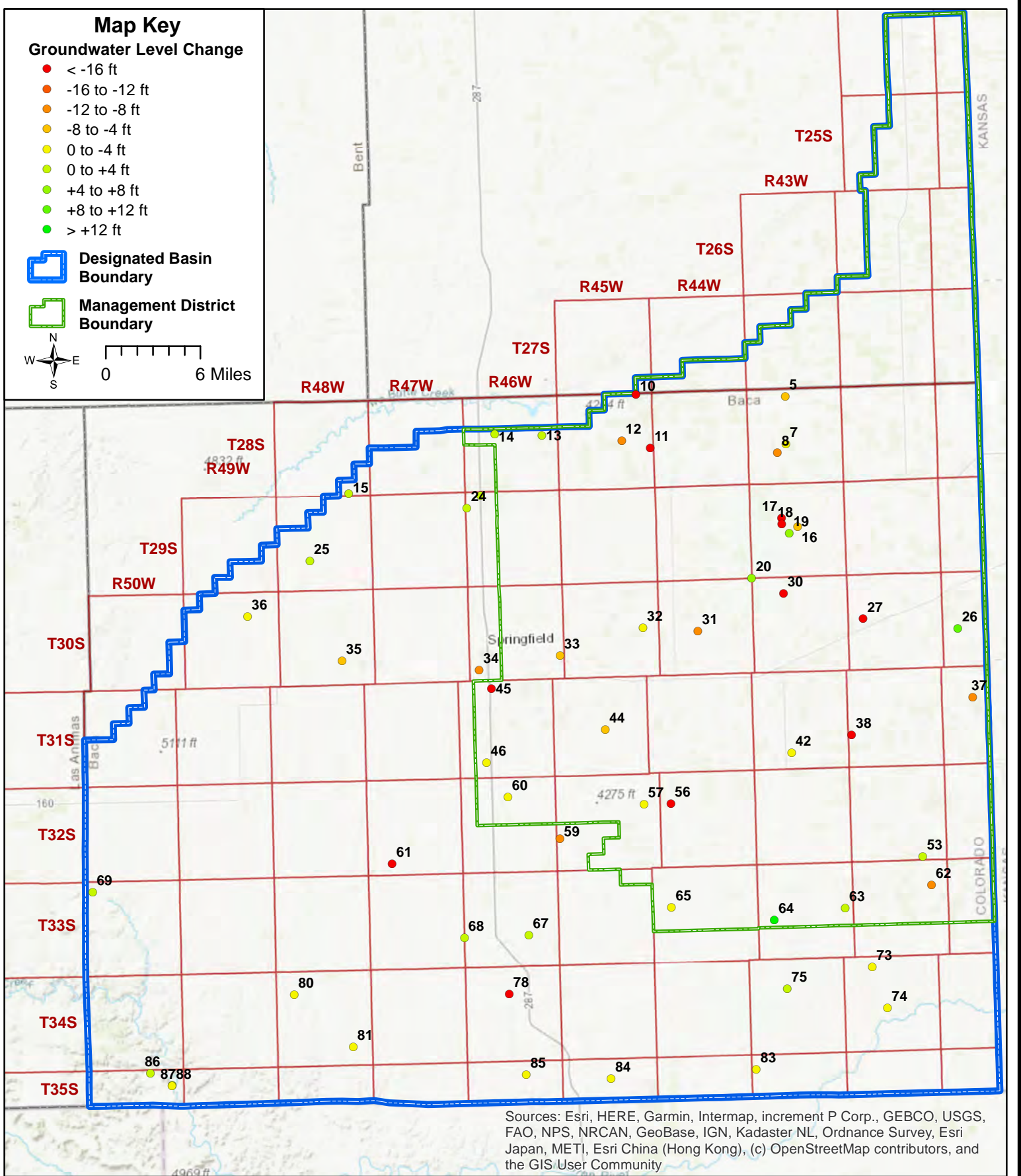
- < -16 ft
- -16 to -12 ft
- -12 to -8 ft
- -8 to -4 ft
- 0 to -4 ft
- 0 to +4 ft
- +4 to +8 ft
- +8 to +12 ft
- > +12 ft

 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 2013-2023

Figure 6



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

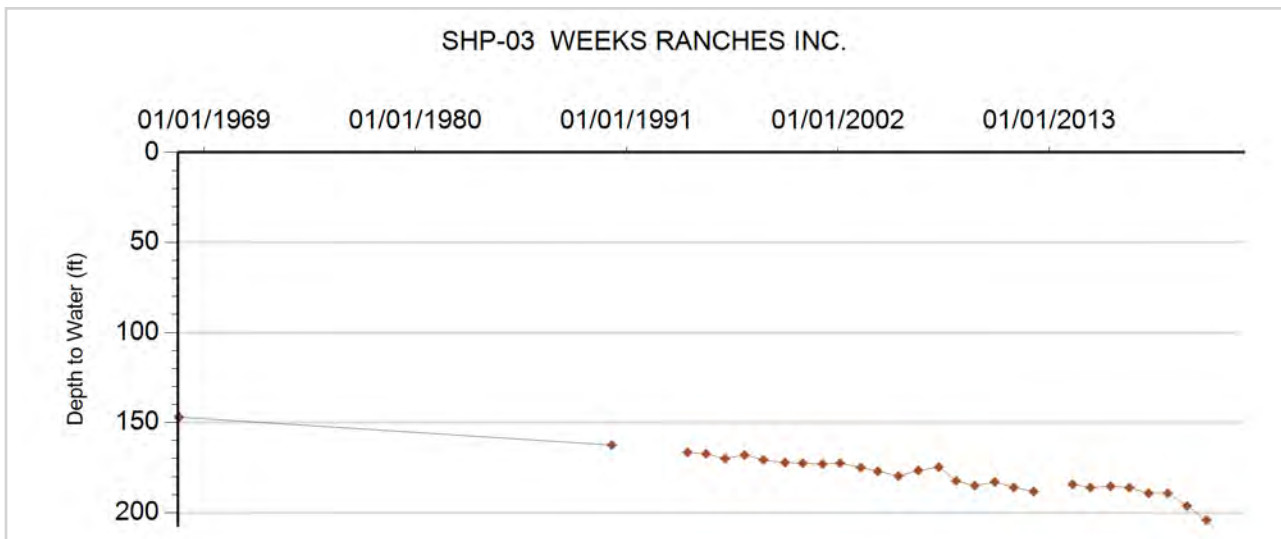
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	226.70	3600.38	-12.63
03/06/2022	214.07	3613.01	-9.93
03/06/2021	204.14	3622.94	-7.81
02/27/2020	196.33	3630.75	-7.03
03/01/2019	189.30	3637.78	0.00
03/01/2018	189.30	3637.78	-3.20
03/02/2017	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	

Construction Information

Surface Elevation (ft): 3827
 Well Depth (ft): 208
 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: 03/01/2023
 Number of Measurements: 34





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

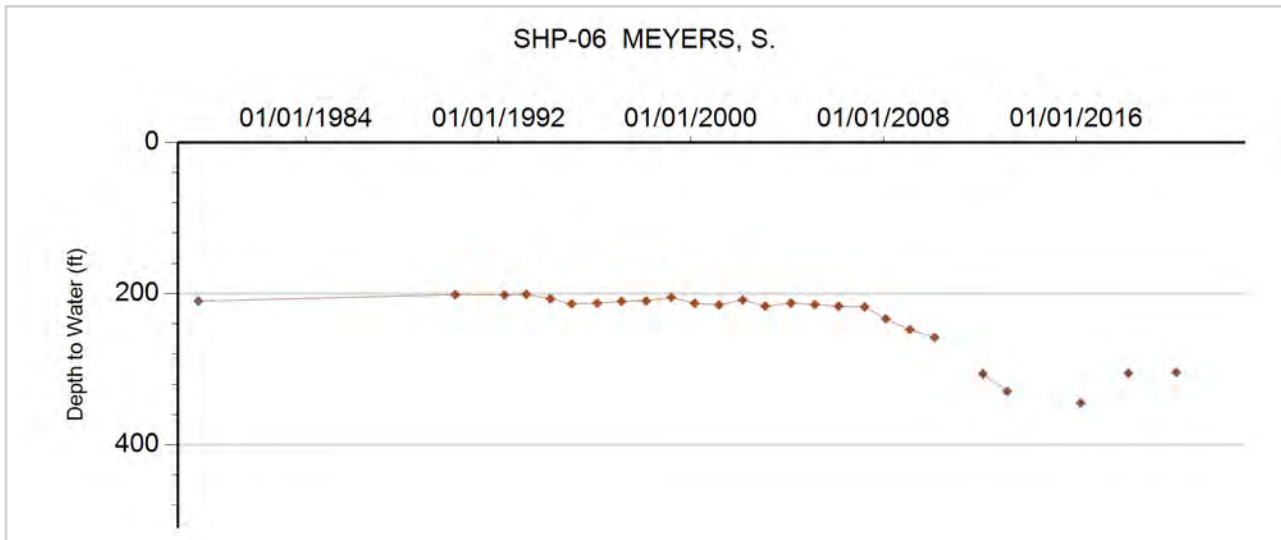
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2022			
03/06/2021			
02/27/2020	304.18	3660.59	
02/28/2019			
03/01/2018	305.45	3659.32	
03/02/2017			
03/09/2016	344.66	3620.11	
02/20/2015			
03/03/2014			
02/18/2013	329.50	3635.27	-23.30

Construction Information

Surface Elevation (ft): 3965
 Well Depth (ft): 510
 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 SANDSTONE

Well Measurement Summary

Start Date: 07/17/1979 End Date: 03/06/2022
 Number of Measurements: 33





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

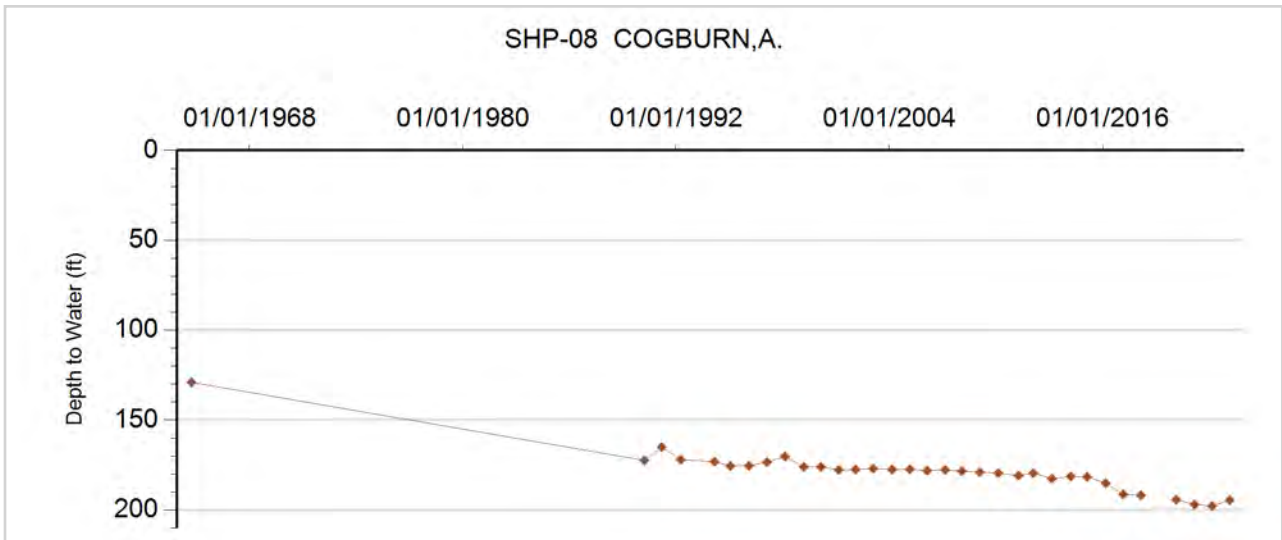
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	194.53	3745.47	3.23
03/06/2022	197.76	3742.24	-0.81
03/06/2021	196.95	3743.05	-2.64
02/27/2020	194.31	3745.69	
02/28/2019			
03/01/2018	191.81	3748.19	-0.51
03/02/2017	191.30	3748.70	-6.16
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

Construction Information

Surface Elevation (ft): 3940
 Well Depth (ft): 210
 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: 03/01/2023
 Number of Measurements: 34





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

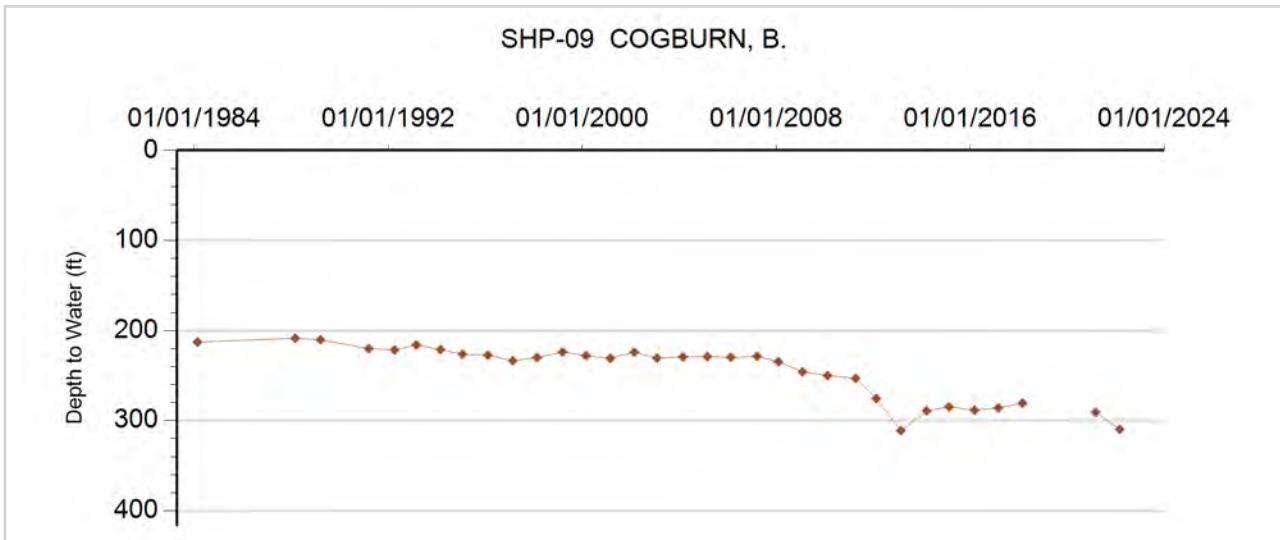
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/02/2023			
03/06/2022	309.57	3747.43	-18.82
03/06/2021	290.75	3766.25	
02/27/2020			
02/28/2019			
03/01/2018	280.59	3776.41	5.23
03/02/2017	285.82	3771.18	2.55
03/09/2016	288.37	3768.63	-3.68
02/20/2015	284.69	3772.31	4.41
03/18/2014	289.10	3767.90	22.00

Construction Information

Surface Elevation (ft): 4057
 Well Depth (ft): 417
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): CHEYENNE SANDSTONE

Well Measurement Summary

Start Date: 02/17/1984 End Date: 03/02/2023
 Number of Measurements: 36





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

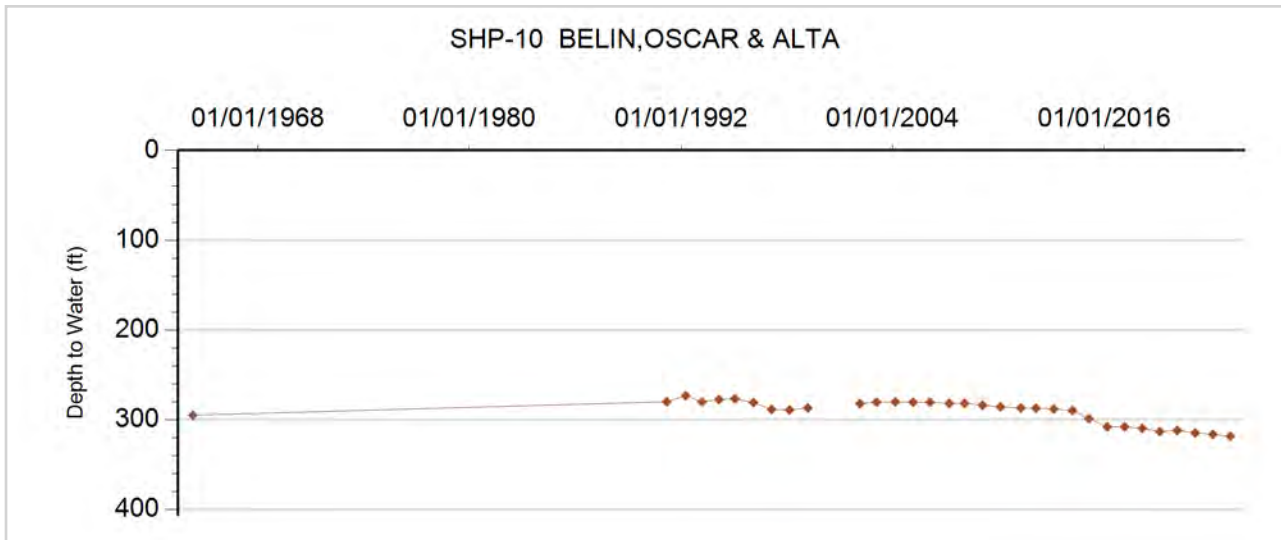
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	318.40	3866.60	-2.10
03/06/2022	316.30	3868.70	-1.56
03/06/2021	314.74	3870.26	-2.77
02/27/2020	311.97	3873.03	1.27
02/28/2019	313.24	3871.76	-3.69
02/28/2018	309.55	3875.45	-1.61
03/01/2017	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

Construction Information

Surface Elevation (ft): 4185
 Well Depth (ft): 407
 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 SANDSTONE, DOCKUM

Well Measurement Summary

Start Date: 04/24/1964 End Date: 03/01/2023
 Number of Measurements: 34





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

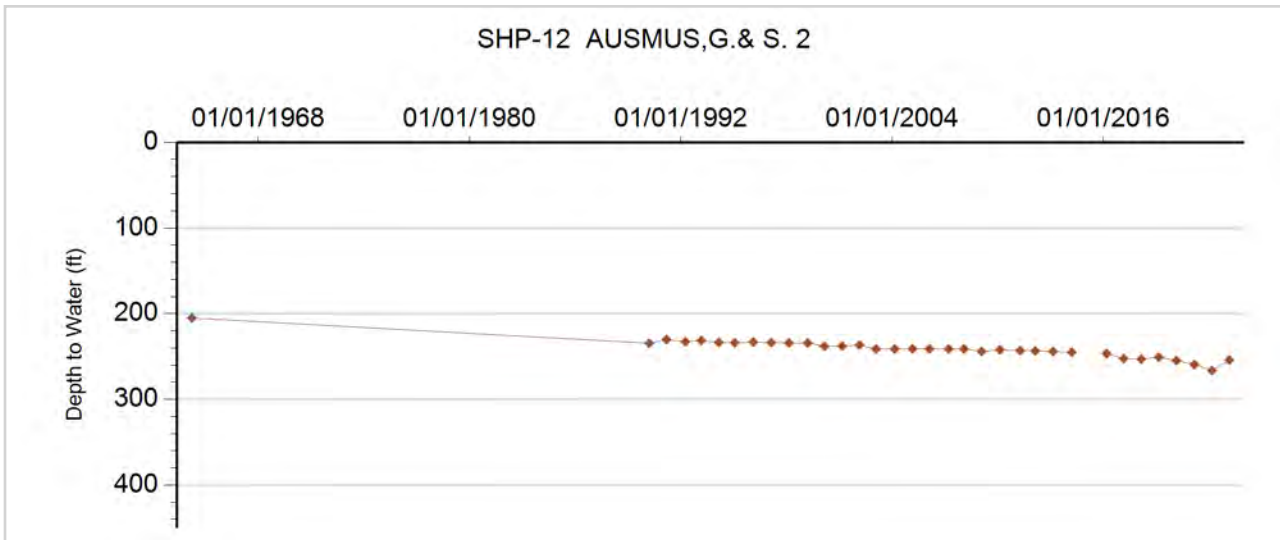
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	254.03	3950.97	12.37
03/06/2022	266.40	3938.60	-7.01
03/06/2021	259.39	3945.61	-4.82
02/27/2020	254.57	3950.43	-3.86
02/28/2019	250.71	3954.29	2.29
02/28/2018	253.00	3952.00	-0.66
03/01/2017	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

Construction Information

Surface Elevation (ft): 4205
 Well Depth (ft): 450
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): CHEYENNE SANDSTONE

Well Measurement Summary

Start Date: 03/23/1964 End Date: 03/01/2023
 Number of Measurements: 35





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

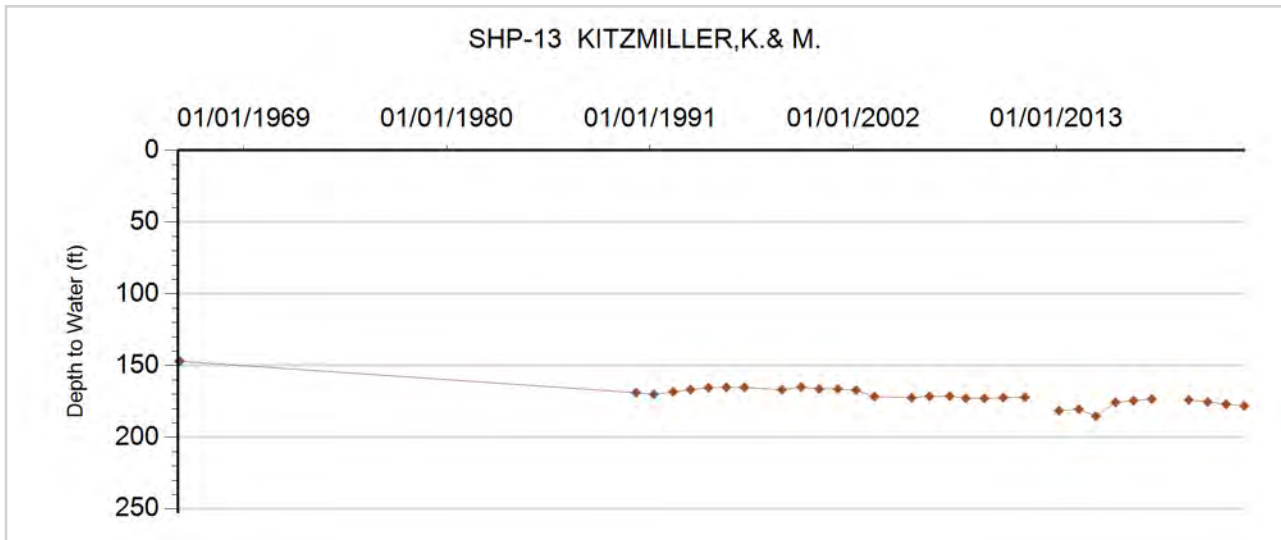
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	178.00	4133.96	-1.13
03/05/2022	176.87	4135.09	-1.57
03/06/2021	175.30	4136.66	-1.44
02/27/2020	173.86	4138.10	
02/28/2019			
02/28/2018	173.29	4138.67	1.16
03/01/2017	174.45	4137.51	1.15
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

Construction Information

Surface Elevation (ft): 4312
 Well Depth (ft): 253
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): CHEYENNE SANDSTONE

Well Measurement Summary

Start Date: 07/01/1965 End Date: 03/01/2023
 Number of Measurements: 34





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

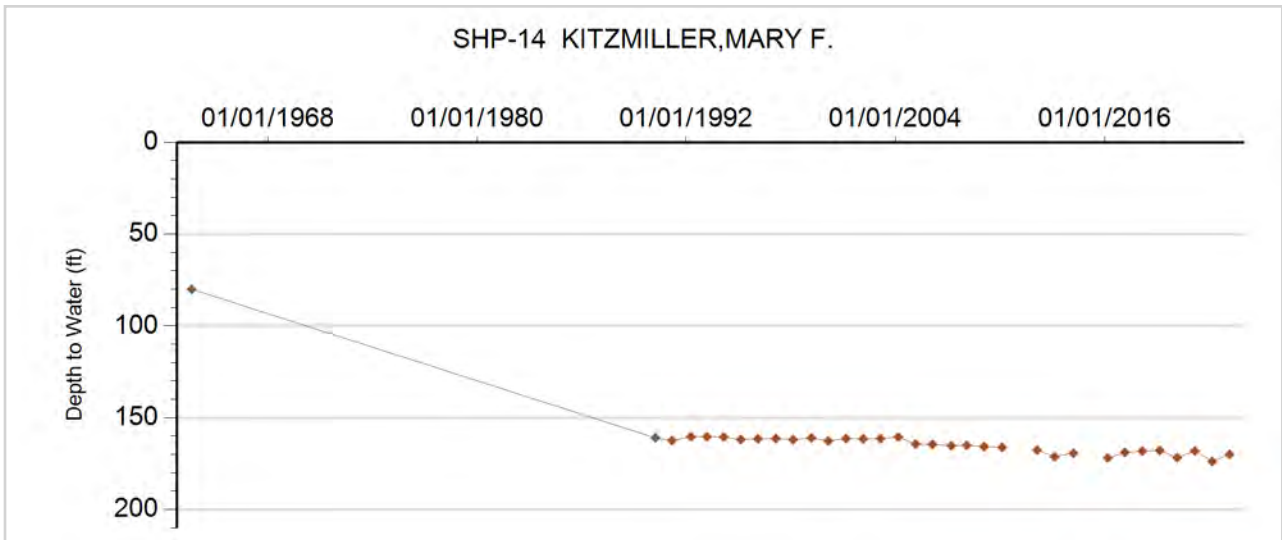
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	169.90	4215.10	3.87
03/05/2022	173.77	4211.23	-5.68
03/06/2021	168.09	4216.91	3.63
02/27/2020	171.72	4213.28	-3.94
02/28/2019	167.78	4217.22	0.37
02/28/2018	168.15	4216.85	0.72
03/01/2017	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

Construction Information

Surface Elevation (ft): 4385
 Well Depth (ft): 210
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 08/22/1963 End Date: 03/01/2023
 Number of Measurements: 35





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

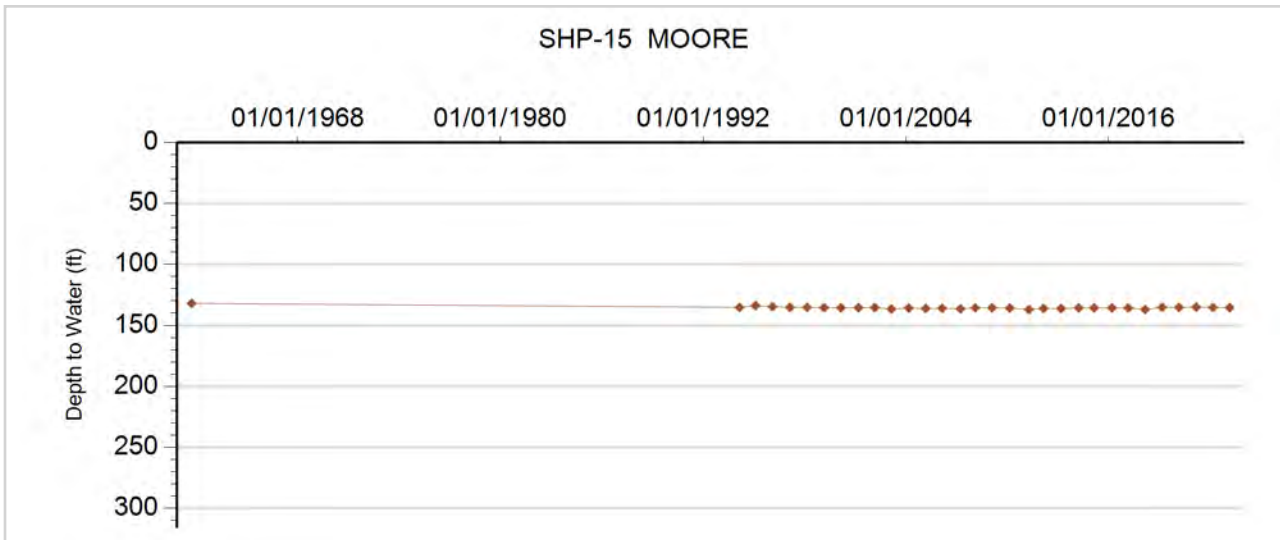
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/27/2023	135.43	4474.57	-0.10
03/03/2022	135.33	4474.67	-0.33
03/06/2021	135.00	4475.00	0.28
02/27/2020	135.28	4474.72	-0.08
02/28/2019	135.20	4474.80	1.77
02/28/2018	136.97	4473.03	-1.22
03/01/2017	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

Construction Information

Surface Elevation (ft): 4610
 Well Depth (ft): 316
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 09/22/1961 End Date: 02/27/2023
 Number of Measurements: 31





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

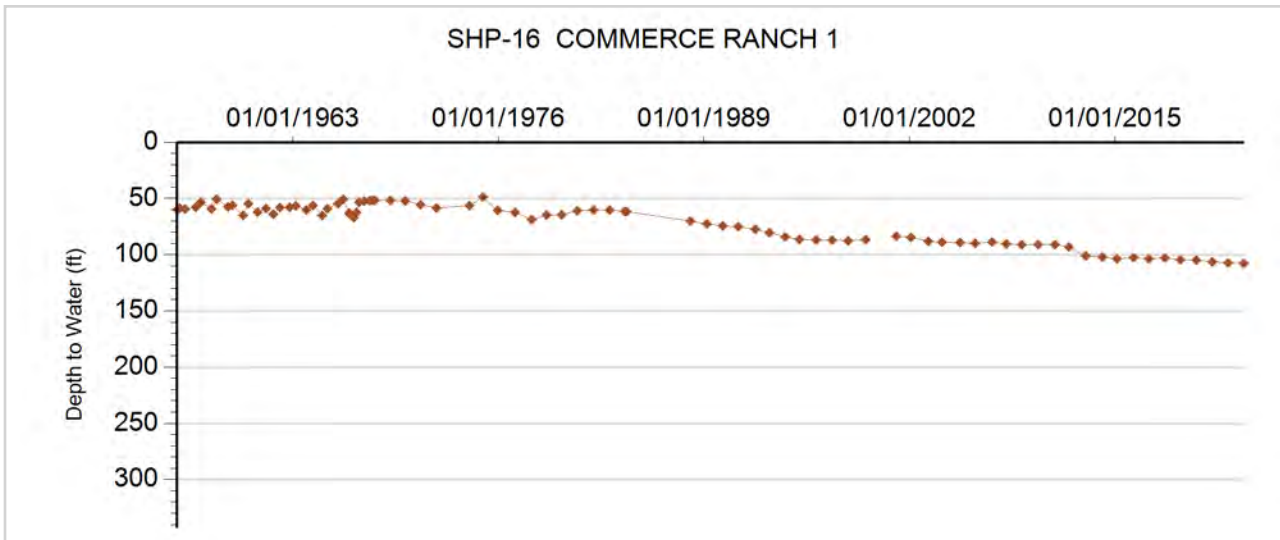
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	107.70	3806.88	-0.41
03/05/2022	107.29	3807.29	-0.99
03/06/2021	106.30	3808.28	-1.54
02/26/2020	104.76	3809.82	-0.25
02/27/2019	104.51	3810.07	-1.62
03/01/2018	102.89	3811.69	0.72
03/02/2017	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

Construction Information

Surface Elevation (ft): 3915
 Well Depth (ft): 343
 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: 03/01/2023
 Number of Measurements: 84





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

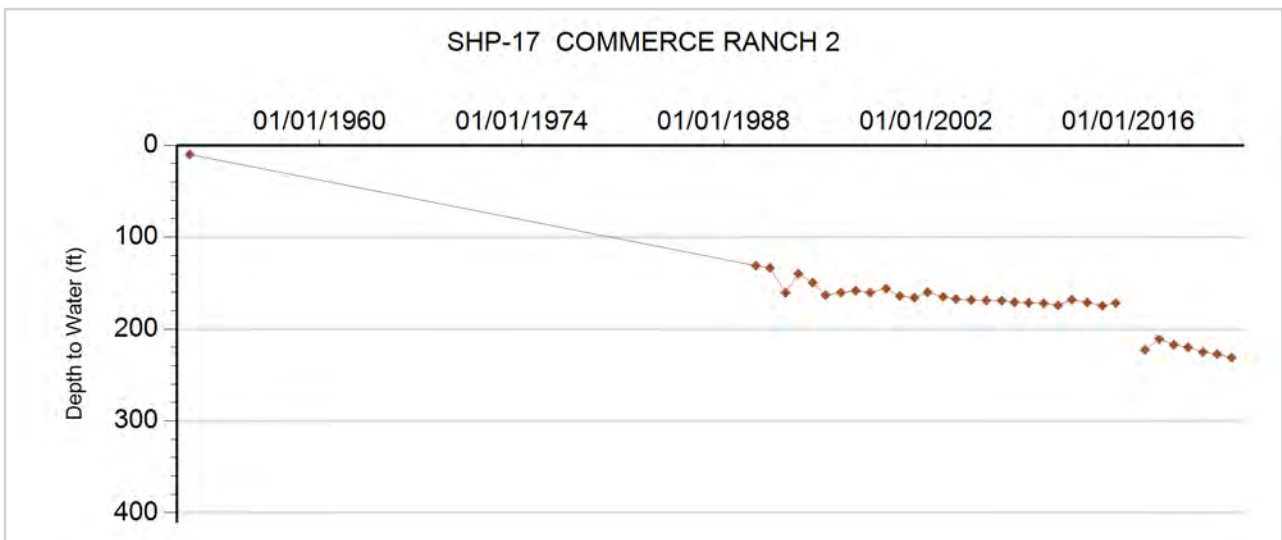
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	231.10	3707.90	-3.76
03/05/2022	227.34	3711.66	-2.29
03/06/2021	225.05	3713.95	-5.22
02/26/2020	219.83	3719.17	-2.82
02/27/2019	217.01	3721.99	-6.11
03/01/2018	210.90	3728.10	11.67
03/02/2017	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

Construction Information

Surface Elevation (ft): 3939
 Well Depth (ft): 411
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE, CHEYENNE SANDSTONE

Well Measurement Summary

Start Date: 01/01/1951 End Date: 03/01/2023
 Number of Measurements: 35





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

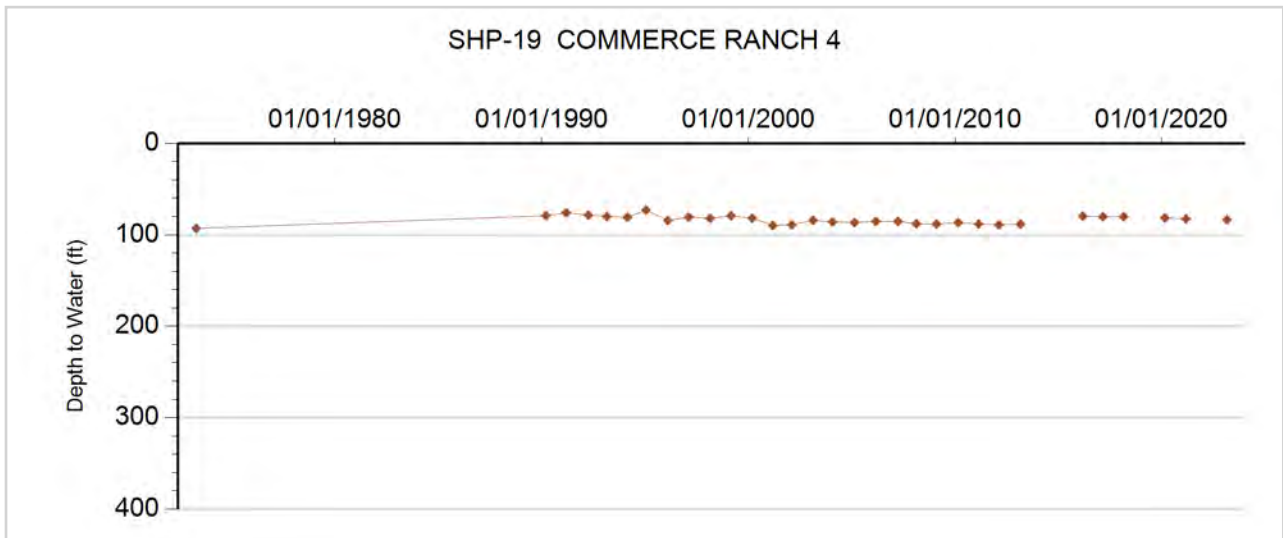
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	83.44	3831.56	
03/05/2022			
03/06/2021	82.62	3832.38	-1.05
02/26/2020	81.57	3833.43	
02/27/2019			
03/01/2018	80.27	3834.73	0.03
03/02/2017	80.30	3834.70	-0.59
03/10/2016	79.71	3835.29	
02/20/2015			
03/20/2014			

Construction Information

Surface Elevation (ft): 3915
 Well Depth (ft): 400
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE, CHEYENNE SANDSTONE

Well Measurement Summary

Start Date: 04/16/1973 End Date: 03/01/2023
 Number of Measurements: 35





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

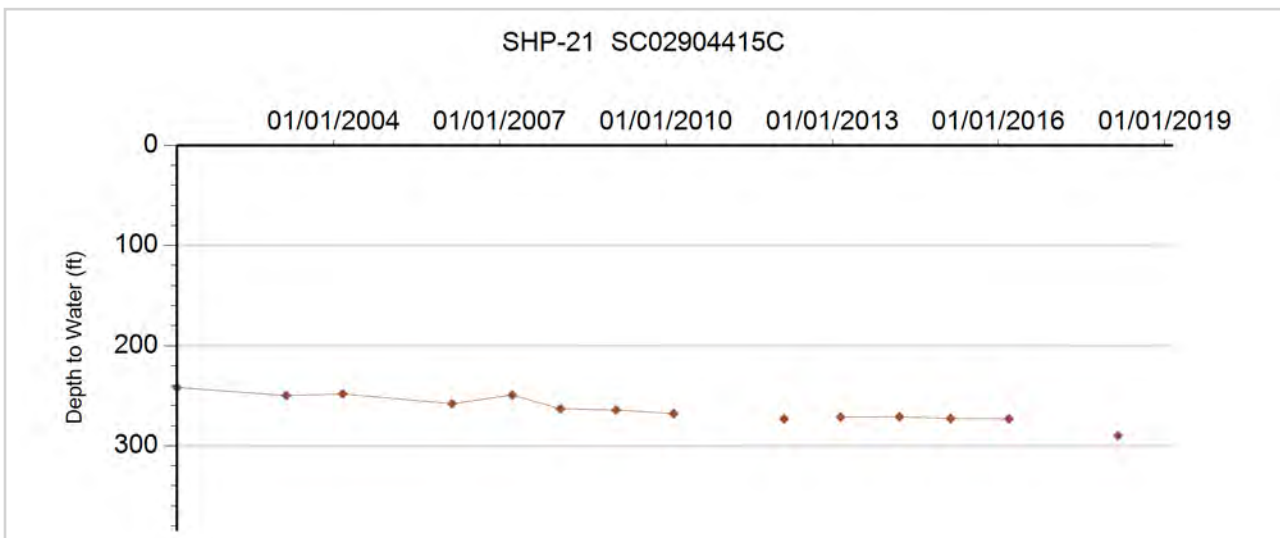
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2019			
02/28/2018	289.87	3755.13	
03/01/2017			
03/10/2016	273.08	3771.92	-0.34
02/20/2015	272.74	3772.26	-1.73
03/20/2014	271.01	3773.99	0.29
02/25/2013	271.30	3773.70	
02/24/2013			
02/18/2012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

Construction Information

Surface Elevation (ft): 4045
 Well Depth (ft): 385
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE, CHEYENNE SANDSTONE

Well Measurement Summary

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





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

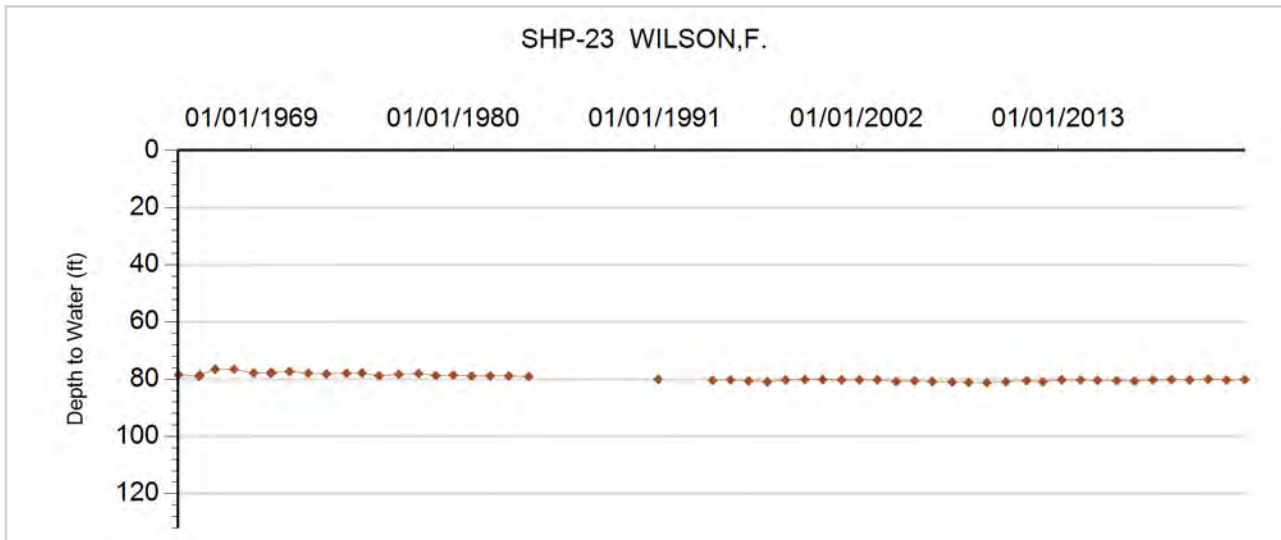
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	80.13	4301.89	0.17
03/05/2022	80.30	4301.72	-0.31
03/06/2021	79.99	4302.03	0.23
02/27/2020	80.22	4301.80	-0.10
02/28/2019	80.12	4301.90	0.12
02/28/2018	80.24	4301.78	0.45
03/01/2017	80.69	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

Construction Information

Surface Elevation (ft): 4382
 Well Depth (ft): 132
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 01/15/1965 End Date: 02/28/2023
 Number of Measurements: 56





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

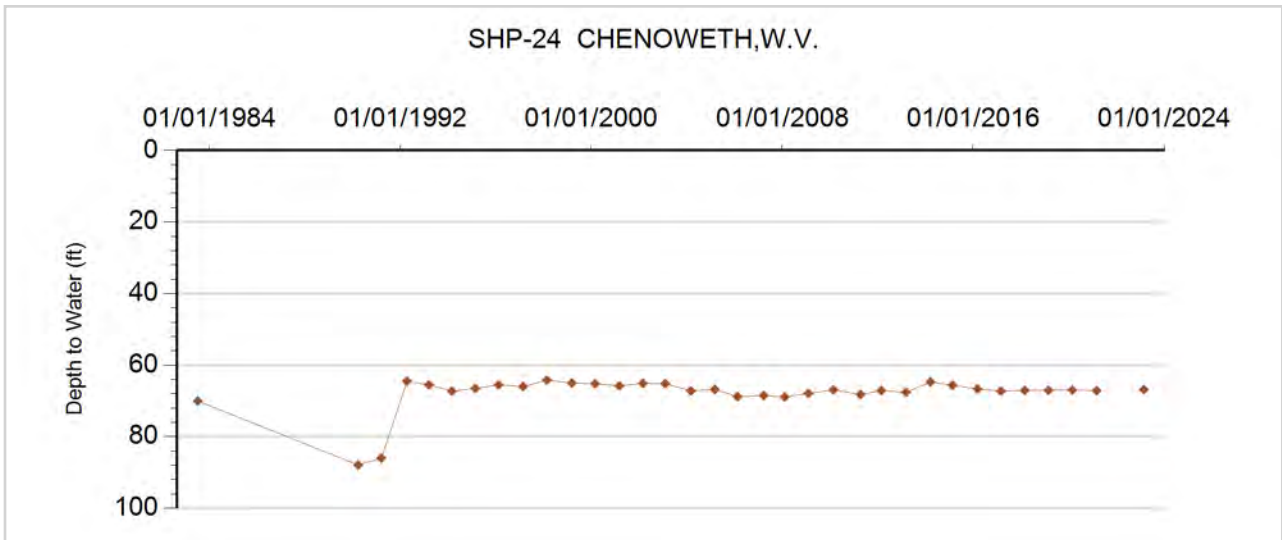
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	66.83	4313.17	
03/05/2022			
03/06/2021	67.13	4312.87	-0.15
02/27/2020	66.98	4313.02	0.04
02/28/2019	67.02	4312.98	0.04
02/28/2018	67.06	4312.94	0.22
03/01/2017	67.28	4312.72	-0.60
03/09/2016	66.68	4313.32	-1.07
02/19/2015	65.61	4314.39	-0.91
03/20/2014	64.70	4315.30	2.90

Construction Information

Surface Elevation (ft): 4380
 Well Depth (ft): 100
 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 SANDSTONE

Well Measurement Summary

Start Date: 07/01/1983 End Date: 02/28/2023
 Number of Measurements: 35





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

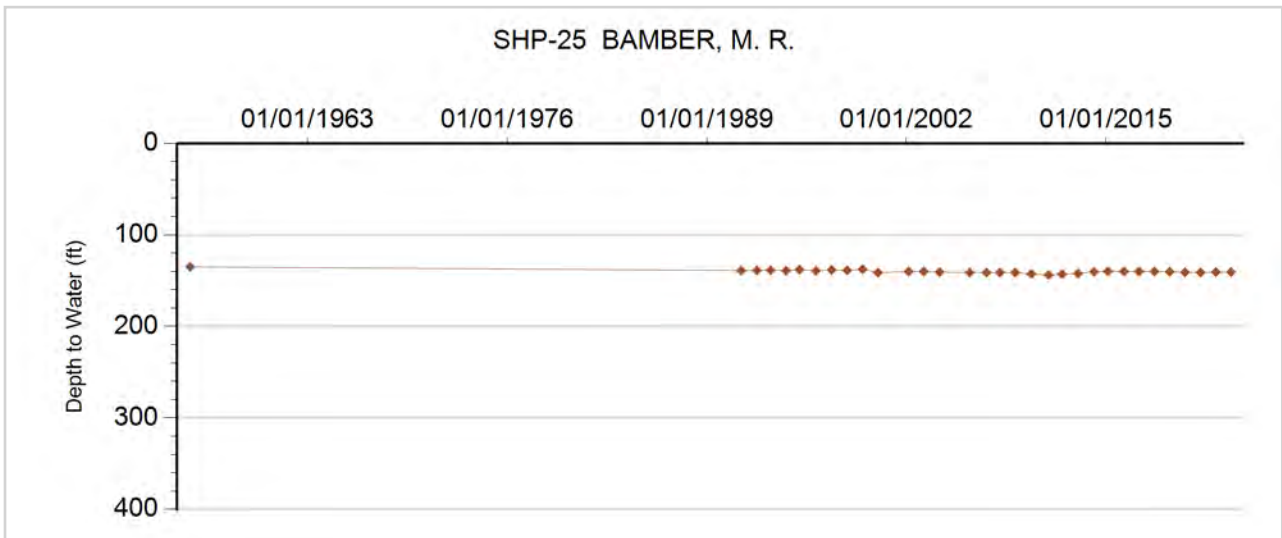
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/27/2023	140.73	4534.27	0.01
03/03/2022	140.74	4534.26	0.35
03/06/2021	141.09	4533.91	-0.14
02/27/2020	140.95	4534.05	-0.53
02/28/2019	140.42	4534.58	-0.38
02/28/2018	140.04	4534.96	-0.01
03/01/2017	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

Construction Information

Surface Elevation (ft): 4675
 Well Depth (ft): 401
 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 SANDSTONE, CHEYENNE SANDSTONE

Well Measurement Summary

Start Date: 05/05/1955 End Date: 02/27/2023
 Number of Measurements: 32





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

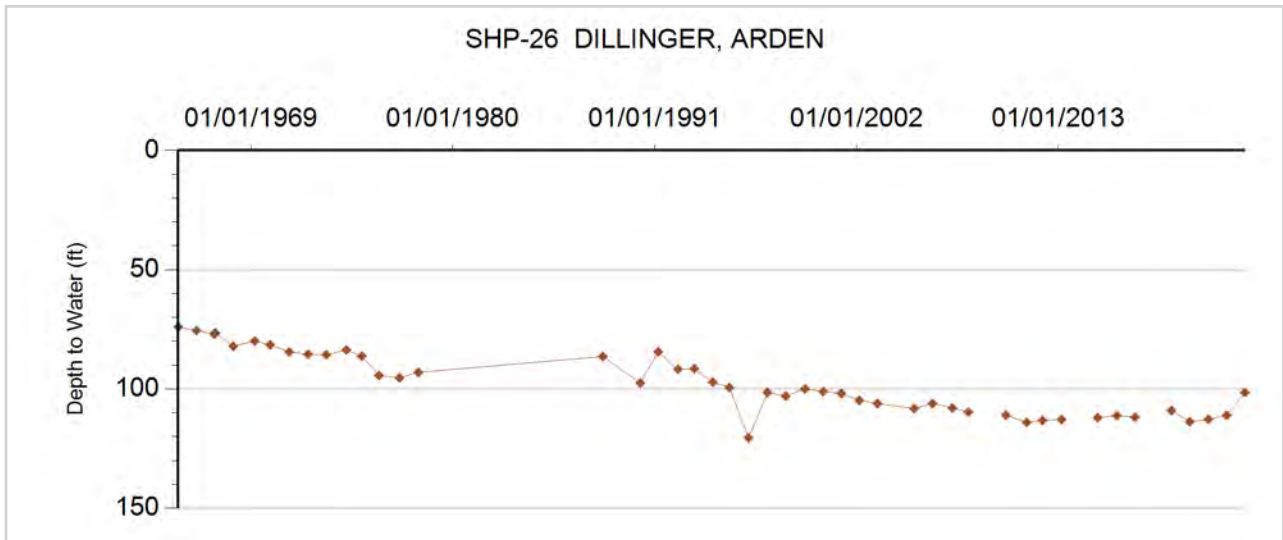
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	101.48	3584.00	9.56
03/05/2022	111.04	3574.44	1.65
03/05/2021	112.69	3572.79	1.07
02/25/2020	113.76	3571.72	-4.77
02/27/2019	108.99	3576.49	
03/01/2018			
03/01/2017	111.82	3573.66	-0.67
03/08/2016	111.15	3574.33	0.91
02/19/2015	112.06	3573.42	
03/20/2014			

Construction Information

Surface Elevation (ft): 3685
 Well Depth (ft): 150
 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: 03/01/2023
 Number of Measurements: 50





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

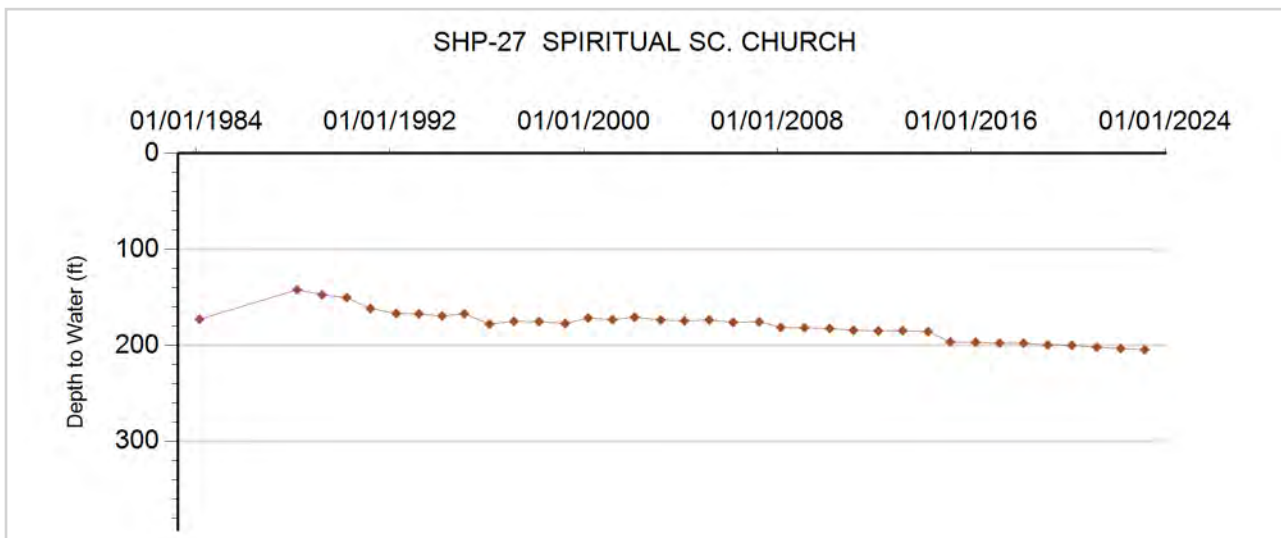
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	204.33	3625.67	-1.29
03/05/2022	203.04	3626.96	-1.38
03/05/2021	201.66	3628.34	-1.89
02/25/2020	199.77	3630.23	-0.45
02/27/2019	199.32	3630.68	-1.75
03/01/2018	197.57	3632.43	-0.08
03/01/2017	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

Construction Information

Surface Elevation (ft): 3830
 Well Depth (ft): 393
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE, CHEYENNE SANDSTONE

Well Measurement Summary

Start Date: 02/20/1984 End Date: 03/01/2023
 Number of Measurements: 37





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

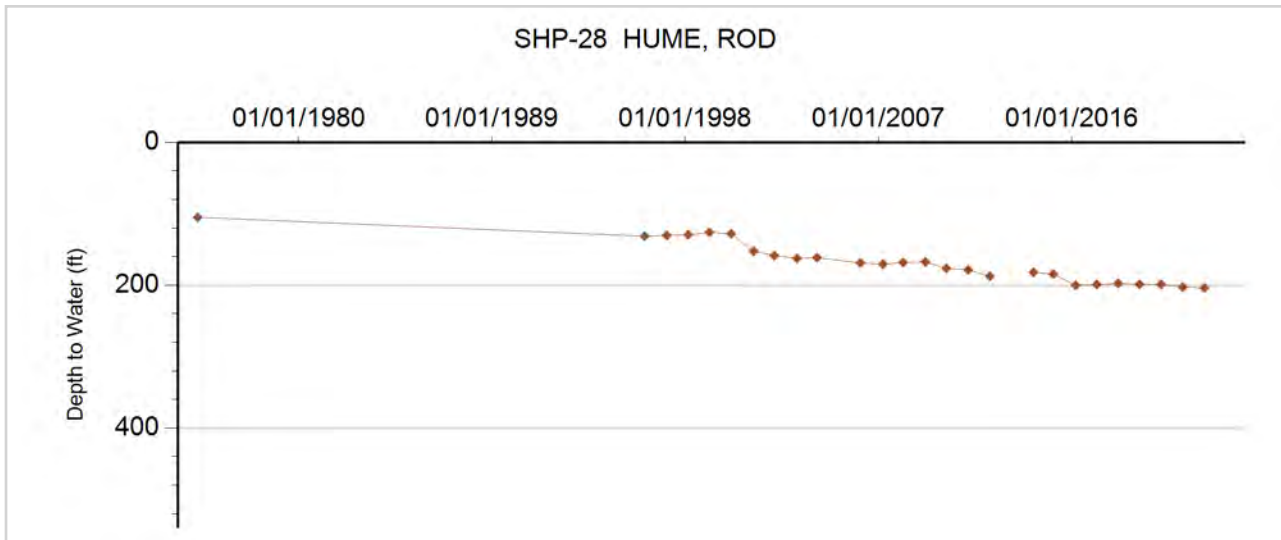
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023			
03/05/2022	203.89	3576.11	-1.19
03/05/2021	202.70	3577.30	-3.71
02/25/2020	198.99	3581.01	-0.14
02/27/2019	198.85	3581.15	-1.22
03/01/2018	197.63	3582.37	1.63
03/01/2017	199.26	3580.74	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	

Construction Information

Surface Elevation (ft): 3780
 Well Depth (ft): 540
 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 SANDSTONE, DOCKUM

Well Measurement Summary

Start Date: 04/20/1975 End Date: 03/01/2023
 Number of Measurements: 28





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

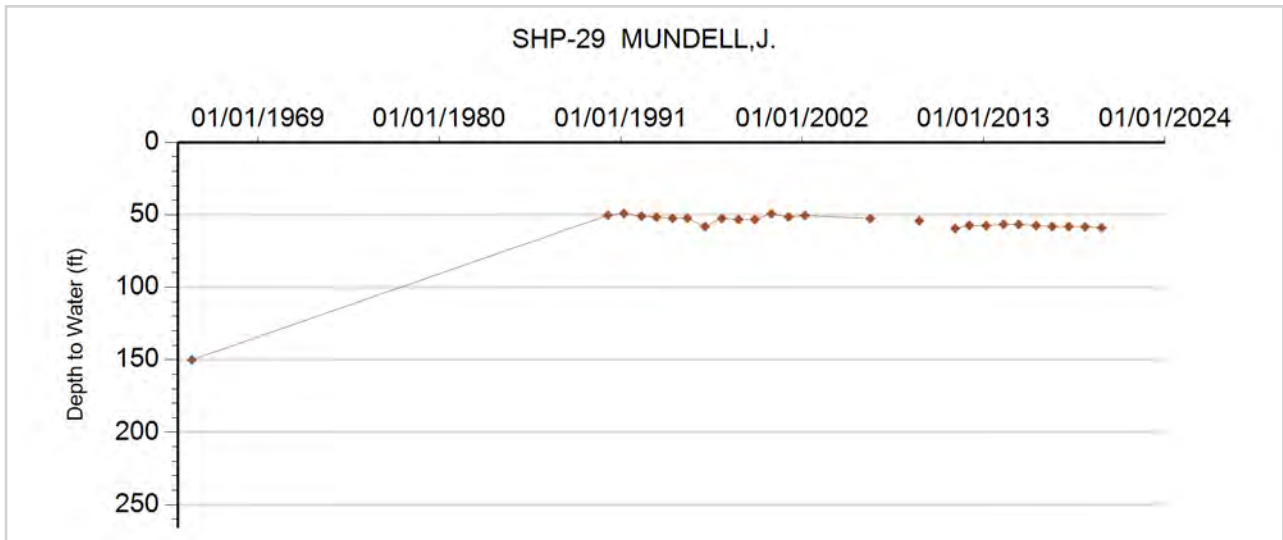
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023			
03/05/2022			
03/05/2021			
02/26/2020	58.92	3805.08	-0.65
02/27/2019	58.27	3805.73	-0.19
03/01/2018	58.08	3805.92	0.00
03/02/2017	58.08	3805.92	-0.65
03/10/2016	57.43	3806.57	-0.76
02/19/2015	56.67	3807.33	-0.08
03/20/2014	56.59	3807.41	0.91

Construction Information

Surface Elevation (ft): 3864
 Well Depth (ft): 266
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 12/30/1964 End Date: 03/01/2023
 Number of Measurements: 32





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

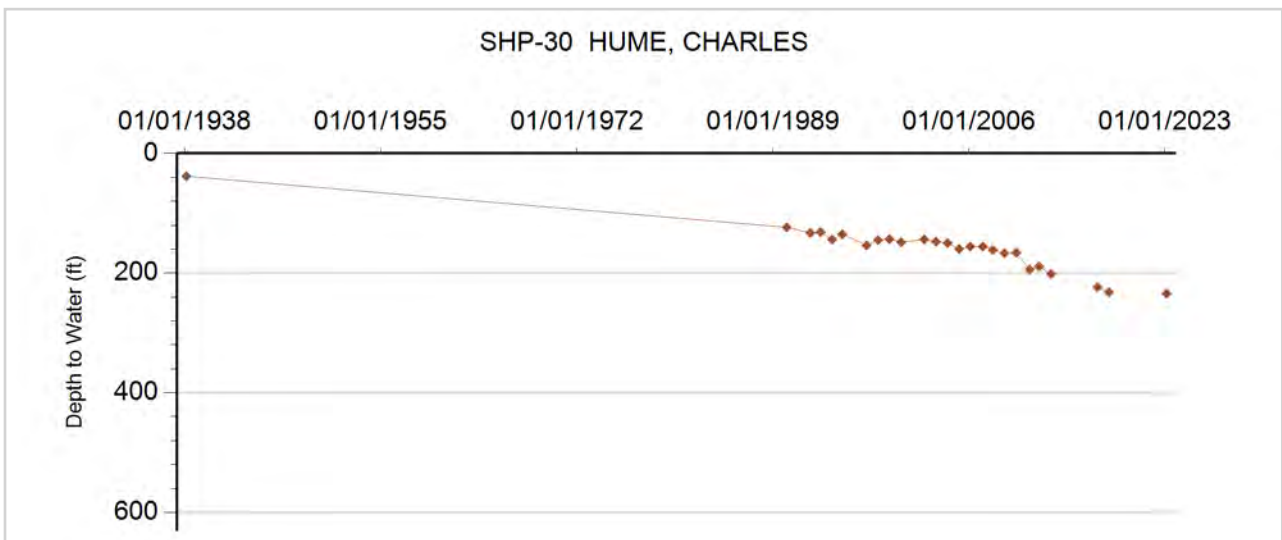
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	234.30	3688.70	
03/05/2022			
03/05/2021			
02/26/2020			
02/27/2019			
03/01/2018	232.23	3690.77	-8.63
03/02/2017	223.60	3699.40	
03/10/2016			
02/19/2015			
03/20/2014			

Construction Information

Surface Elevation (ft): 3923
 Well Depth (ft): 631
 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 SANDSTONE, CHEYENNE SANDSTONE

Well Measurement Summary

Start Date: 02/21/1938 End Date: 03/01/2023
 Number of Measurements: 32





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

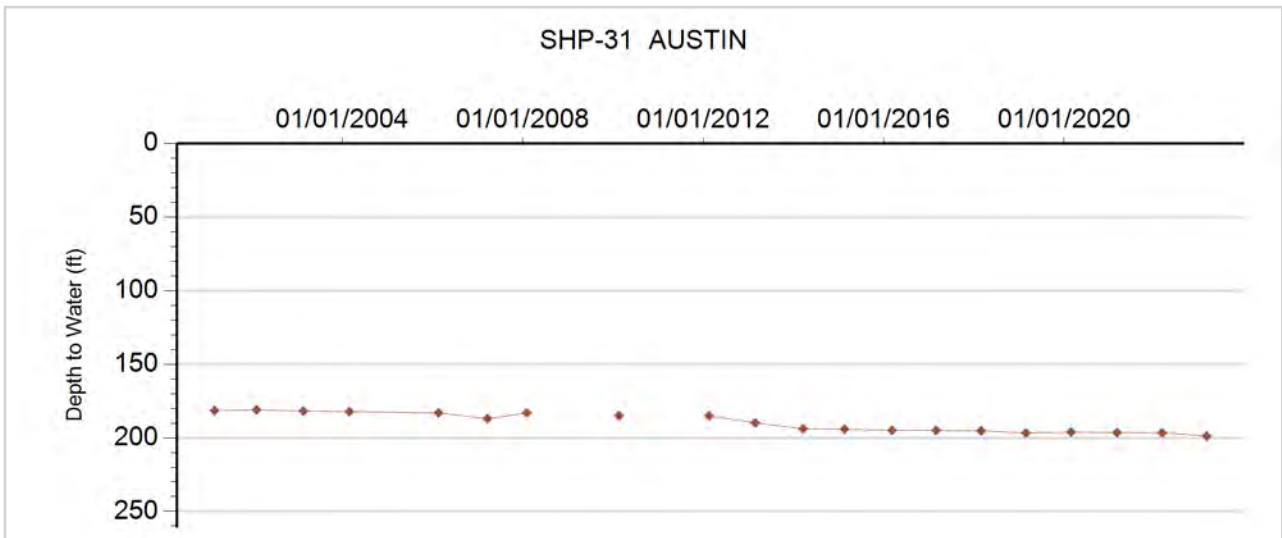
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	198.75	3851.25	-2.21
03/05/2022	196.54	3853.46	-0.07
03/05/2021	196.47	3853.53	-0.35
02/26/2020	196.12	3853.88	0.62
02/27/2019	196.74	3853.26	-1.52
02/28/2018	195.22	3854.78	-0.31
03/01/2017	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

Construction Information

Surface Elevation (ft): 4050
 Well Depth (ft): 261
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE, CHEYENNE SANDSTONE

Well Measurement Summary

Start Date: 03/04/2001 End Date: 03/01/2023
 Number of Measurements: 22





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

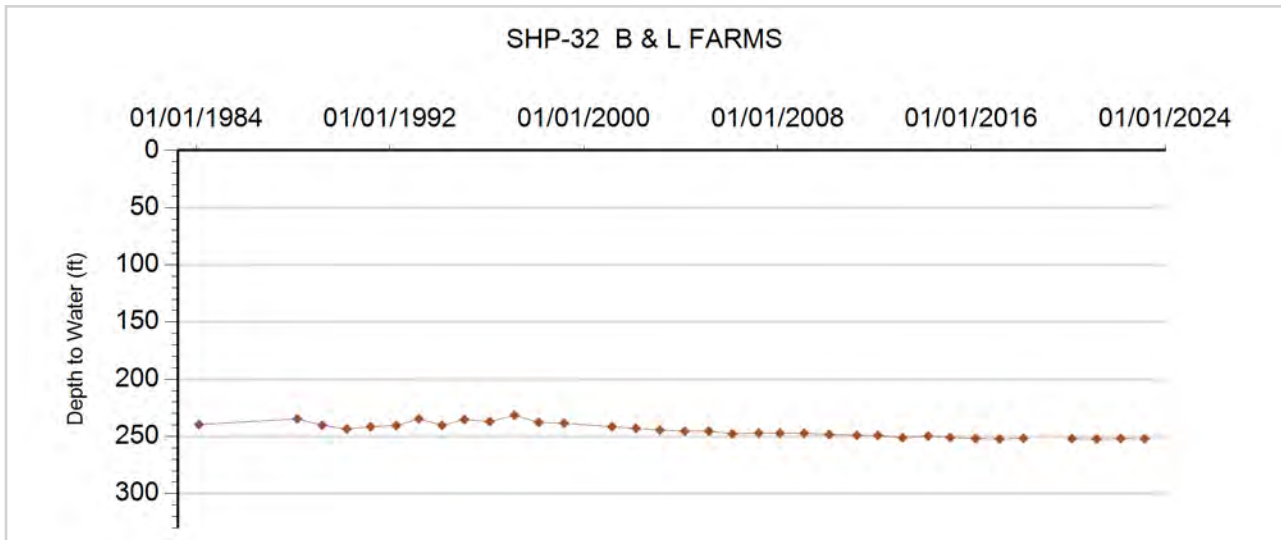
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	252.06	3895.94	-0.21
03/05/2022	251.85	3896.15	0.34
03/05/2021	252.19	3895.81	-0.27
02/26/2020	251.92	3896.08	
02/27/2019			
02/28/2018	251.67	3896.33	0.51
03/01/2017	252.18	3895.82	-0.36
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

Construction Information

Surface Elevation (ft): 4148
 Well Depth (ft): 330
 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 SANDSTONE

Well Measurement Summary

Start Date: 02/09/1984 End Date: 03/01/2023
 Number of Measurements: 36





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

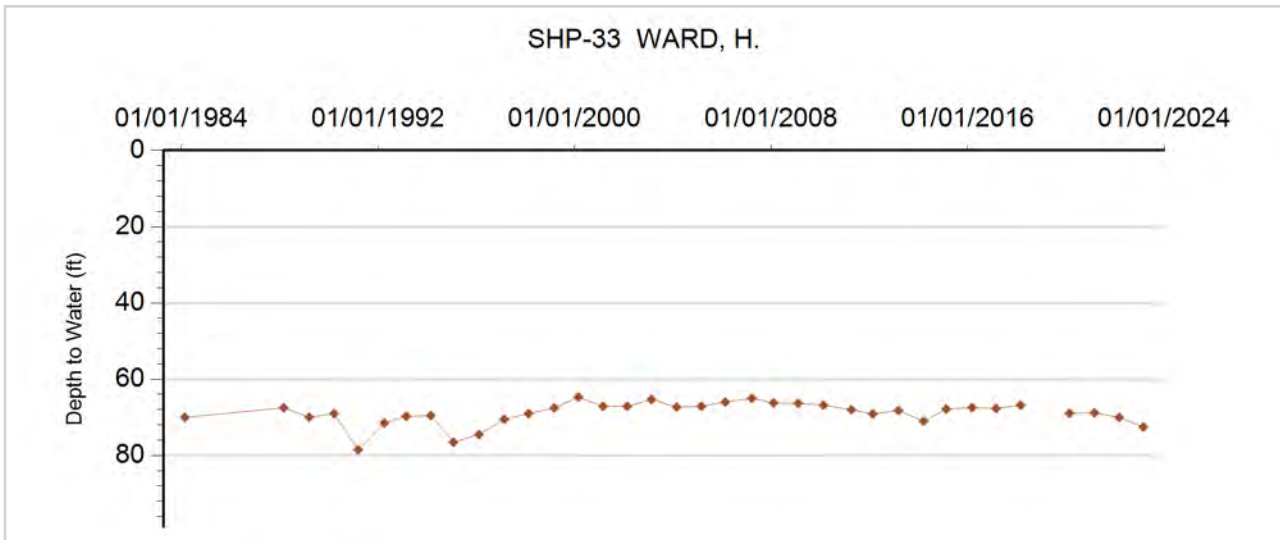
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	72.52	4165.48	-2.50
03/05/2022	70.02	4167.98	-1.22
03/05/2021	68.80	4169.20	0.12
02/26/2020	68.92	4169.08	
02/27/2019			
03/01/2018	66.80	4171.20	0.85
03/01/2017	67.65	4170.35	-0.21
03/10/2016	67.44	4170.56	0.37
02/20/2015	67.81	4170.19	3.18
03/21/2014	70.99	4167.01	-2.79

Construction Information

Surface Elevation (ft): 4238
 Well Depth (ft): 99
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 02/21/1984 End Date: 03/01/2023
 Number of Measurements: 37





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

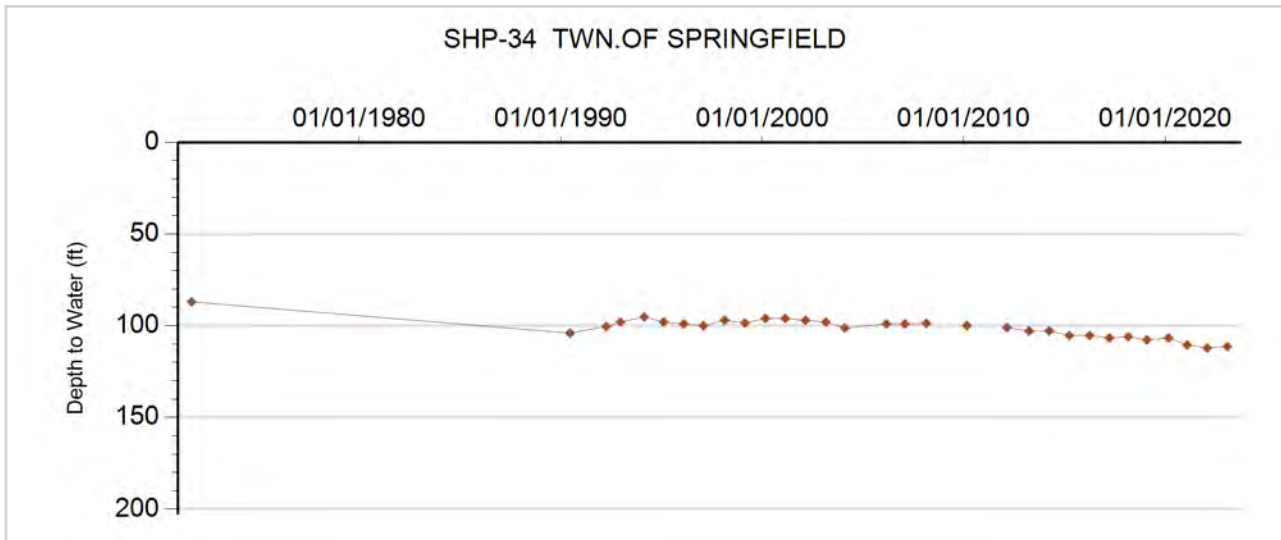
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/01/2023	111.33	4280.67	0.81
02/01/2022	112.14	4279.86	-1.64
02/01/2021	110.50	4281.50	-3.87
02/28/2020	106.63	4285.37	1.04
02/04/2019	107.67	4284.33	-1.71
02/28/2018	105.96	4286.04	0.71
03/27/2017	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

Construction Information

Surface Elevation (ft): 4392
 Well Depth (ft): 203
 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 SANDSTONE

Well Measurement Summary

Start Date: 09/14/1971 End Date: 02/01/2023
 Number of Measurements: 33





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

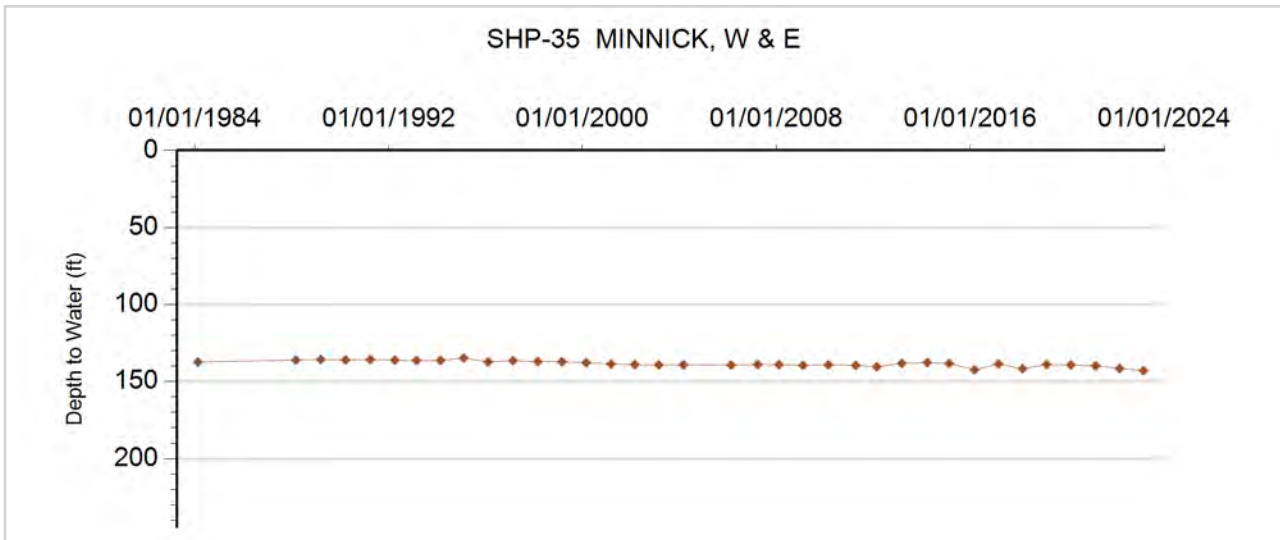
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/27/2023	142.90	4529.10	-1.42
03/03/2022	141.48	4530.52	-1.69
03/06/2021	139.79	4532.21	-0.61
02/27/2020	139.18	4532.82	-0.27
02/28/2019	138.91	4533.09	2.74
02/28/2018	141.65	4530.35	-3.06
03/01/2017	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

Construction Information

Surface Elevation (ft): 4672
 Well Depth (ft): 245
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 02/17/1984 End Date: 02/27/2023
 Number of Measurements: 36





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

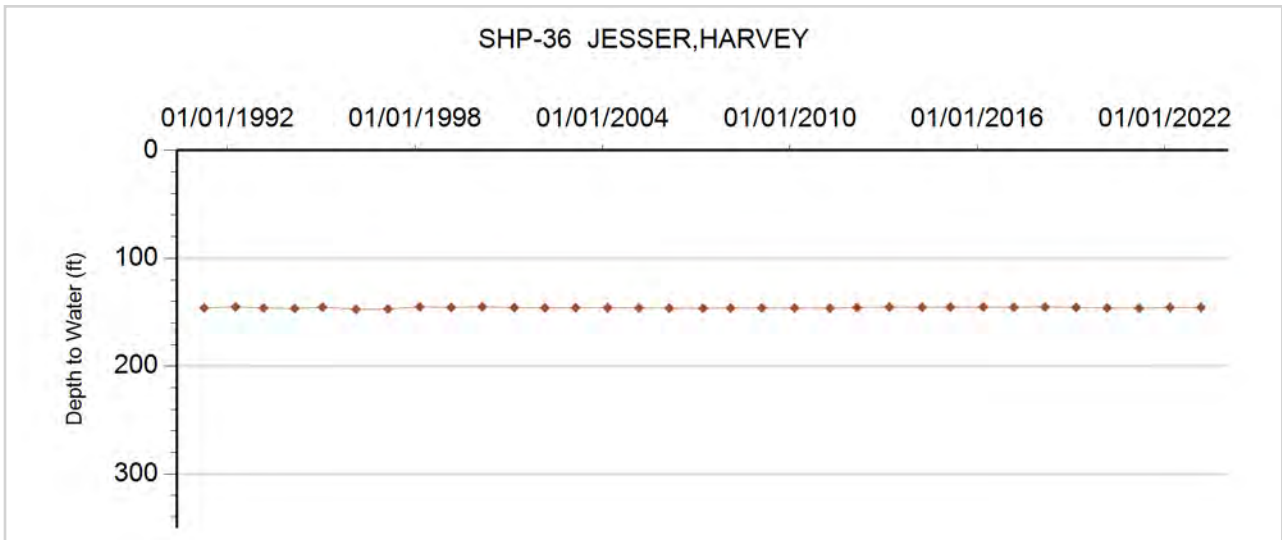
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/27/2023	145.57	4634.43	-0.02
03/03/2022	145.55	4634.45	0.75
03/06/2021	146.30	4633.70	-0.26
02/27/2020	146.04	4633.96	-0.52
02/28/2019	145.52	4634.48	-0.41
02/28/2018	145.11	4634.89	0.26
03/01/2017	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

Construction Information

Surface Elevation (ft): 4780
 Well Depth (ft): 350
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): CHEYENNE SANDSTONE

Well Measurement Summary

Start Date: 04/02/1991 End Date: 02/27/2023
 Number of Measurements: 33





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)
02/28/2023			
03/05/2022	288.59	3531.41	-2.89
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			

Construction Information

Surface Elevation (ft): 3820
 Well Depth (ft): 412
 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: 02/28/2023
 Number of Measurements: 25





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

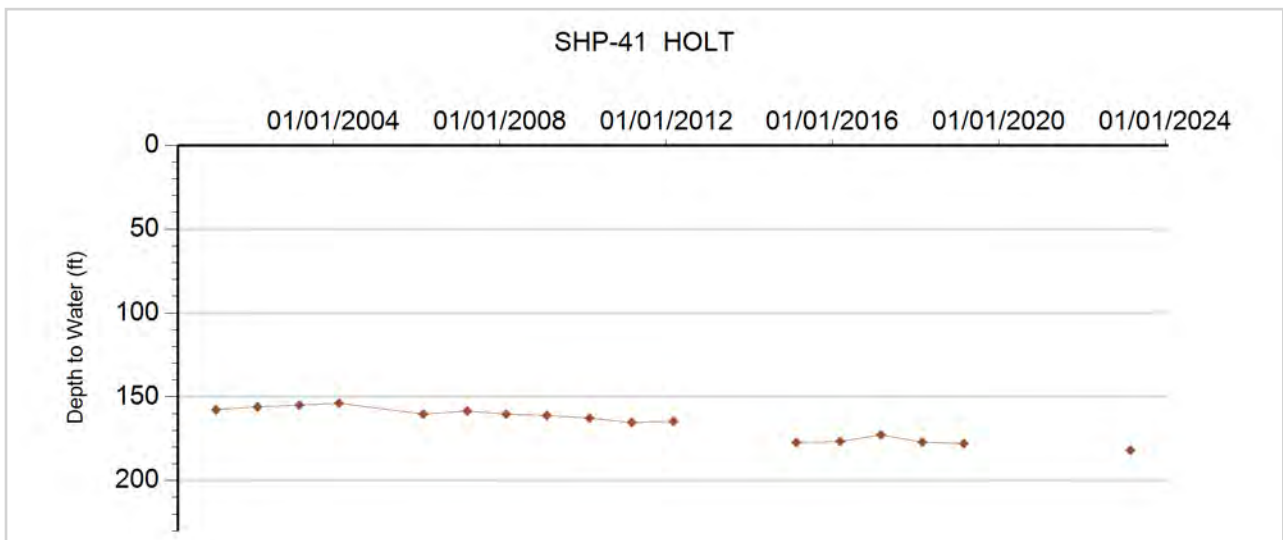
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	181.85	3786.79	
03/05/2022			
03/05/2021			
02/26/2020			
02/27/2019	177.86	3790.78	-0.80
02/28/2018	177.06	3791.58	-4.36
03/01/2017	172.70	3795.94	3.89
03/08/2016	176.59	3792.05	0.60
02/18/2015	177.19	3791.45	
03/19/2014			

Construction Information

Surface Elevation (ft): 3969
 Well Depth (ft): 230
 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 SANDSTONE

Well Measurement Summary

Start Date: 03/07/2001 End Date: 03/01/2023
 Number of Measurements: 22





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

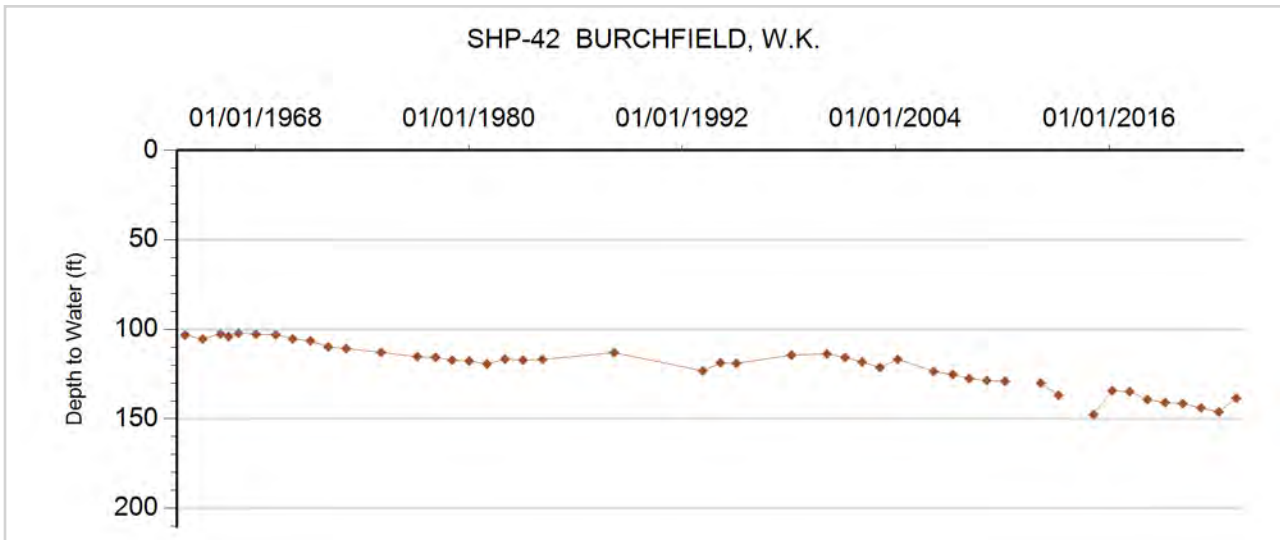
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	138.42	3783.14	7.73
03/05/2022	146.15	3775.41	-2.22
03/05/2021	143.93	3777.63	-2.47
02/26/2020	141.46	3780.10	-0.55
02/27/2019	140.91	3780.65	-1.64
02/28/2018	139.27	3782.29	-4.45
03/01/2017	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			

Construction Information

Surface Elevation (ft): 3922
 Well Depth (ft): 211
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 01/15/1964 End Date: 02/28/2023
 Number of Measurements: 48





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

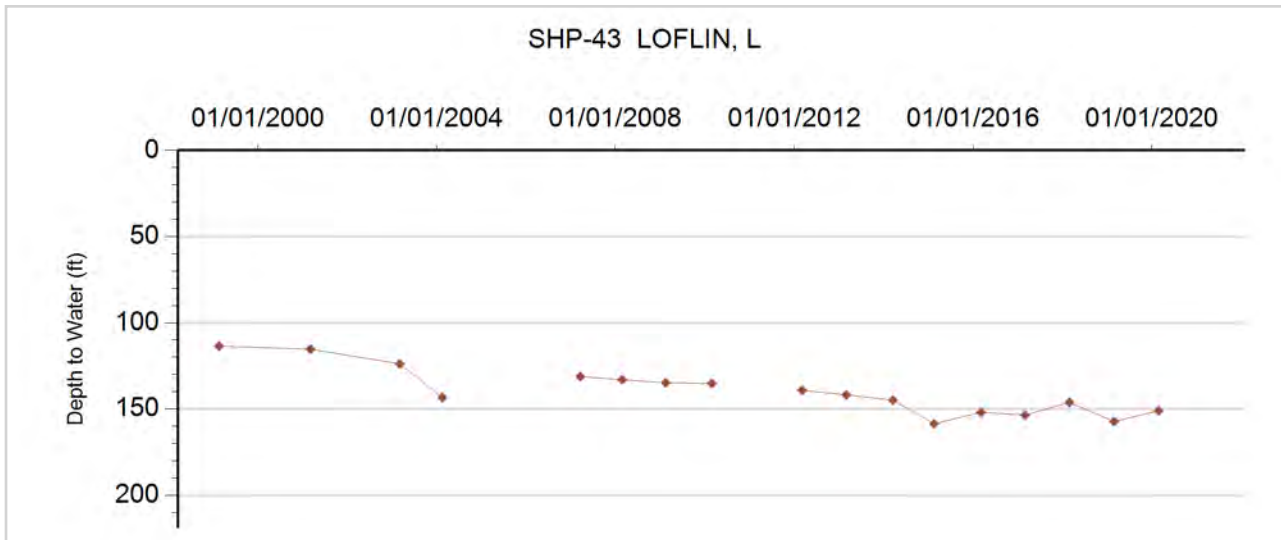
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2021			
02/26/2020	150.96	3881.63	6.26
02/27/2019	157.22	3875.37	-11.08
02/28/2018	146.14	3886.45	7.39
03/01/2017	153.53	3879.06	-1.61
03/08/2016	151.92	3880.67	6.69
02/18/2015	158.61	3873.98	-13.72
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): 4033
 Well Depth (ft): 219
 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

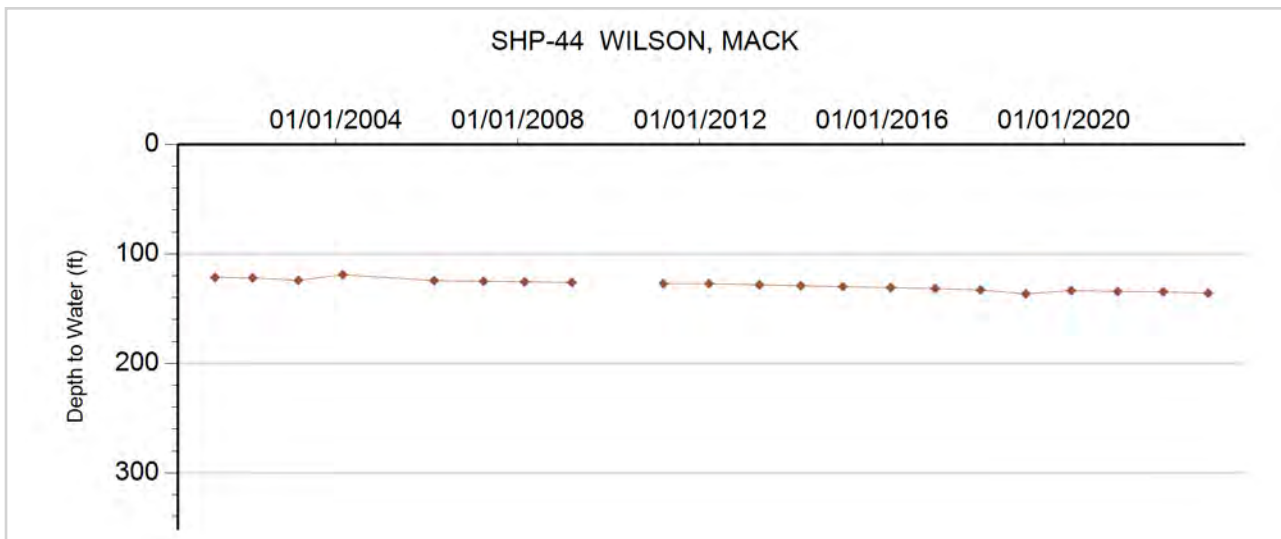
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	135.90	4073.15	-1.26
03/05/2022	134.64	4074.41	-0.36
03/05/2021	134.28	4074.77	-0.78
02/26/2020	133.50	4075.55	2.96
02/27/2019	136.46	4072.59	-3.54
03/01/2018	132.92	4076.13	-1.21
03/01/2017	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

Construction Information

Surface Elevation (ft): 4209
 Well Depth (ft): 352
 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 SANDSTONE

Well Measurement Summary

Start Date: 05/07/2001 End Date: 03/01/2023
 Number of Measurements: 22





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

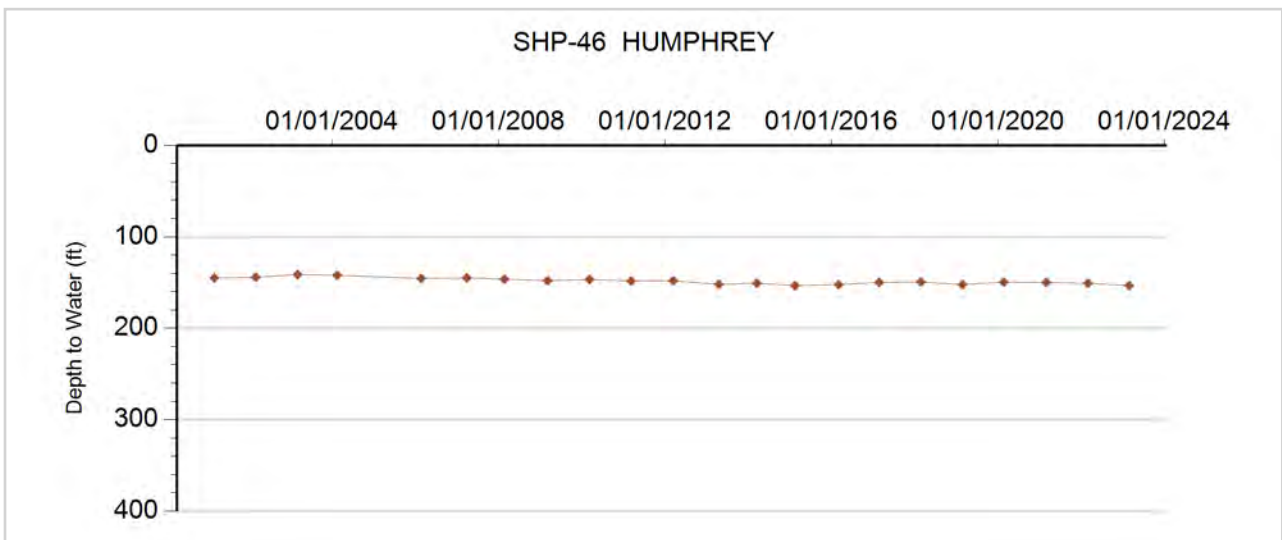
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	153.35	4278.65	-2.55
03/04/2022	150.80	4281.20	-0.93
03/04/2021	149.87	4282.13	-0.28
02/24/2020	149.59	4282.41	2.61
02/26/2019	152.20	4279.80	-2.78
02/27/2018	149.42	4282.58	0.47
02/27/2017	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

Construction Information

Surface Elevation (ft): 4432
 Well Depth (ft): 400
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE, CHEYENNE SANDSTONE

Well Measurement Summary

Start Date: 03/07/2001 End Date: 02/28/2023
 Number of Measurements: 22





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

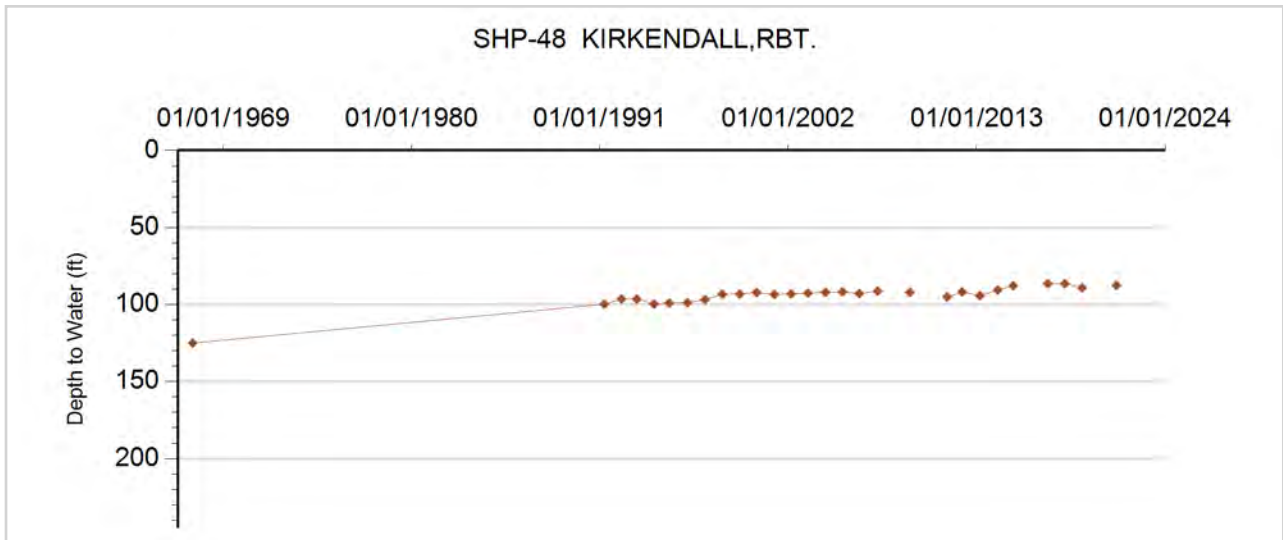
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/27/2023			
03/03/2022			
03/04/2021	87.55	4650.45	
02/27/2020			
02/28/2019	89.18	4648.82	-2.73
02/26/2018	86.45	4651.55	0.05
02/27/2017	86.50	4651.50	
03/08/2016			
02/18/2015	87.83	4650.17	2.75
03/25/2014	90.58	4647.42	3.72

Construction Information

Surface Elevation (ft): 4738
 Well Depth (ft): 245
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 03/16/1967 End Date: 02/27/2023
 Number of Measurements: 34





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

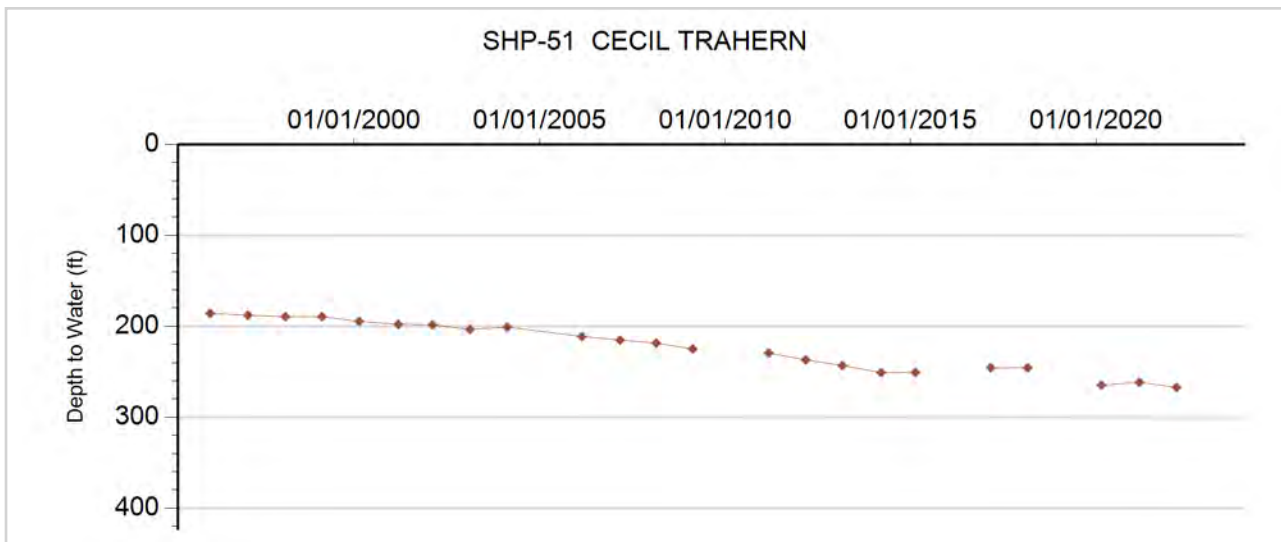
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023			
03/05/2022	267.20	3832.80	-5.54
03/05/2021	261.66	3838.34	3.10
02/26/2020	264.76	3835.24	
02/27/2019			
02/28/2018	245.70	3854.30	0.13
03/01/2017	245.83	3854.17	
03/08/2016			
02/18/2015	250.79	3849.21	0.22
03/19/2014	251.01	3848.99	-7.81

Construction Information

Surface Elevation (ft): 4100
 Well Depth (ft): 424
 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: 02/28/2023
 Number of Measurements: 27





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

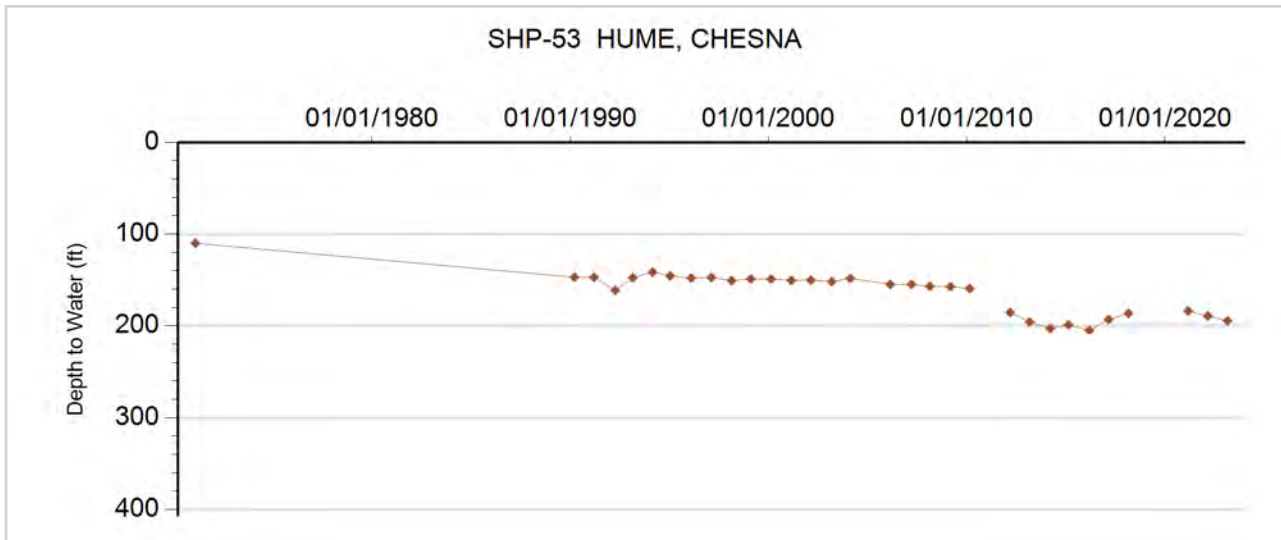
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	194.54	3566.19	-5.17
03/04/2022	189.37	3571.36	-5.66
03/05/2021	183.71	3577.02	
02/25/2020			
02/26/2019			
02/28/2018	186.55	3574.18	6.44
02/28/2017	192.99	3567.74	11.95
03/08/2016	204.94	3555.79	-6.00
02/18/2015	198.94	3561.79	3.82
03/19/2014	202.76	3557.97	-7.06

Construction Information

Surface Elevation (ft): 3761
 Well Depth (ft): 408
 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 SANDSTONE

Well Measurement Summary

Start Date: 02/04/1971 End Date: 02/28/2023
 Number of Measurements: 34





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

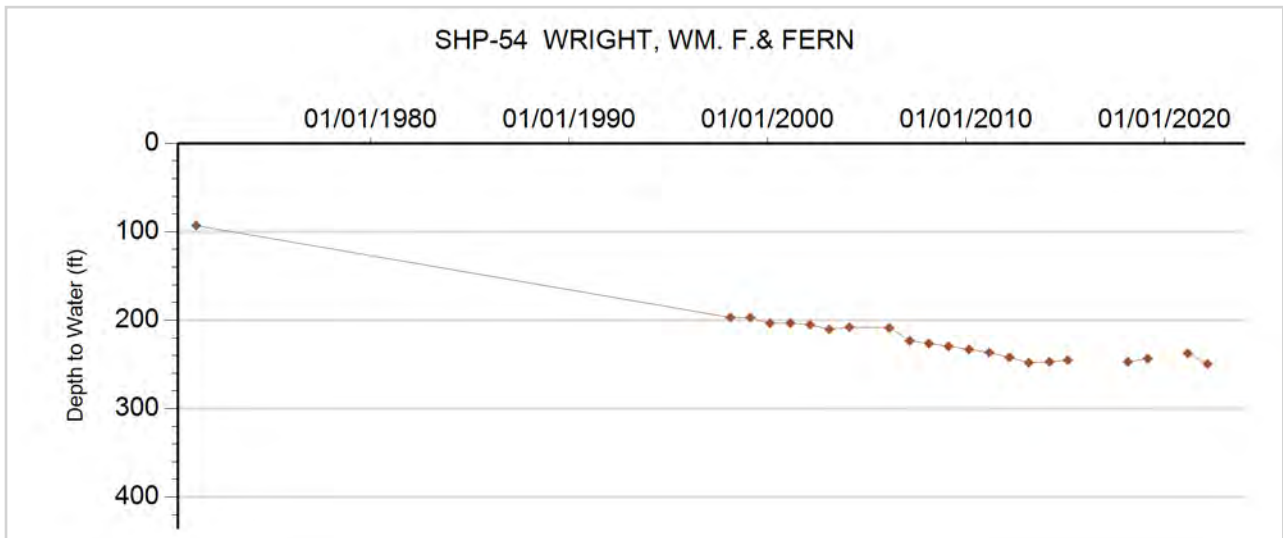
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023			
03/05/2022	249.48	3588.52	-12.08
03/05/2021	237.40	3600.60	
02/26/2020			
02/27/2019	243.38	3594.62	3.67
02/28/2018	247.05	3590.95	
03/01/2017			
03/08/2016			
02/18/2015	245.14	3592.86	1.89
03/19/2014	247.03	3590.97	0.97

Construction Information

Surface Elevation (ft): 3838
 Well Depth (ft): 436
 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: 02/28/2023
 Number of Measurements: 26





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

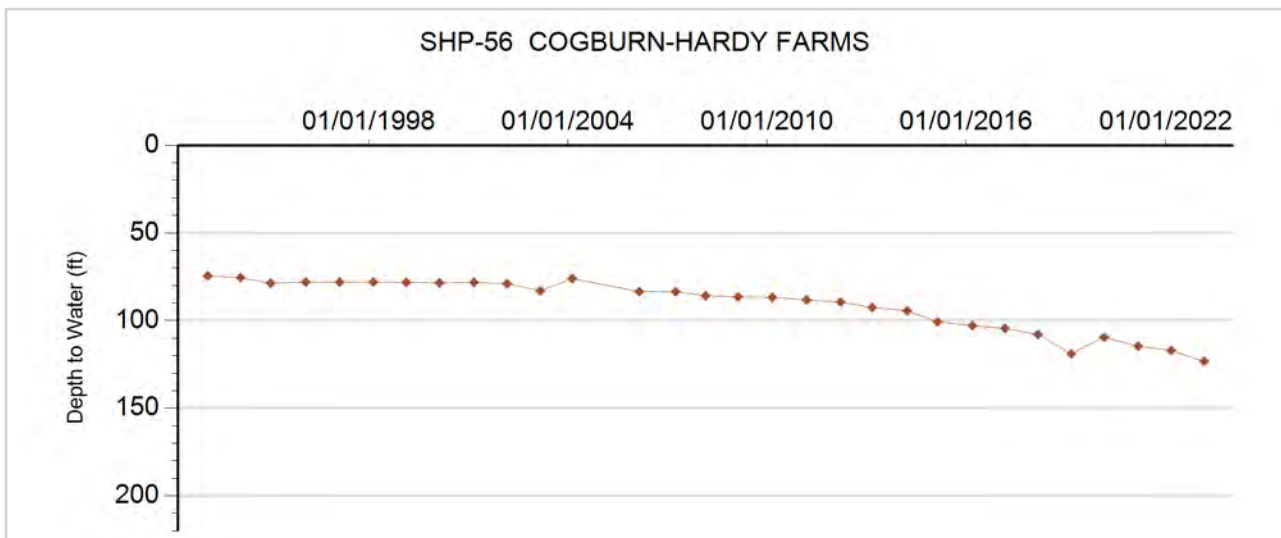
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	123.23	4005.47	-6.20
03/04/2022	117.03	4011.67	-2.41
03/04/2021	114.62	4014.08	-5.15
02/25/2020	109.47	4019.23	9.46
02/26/2019	118.93	4009.77	-11.05
02/27/2018	107.88	4020.82	-3.48
02/28/2017	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

Construction Information

Surface Elevation (ft): 4129
 Well Depth (ft): 220
 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 SANDSTONE

Well Measurement Summary

Start Date: 02/28/1993 End Date: 02/28/2023
 Number of Measurements: 30





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

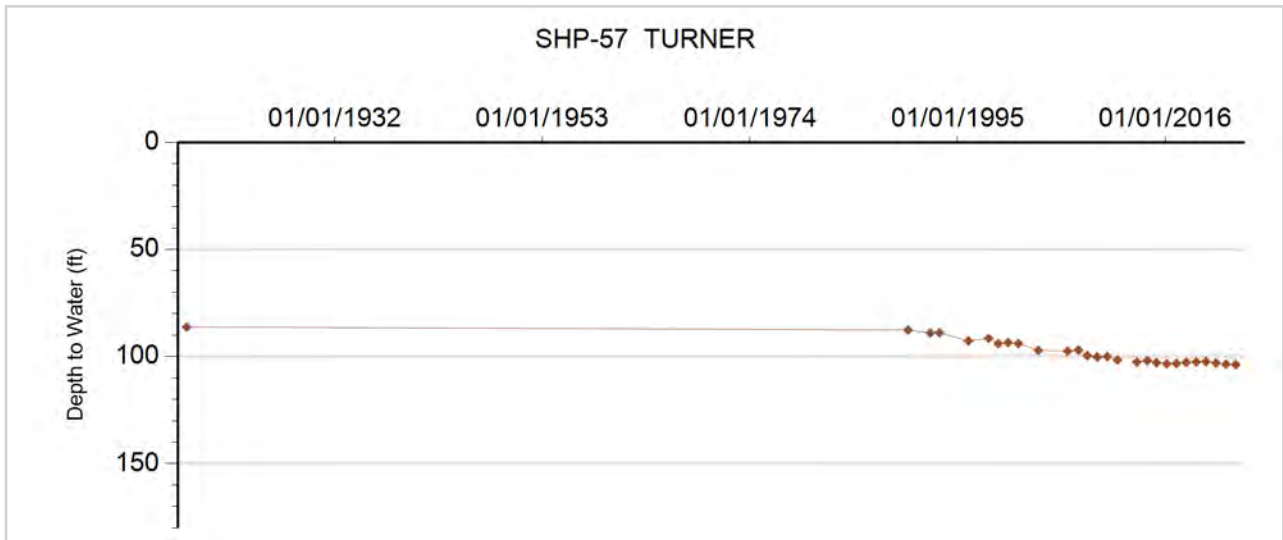
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	103.74	4075.61	-0.12
03/04/2022	103.62	4075.73	-0.59
03/04/2021	103.03	4076.32	-0.65
02/25/2020	102.38	4076.97	0.14
02/26/2019	102.52	4076.83	0.18
02/27/2018	102.70	4076.65	0.51
02/28/2017	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

Construction Information

Surface Elevation (ft): 4179
 Well Depth (ft): 180
 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: 02/28/2023
 Number of Measurements: 28





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

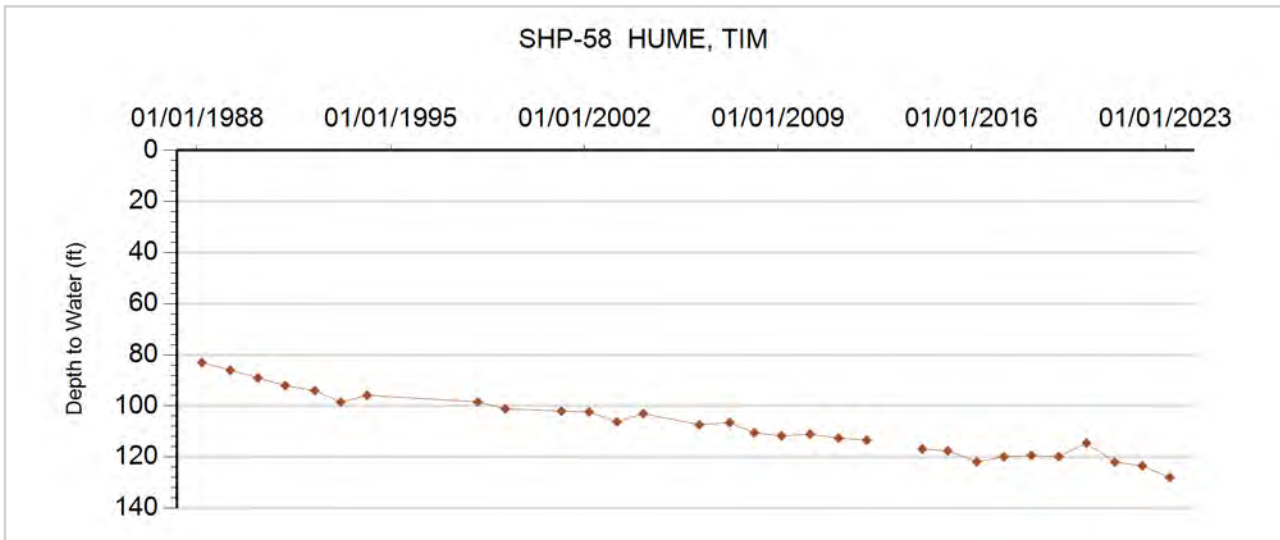
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	127.97	4056.86	-4.54
03/04/2022	123.43	4061.40	-1.52
03/04/2021	121.91	4062.92	-7.42
02/25/2020	114.49	4070.34	5.28
02/26/2019	119.77	4065.06	-0.39
02/27/2018	119.38	4065.45	0.47
02/28/2017	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	

Construction Information

Surface Elevation (ft): 4185
 Well Depth (ft): 140
 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: 02/28/2023
 Number of Measurements: 31





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

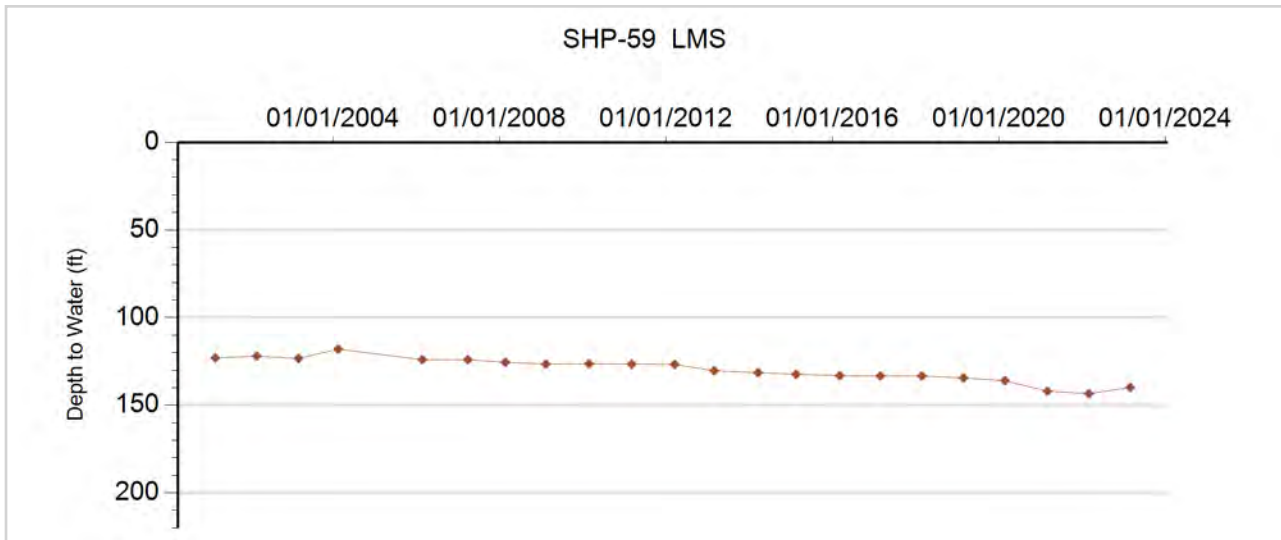
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	139.85	4203.47	3.54
03/04/2022	143.39	4199.93	-1.41
03/04/2021	141.98	4201.34	-6.00
02/25/2020	135.98	4207.34	-1.56
02/26/2019	134.42	4208.90	-1.13
02/27/2018	133.29	4210.03	-0.02
02/28/2017	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

Construction Information

Surface Elevation (ft): 4343
 Well Depth (ft): 220
 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: 02/28/2023
 Number of Measurements: 22





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

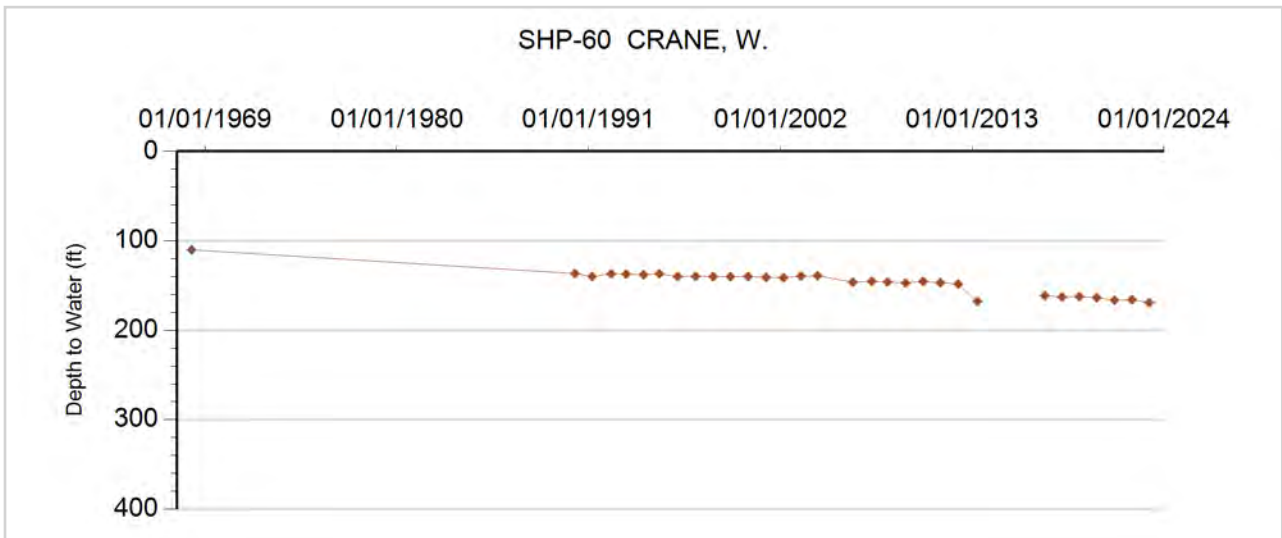
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	169.13	4234.87	-3.36
03/04/2022	165.77	4238.23	0.48
03/04/2021	166.25	4237.75	-2.73
02/25/2020	163.52	4240.48	-1.32
02/26/2019	162.20	4241.80	0.41
02/27/2018	162.61	4241.39	-1.38
02/28/2017	161.23	4242.77	
03/09/2016			
02/19/2015			
03/20/2014			

Construction Information

Surface Elevation (ft): 4404
 Well Depth (ft): 400
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE, CHEYENNE SANDSTONE

Well Measurement Summary

Start Date: 03/27/1968 End Date: 02/28/2023
 Number of Measurements: 34





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

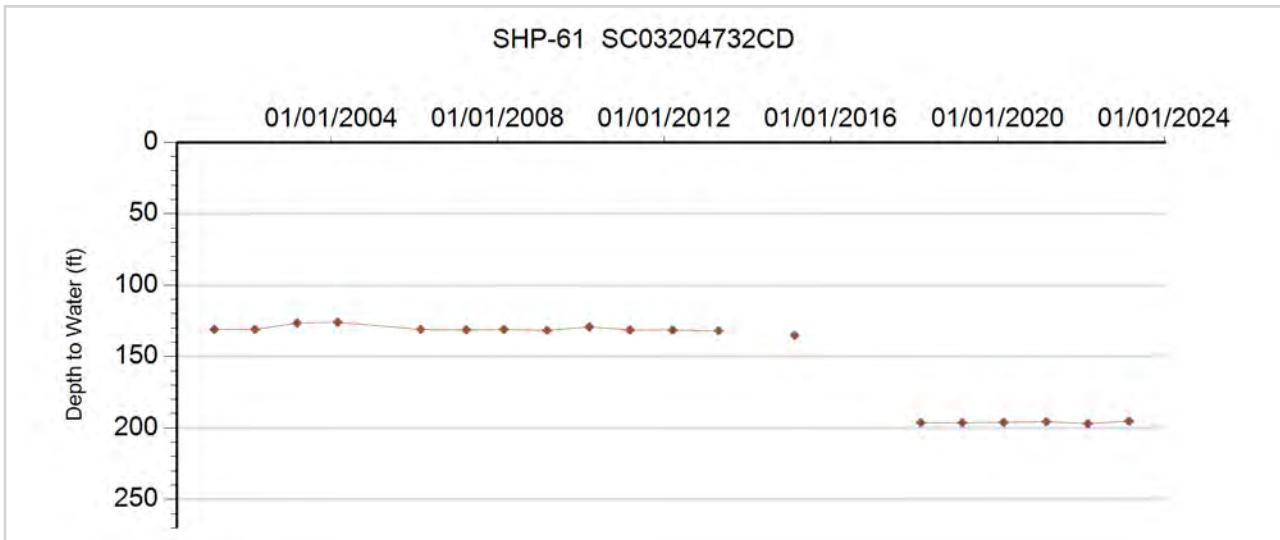
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/27/2023	195.22	4379.78	1.72
03/03/2022	196.94	4378.06	-1.35
03/04/2021	195.59	4379.41	0.47
02/24/2020	196.06	4378.94	0.33
02/26/2019	196.39	4378.61	-0.04
02/27/2018	196.35	4378.65	
02/27/2017			
03/08/2016			
02/18/2015	135.14	4439.86	
03/26/2014			

Construction Information

Surface Elevation (ft): 4575
 Well Depth (ft): 270
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 03/13/2001 End Date: 02/27/2023
 Number of Measurements: 22





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

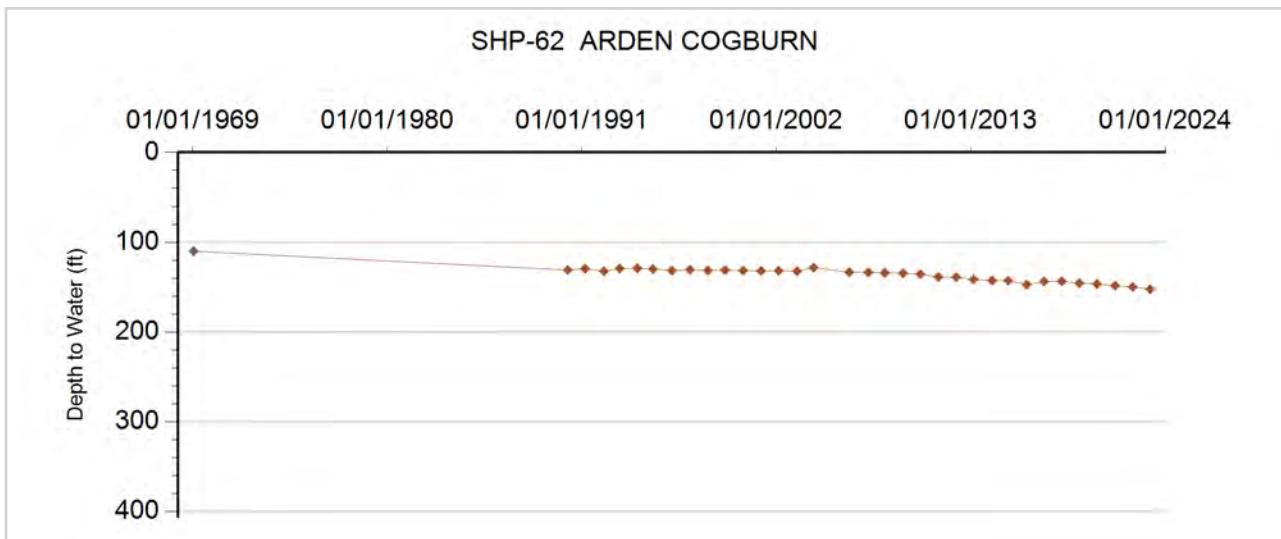
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	152.34	3602.66	-2.43
03/04/2022	149.91	3605.09	-1.51
03/05/2021	148.40	3606.60	-1.95
02/25/2020	146.45	3608.55	-0.90
02/26/2019	145.55	3609.45	-2.10
02/27/2018	143.45	3611.55	0.37
02/28/2017	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

Construction Information

Surface Elevation (ft): 3755
 Well Depth (ft): 407
 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: 02/28/2023
 Number of Measurements: 34





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

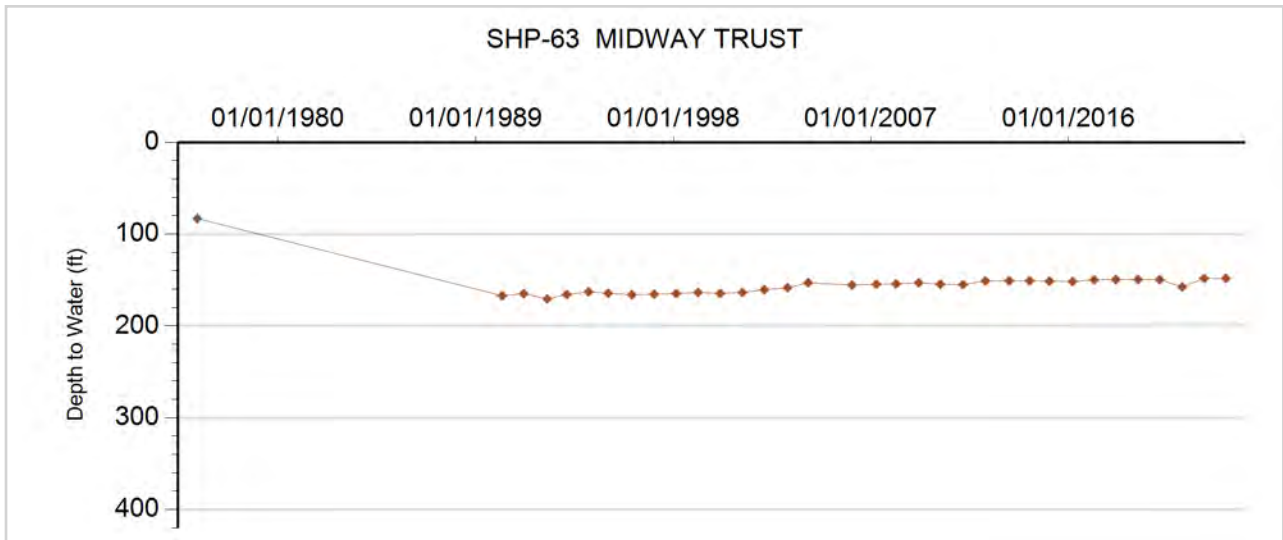
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	148.11	3731.89	0.14
03/04/2022	148.25	3731.75	9.20
03/05/2021	157.45	3722.55	-7.82
02/25/2020	149.63	3730.37	-0.17
02/26/2019	149.46	3730.54	-0.07
02/27/2018	149.39	3730.61	0.38
02/28/2017	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

Construction Information

Surface Elevation (ft): 3880
 Well Depth (ft): 420
 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: 02/28/2023
 Number of Measurements: 34





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

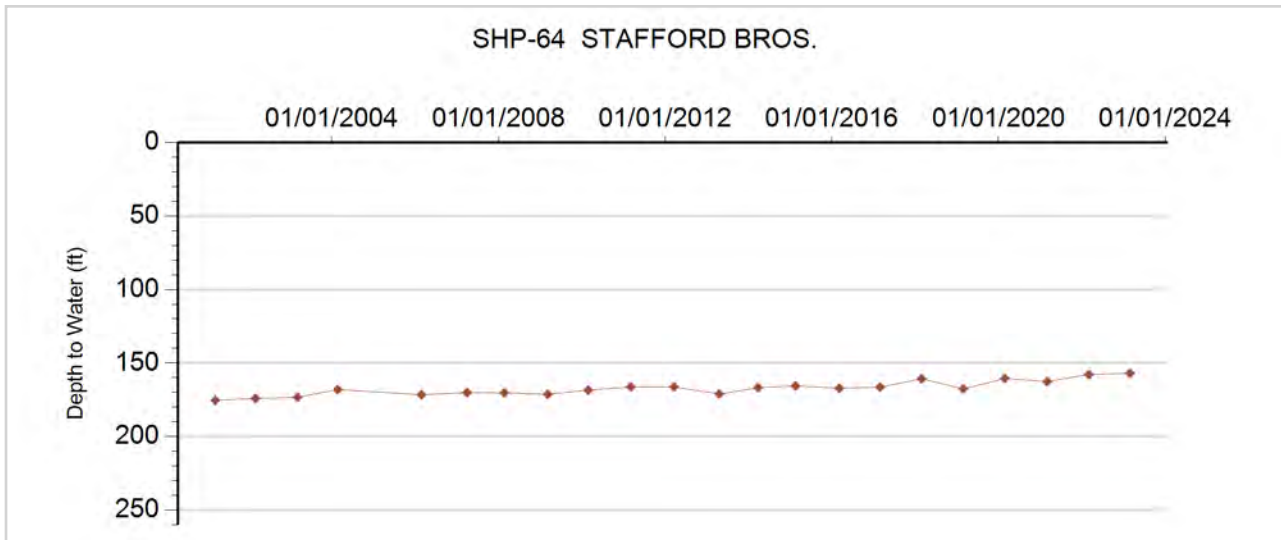
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	156.90	3828.10	0.84
03/04/2022	157.74	3827.26	4.82
03/04/2021	162.56	3822.44	-2.12
02/25/2020	160.44	3824.56	7.09
02/26/2019	167.53	3817.47	-6.86
02/27/2018	160.67	3824.33	5.65
02/28/2017	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

Construction Information

Surface Elevation (ft): 3985
 Well Depth (ft): 260
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 03/16/2001 End Date: 02/28/2023
 Number of Measurements: 22





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

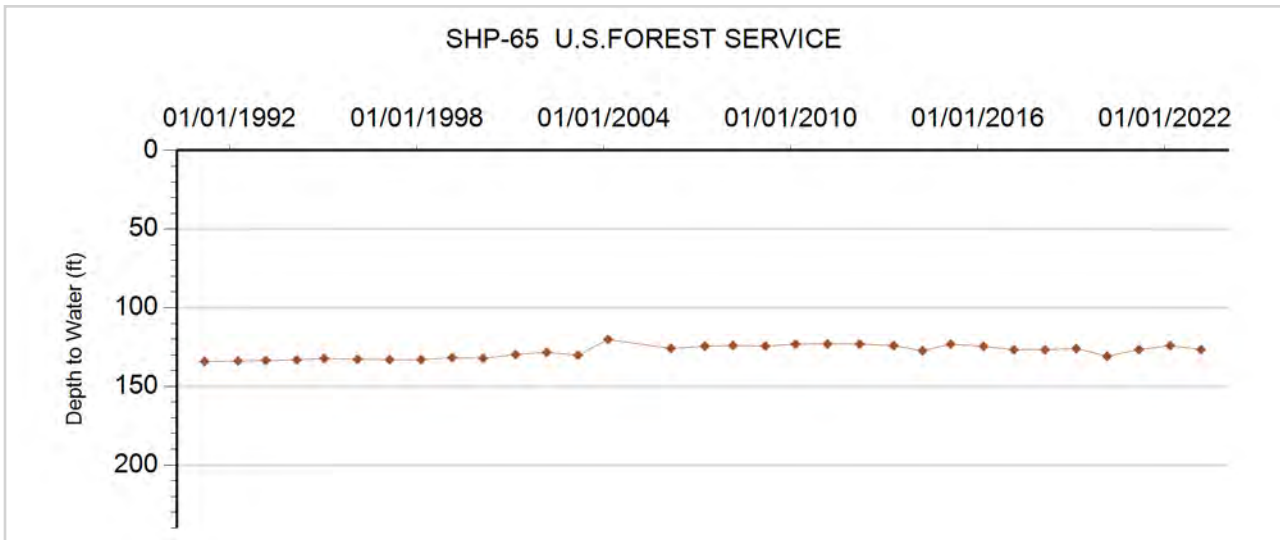
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	126.60	4003.40	-2.50
03/04/2022	124.10	4005.90	2.48
03/04/2021	126.58	4003.42	4.28
02/25/2020	130.86	3999.14	-4.96
02/26/2019	125.90	4004.10	0.85
02/27/2018	126.75	4003.25	-0.08
02/28/2017	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

Construction Information

Surface Elevation (ft): 4130
 Well Depth (ft): 240
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 03/13/1991 End Date: 02/28/2023
 Number of Measurements: 32





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

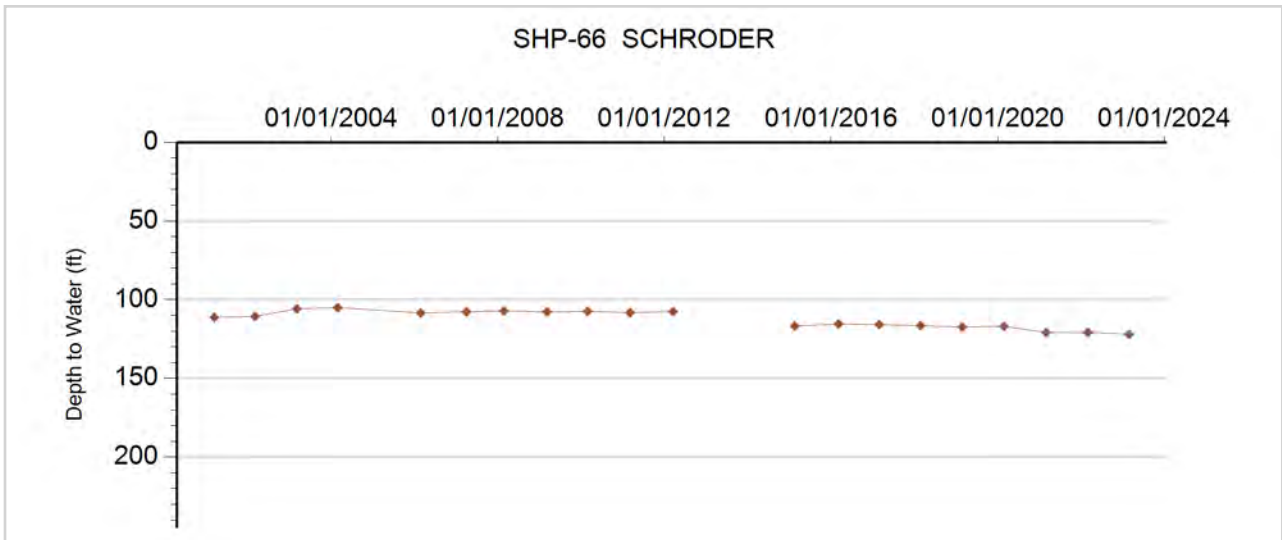
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	122.00	4078.00	-1.26
03/04/2022	120.74	4079.26	0.08
03/04/2021	120.82	4079.18	-3.90
02/25/2020	116.92	4083.08	0.48
02/26/2019	117.40	4082.60	-0.93
02/27/2018	116.47	4083.53	-0.68
02/28/2017	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			

Construction Information

Surface Elevation (ft): 4200
 Well Depth (ft): 245
 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 SANDSTONE

Well Measurement Summary

Start Date: 03/13/2001 End Date: 02/28/2023
 Number of Measurements: 22





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

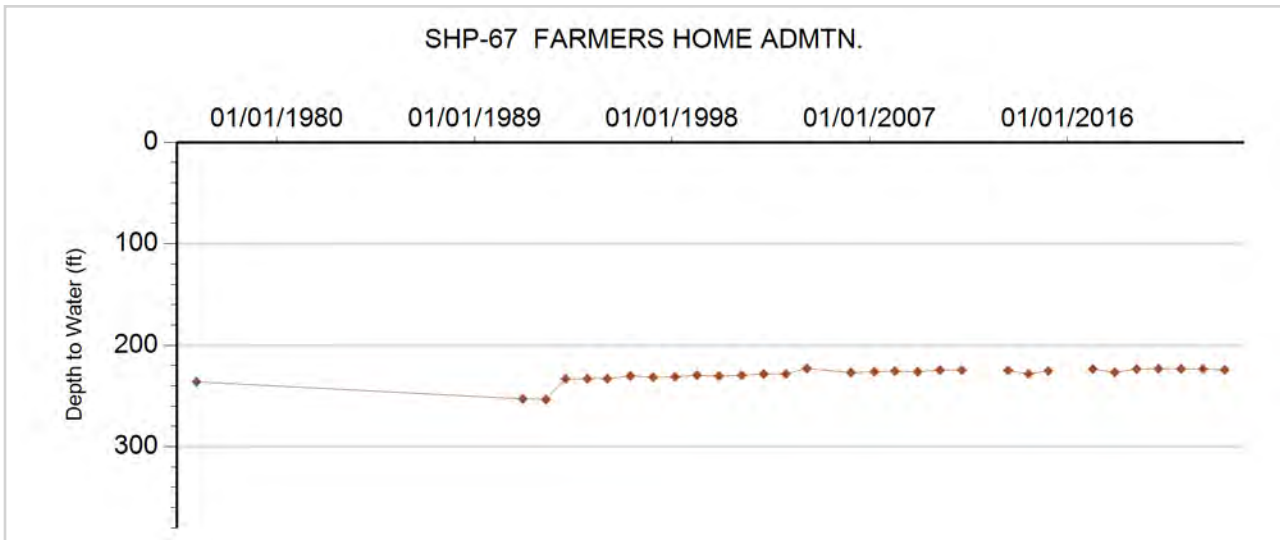
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	224.30	4115.70	-0.98
03/04/2022	223.32	4116.68	-0.02
03/04/2021	223.30	4116.70	-0.16
02/25/2020	223.14	4116.86	0.29
02/26/2019	223.43	4116.57	3.20
02/27/2018	226.63	4113.37	-3.25
02/28/2017	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

Construction Information

Surface Elevation (ft): 4340
 Well Depth (ft): 380
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): CHEYENNE SANDSTONE

Well Measurement Summary

Start Date: 05/10/1976 End Date: 02/28/2023
 Number of Measurements: 33





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

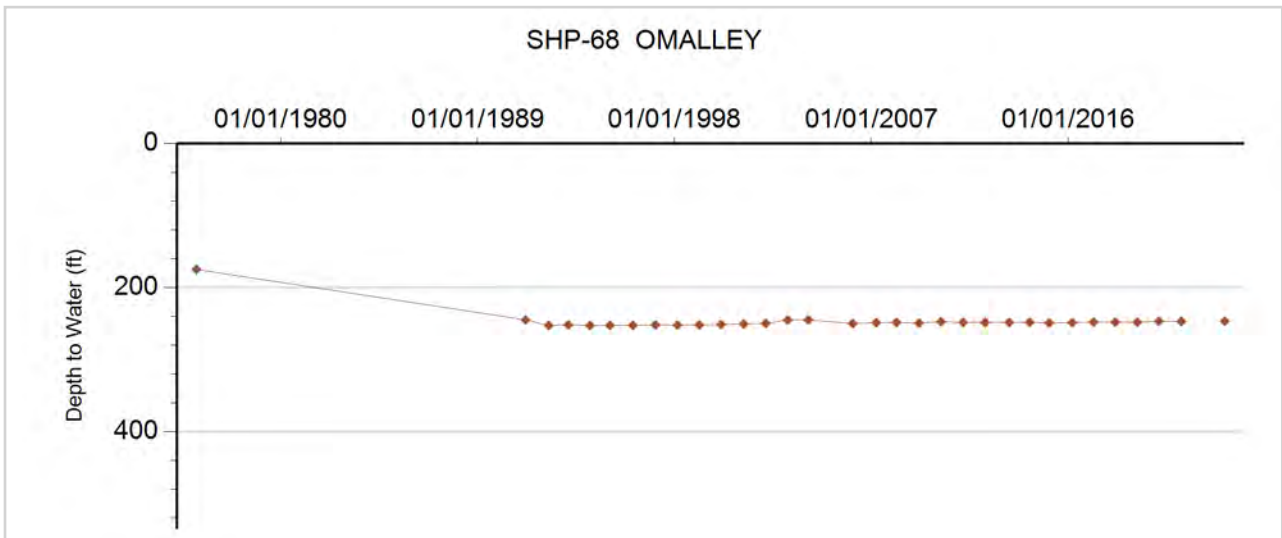
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/27/2023	246.69	4188.31	
03/03/2022			
03/04/2021	247.15	4187.85	-0.29
02/24/2020	246.86	4188.14	1.31
02/26/2019	248.17	4186.83	-0.18
02/26/2018	247.99	4187.01	-0.05
02/27/2017	247.94	4187.06	0.77
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

Construction Information

Surface Elevation (ft): 4435
 Well Depth (ft): 535
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE, CHEYENNE SANDSTONE

Well Measurement Summary

Start Date: 02/27/1976 End Date: 02/27/2023
 Number of Measurements: 33





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

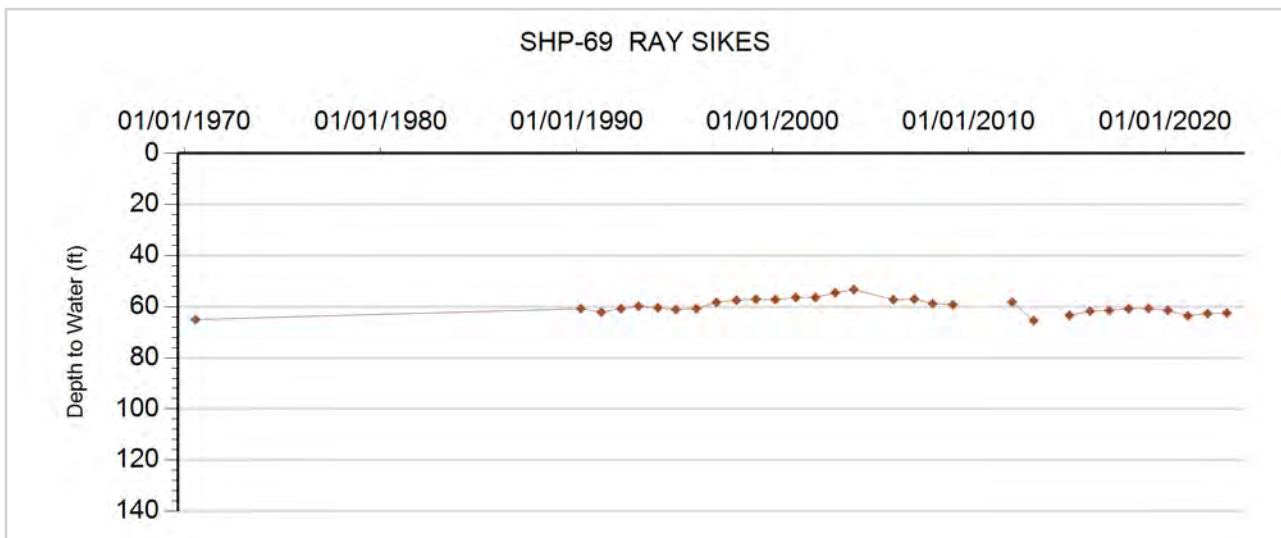
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/27/2023	62.44	4938.56	0.22
03/03/2022	62.66	4938.34	0.87
03/03/2021	63.53	4937.47	-2.15
02/24/2020	61.38	4939.62	-0.71
02/25/2019	60.67	4940.33	0.07
02/26/2018	60.74	4940.26	0.69
02/27/2017	61.43	4939.57	0.26
03/07/2016	61.69	4939.31	1.63
02/17/2015	63.32	4937.68	
03/25/2014			

Construction Information

Surface Elevation (ft): 5001
 Well Depth (ft): 140
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE, CHEYENNE SANDSTONE

Well Measurement Summary

Start Date: 07/22/1970 End Date: 02/27/2023
 Number of Measurements: 33





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

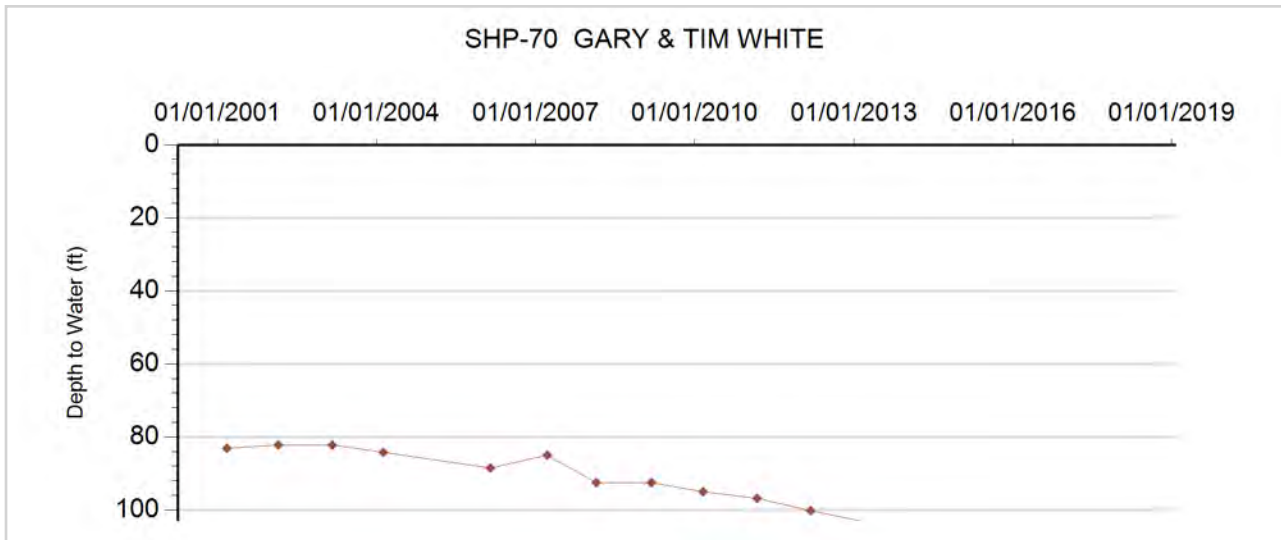
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/27/2018			
02/28/2017			
03/25/2014			
03/03/2013	103.10	3398.42	-2.90
03/09/2012	100.20	3401.32	-3.40
03/06/2011	96.80	3404.72	-1.80
02/27/2010	95.00	3406.52	-2.50
03/08/2009	92.50	3409.02	0.00
02/23/2008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

Construction Information

Surface Elevation (ft): 3502
 Well Depth (ft): 103
 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

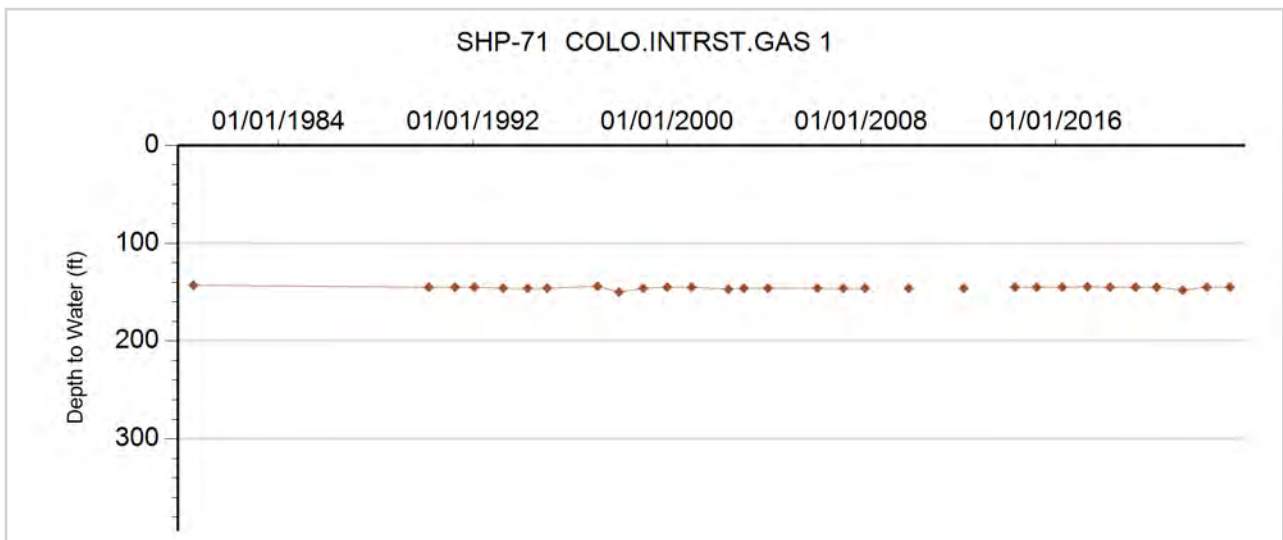
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/09/2023	145.00	3683.00	0.00
03/28/2022	145.00	3683.00	3.00
03/30/2021	148.00	3680.00	-3.00
03/03/2020	145.00	3683.00	0.00
04/18/2019	145.00	3683.00	0.00
03/29/2018	145.00	3683.00	-0.50
04/26/2017	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	

Construction Information

Surface Elevation (ft): 3828
 Well Depth (ft): 394
 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: 03/09/2023
 Number of Measurements: 33





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

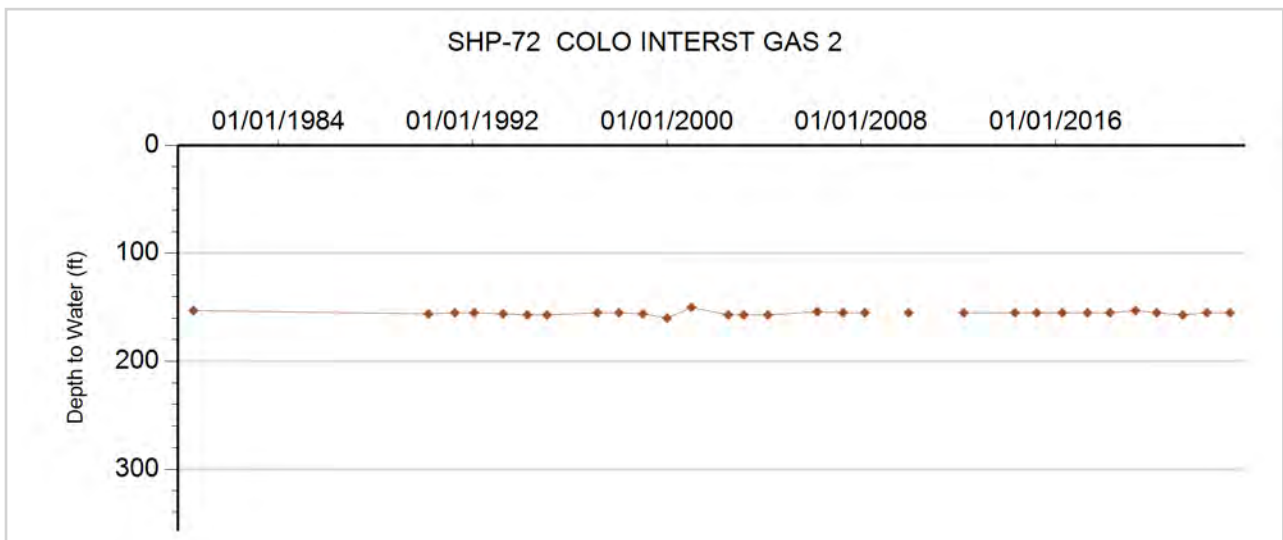
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/09/2023	155.00	3671.00	0.00
03/28/2022	155.00	3671.00	2.00
03/30/2021	157.00	3669.00	-2.00
03/03/2020	155.00	3671.00	-2.00
04/18/2019	153.00	3673.00	2.00
03/29/2018	155.00	3671.00	0.00
04/26/2017	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

Construction Information

Surface Elevation (ft): 3826
 Well Depth (ft): 357
 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: 03/09/2023
 Number of Measurements: 32





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

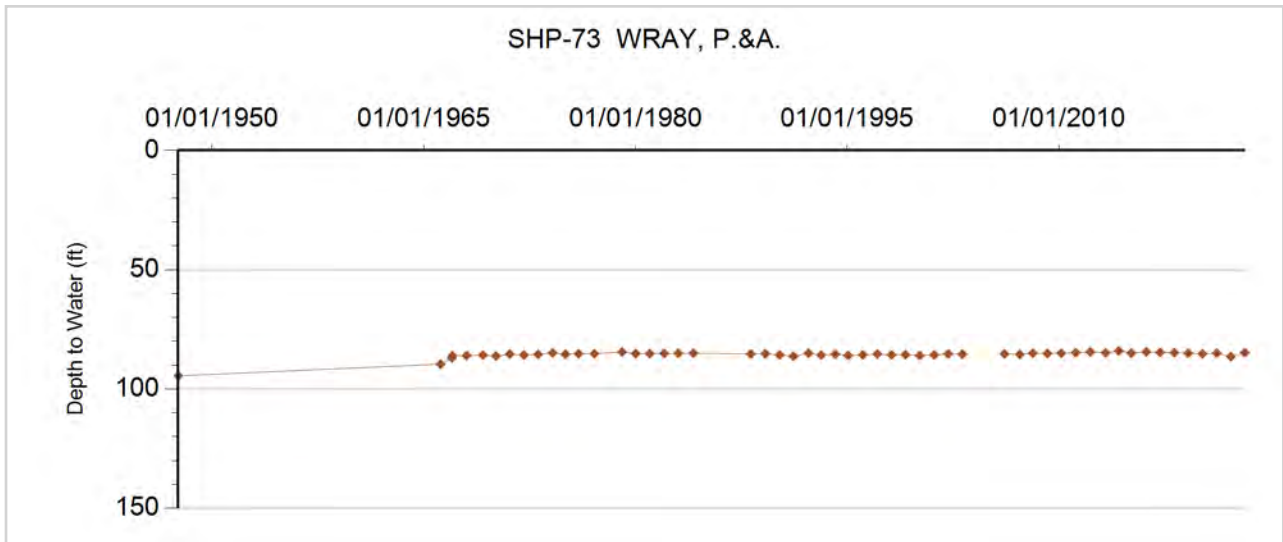
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	84.81	3674.78	1.65
03/04/2022	86.46	3673.13	-1.44
03/04/2021	85.02	3674.57	0.21
02/25/2020	85.23	3674.36	-0.21
02/26/2019	85.02	3674.57	-0.25
02/27/2018	84.77	3674.82	-0.12
02/28/2017	84.65	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

Construction Information

Surface Elevation (ft): 3760
 Well Depth (ft): 150
 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: 02/28/2023
 Number of Measurements: 55





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

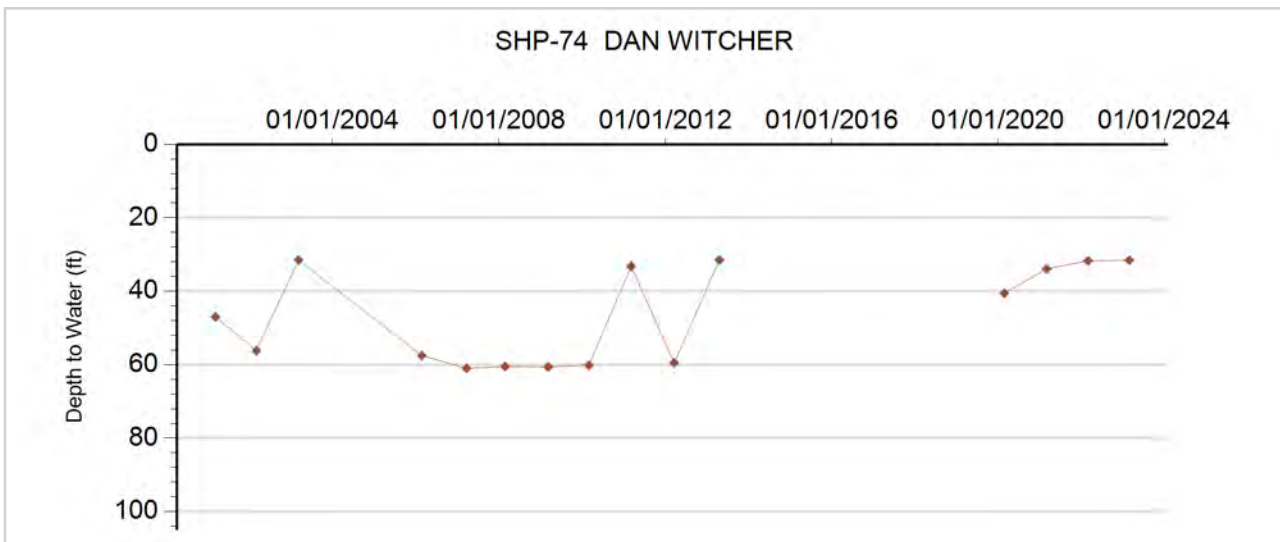
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	31.55	3583.45	0.17
03/04/2022	31.72	3583.28	2.20
03/05/2021	33.92	3581.08	6.64
02/25/2020	40.56	3574.44	
03/07/2016			
03/25/2014			
04/20/2013	31.50	3583.50	28.00
03/19/2012	59.50	3555.50	-26.30
03/06/2011	33.20	3581.80	27.00
02/27/2010	60.20	3554.80	0.40

Construction Information

Surface Elevation (ft): 3615
Well Depth (ft): 105
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: 02/28/2023
Number of Measurements: 17





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

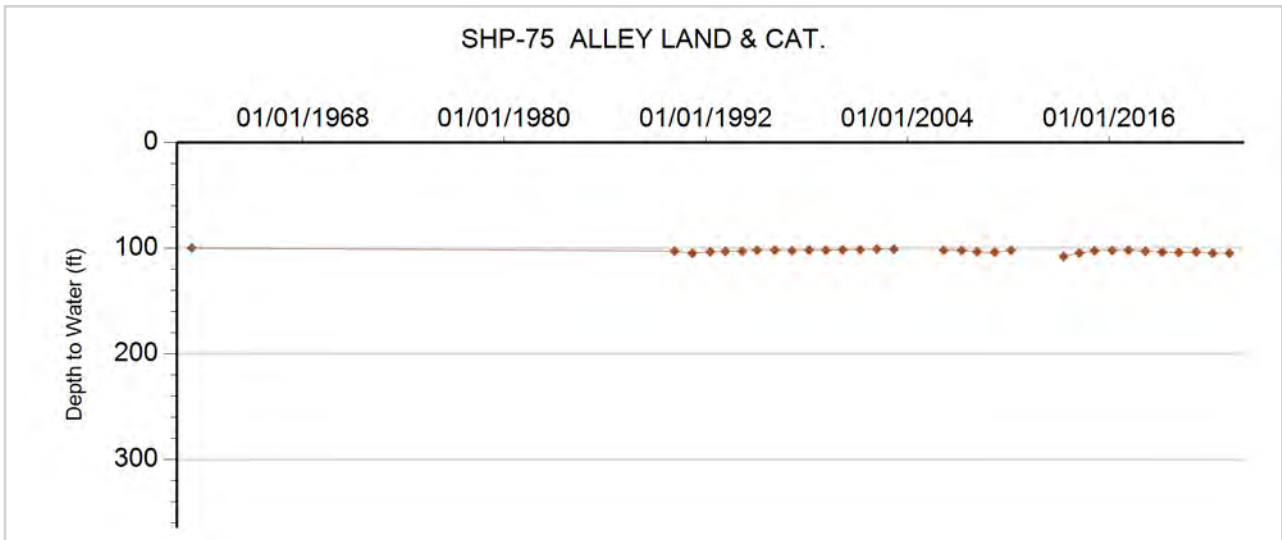
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	104.92	3860.08	0.15
03/04/2022	105.07	3859.93	-1.24
03/04/2021	103.83	3861.17	0.49
02/25/2020	104.32	3860.68	-0.48
02/26/2019	103.84	3861.16	-0.76
02/27/2018	103.08	3861.92	-0.85
02/28/2017	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

Construction Information

Surface Elevation (ft): 3965
 Well Depth (ft): 365
 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: 02/28/2023
 Number of Measurements: 34





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

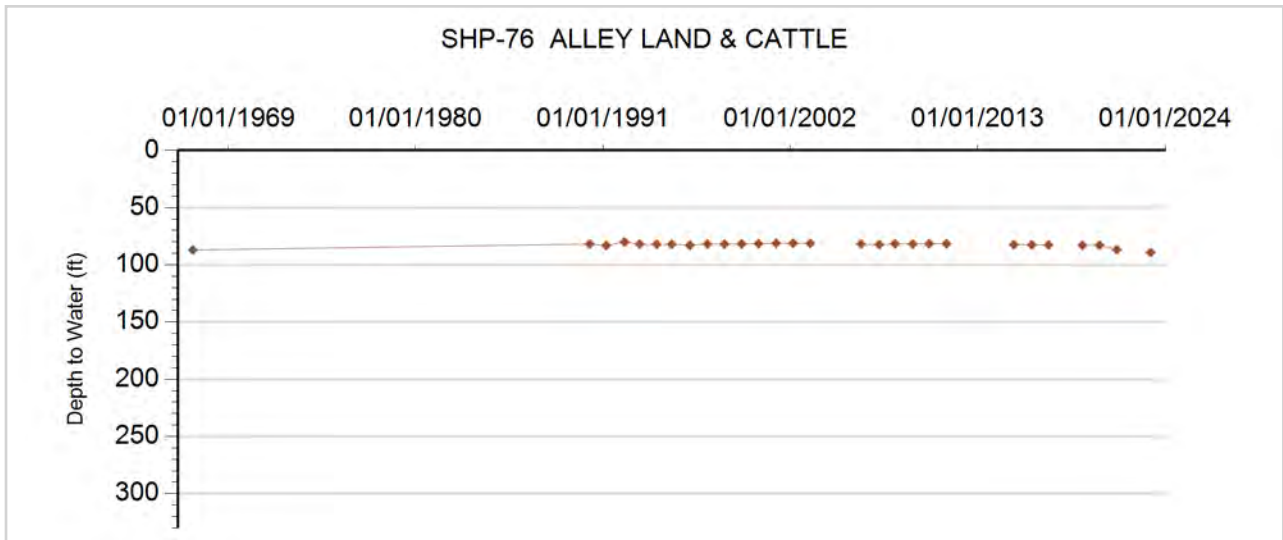
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	89.23	3773.77	
03/04/2022			
03/04/2021	86.63	3776.37	-3.74
02/25/2020	82.89	3780.11	0.01
02/26/2019	82.90	3780.10	
02/27/2018			
02/28/2017	82.55	3780.45	-0.09
03/07/2016	82.46	3780.54	-0.06
02/17/2015	82.40	3780.60	
03/26/2014			

Construction Information

Surface Elevation (ft): 3863
 Well Depth (ft): 330
 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: 02/28/2023
 Number of Measurements: 34





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

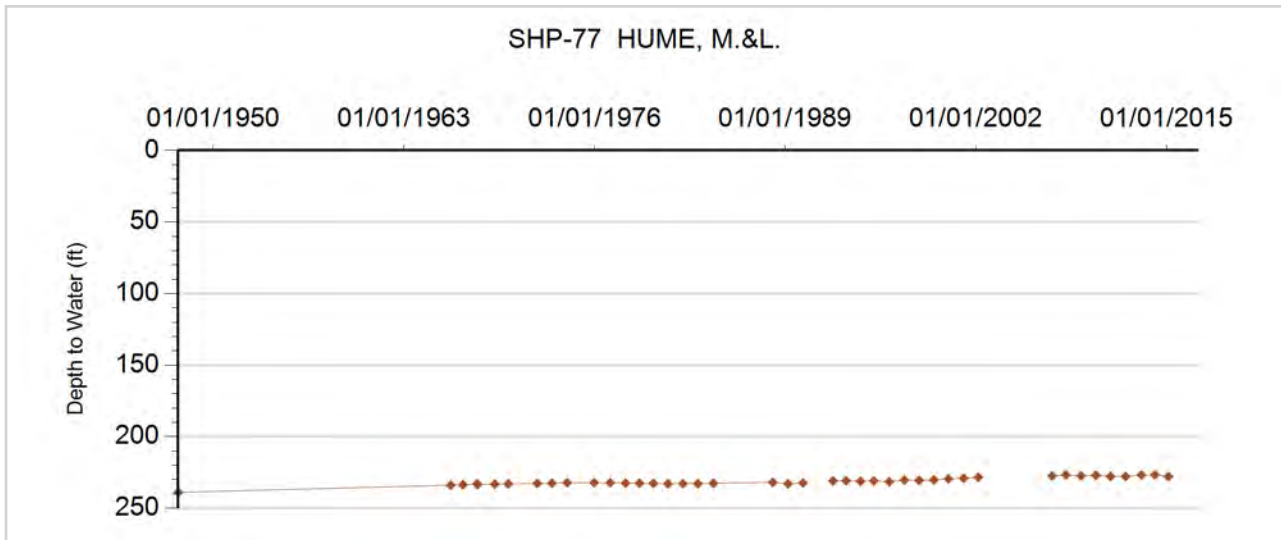
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2017			
03/07/2016			
02/17/2015	227.85	4047.11	-1.26
03/25/2014	226.59	4048.37	0.21
04/21/2013	226.80	4048.16	1.00
03/19/2012	227.80	4047.16	-0.10
03/13/2011	227.70	4047.26	-0.70
03/12/2010	227.00	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): 4275
 Well Depth (ft): 250
 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

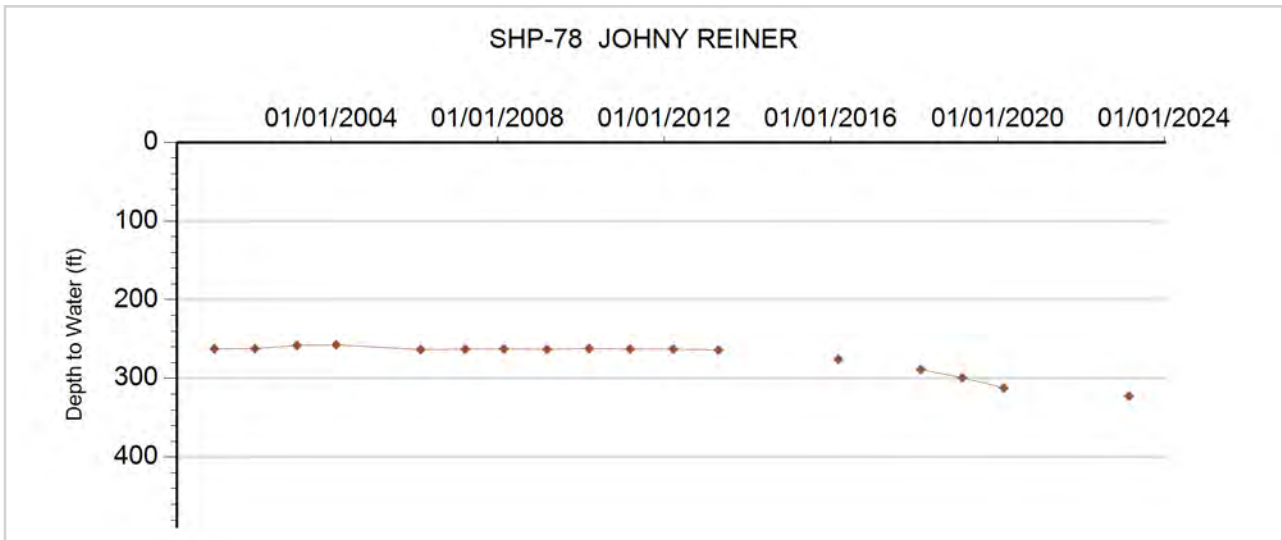
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/27/2023	322.62	4047.38	
03/03/2022			
03/04/2021			
02/24/2020	312.12	4057.88	-12.98
02/26/2019	299.14	4070.86	-10.47
02/27/2018	288.67	4081.33	
02/28/2017			
03/07/2016	275.62	4094.38	
02/17/2015			
03/25/2014			

Construction Information

Surface Elevation (ft): 4370
 Well Depth (ft): 490
 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: 02/27/2023
 Number of Measurements: 22





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

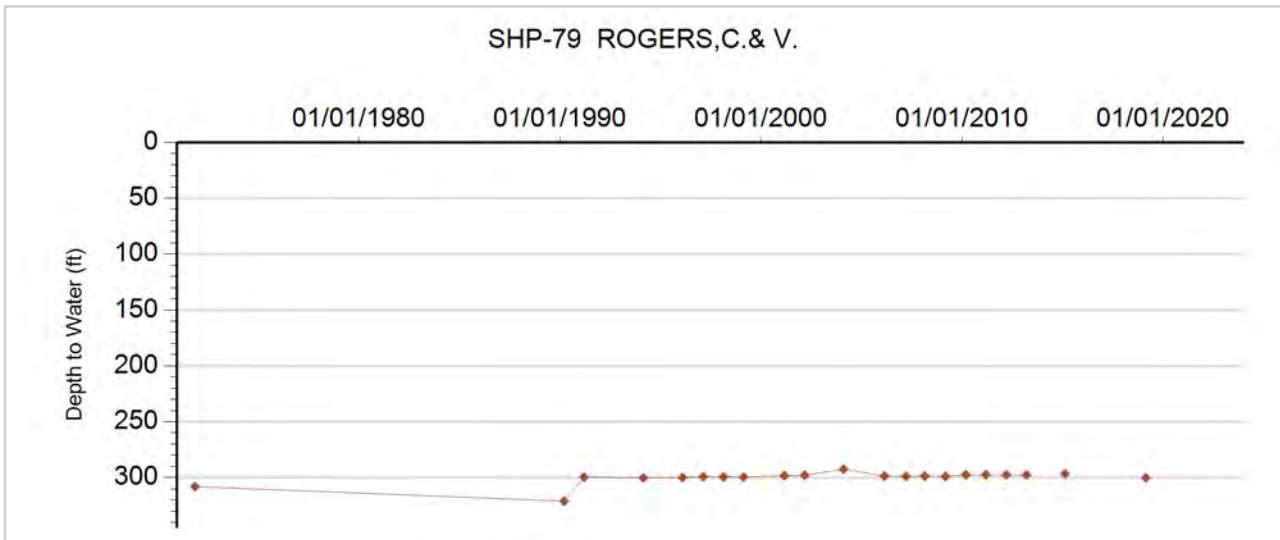
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/27/2023			
03/03/2022			
03/04/2021			
02/24/2020			
02/26/2019	300.14	4182.86	
02/26/2018			
02/27/2017			
03/07/2016			
02/17/2015	296.62	4186.38	
03/25/2014			

Construction Information

Surface Elevation (ft): 4483
 Well Depth (ft): 345
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): CHEYENNE SANDSTONE

Well Measurement Summary

Start Date: 11/03/1971 End Date: 02/27/2023
 Number of Measurements: 29





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

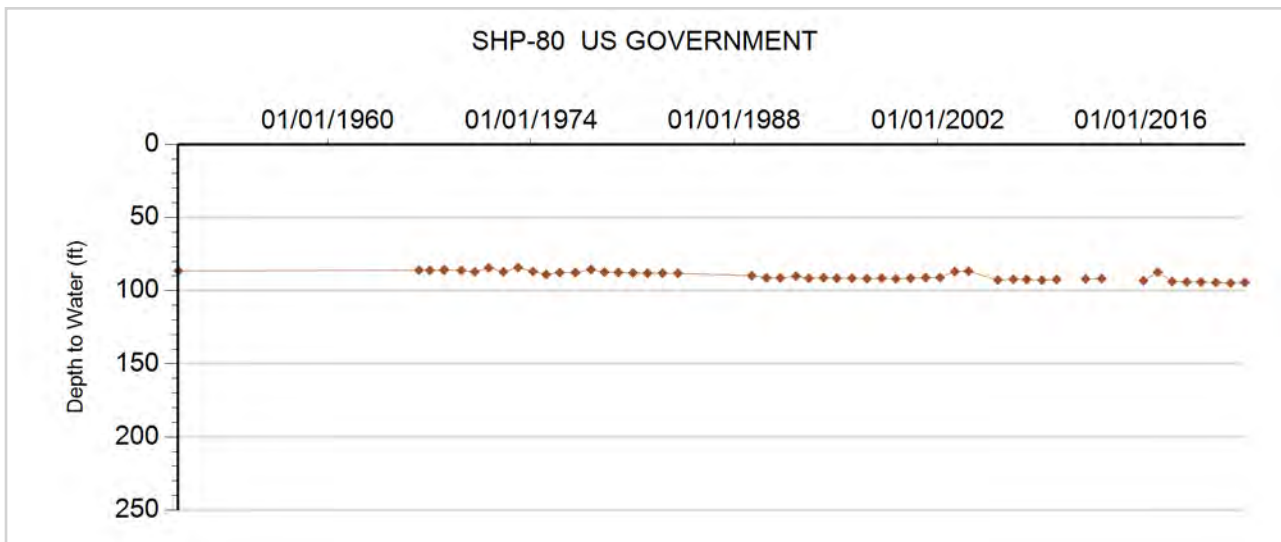
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/27/2023	94.30	4503.60	0.46
03/03/2022	94.76	4503.14	-0.28
03/04/2021	94.48	4503.42	-0.42
02/24/2020	94.06	4503.84	-0.03
02/25/2019	94.03	4503.87	-0.30
02/26/2018	93.73	4504.17	-6.41
02/27/2017	87.32	4510.58	5.82
03/07/2016	93.14	4504.76	
02/17/2015			
03/25/2014			

Construction Information

Surface Elevation (ft): 4598
 Well Depth (ft): 250
 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: 02/27/2023
 Number of Measurements: 55





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

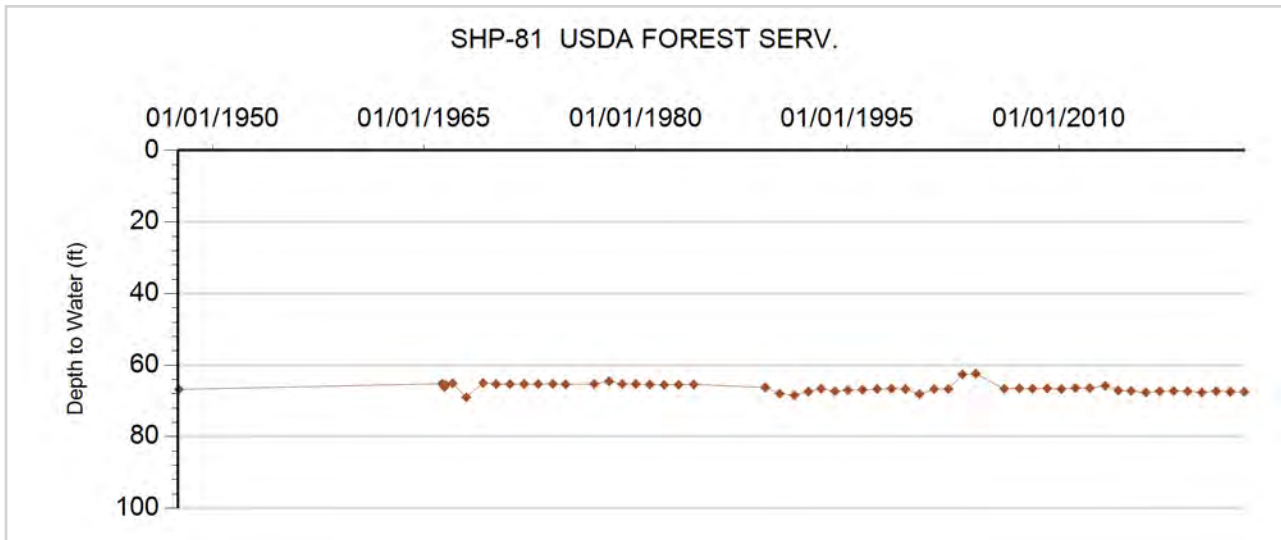
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/27/2023	67.47	4464.68	-0.01
03/03/2022	67.46	4464.69	-0.16
03/04/2021	67.30	4464.85	0.32
02/24/2020	67.62	4464.53	-0.32
02/25/2019	67.30	4464.85	-0.06
02/26/2018	67.24	4464.91	0.07
02/27/2017	67.31	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

Construction Information

Surface Elevation (ft): 4532
 Well Depth (ft): 100
 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 SANDSTONE

Well Measurement Summary

Start Date: 08/20/1947 End Date: 02/27/2023
 Number of Measurements: 55





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

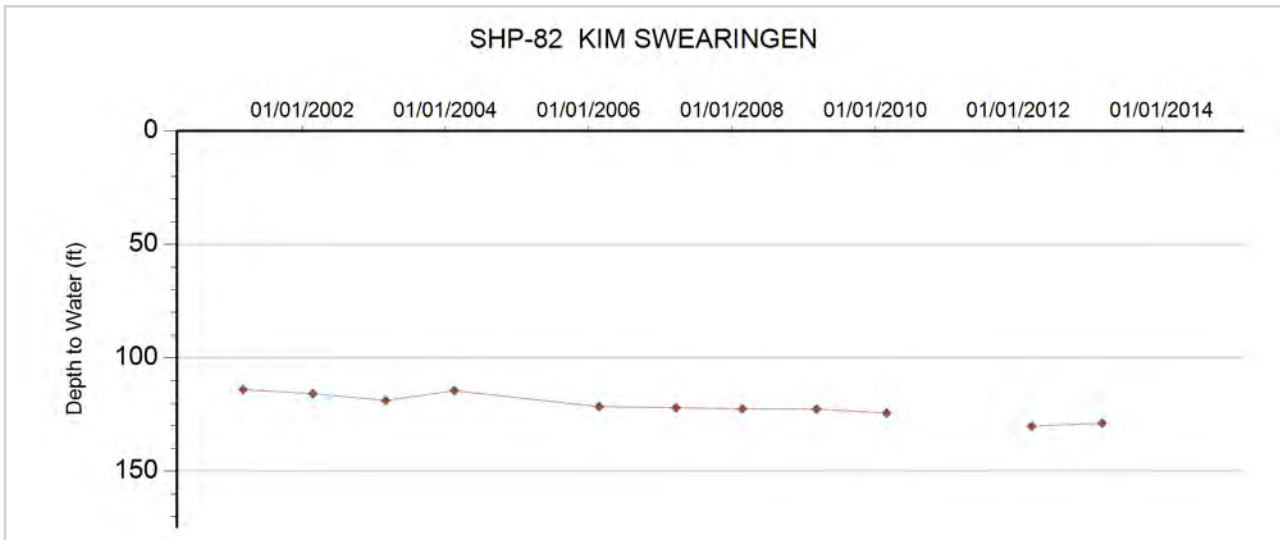
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/25/2014			
03/03/2013	128.80	3461.20	1.30
03/09/2012	130.10	3459.90	
03/06/2011			
02/27/2010	124.30	3465.70	-1.70
03/08/2009	122.60	3467.40	-0.10
02/23/2008	122.50	3467.50	-0.50
03/22/2007	122.00	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
 Well Depth (ft): 175
 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

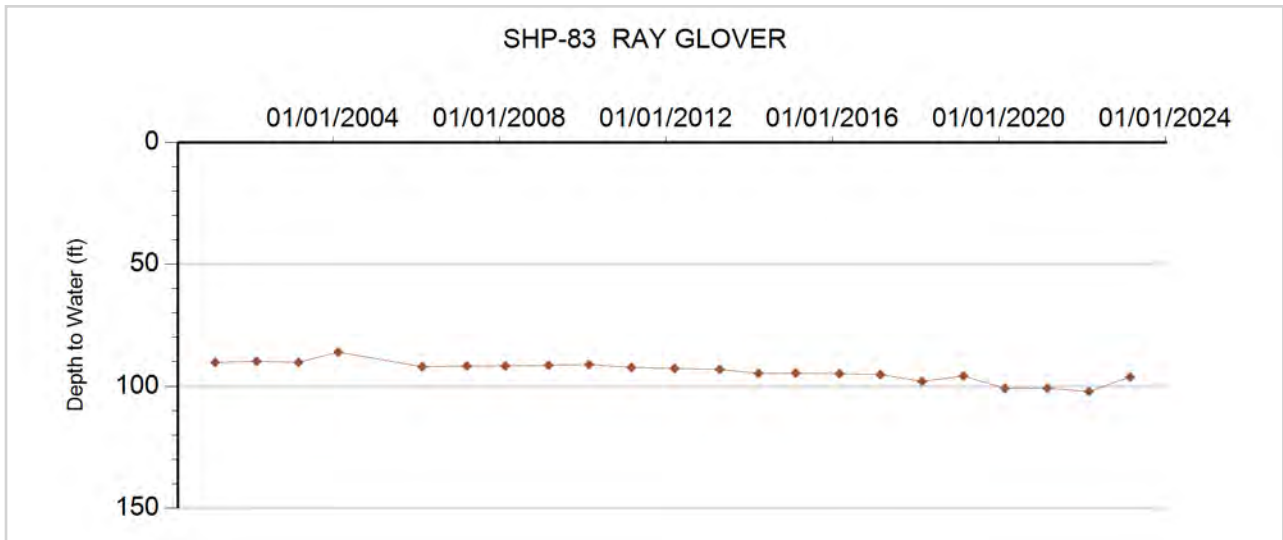
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	96.24	3783.76	5.93
03/04/2022	102.17	3777.83	-1.37
03/04/2021	100.80	3779.20	0.10
02/25/2020	100.90	3779.10	-5.08
02/26/2019	95.82	3784.18	2.20
02/28/2018	98.02	3781.98	-2.81
02/28/2017	95.21	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

Construction Information

Surface Elevation (ft): 3880
 Well Depth (ft): 150
 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: 02/28/2023
 Number of Measurements: 22





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

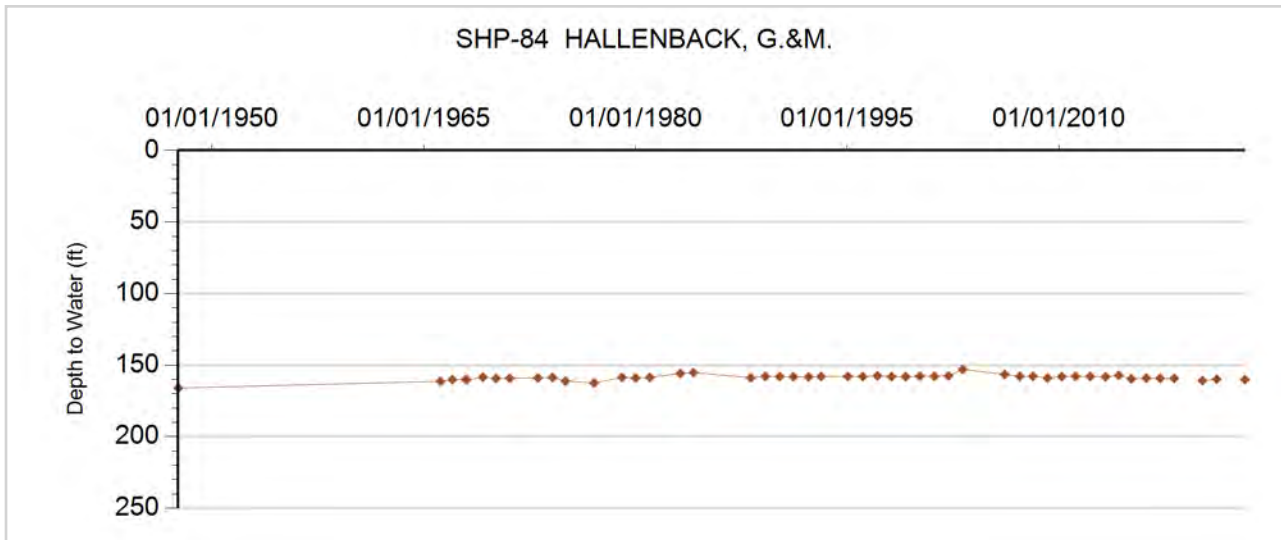
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	160.14	3944.76	
03/04/2022			
03/04/2021	159.85	3945.05	0.99
02/25/2020	160.84	3944.06	
02/26/2019			
02/27/2018	159.28	3945.62	0.01
02/28/2017	159.29	3945.61	-0.20
03/07/2016	159.09	3945.81	0.54
02/17/2015	159.63	3945.27	-2.47
03/26/2014	157.16	3947.74	1.04

Construction Information

Surface Elevation (ft): 4105
 Well Depth (ft): 250
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 08/20/1947 End Date: 02/28/2023
 Number of Measurements: 50





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

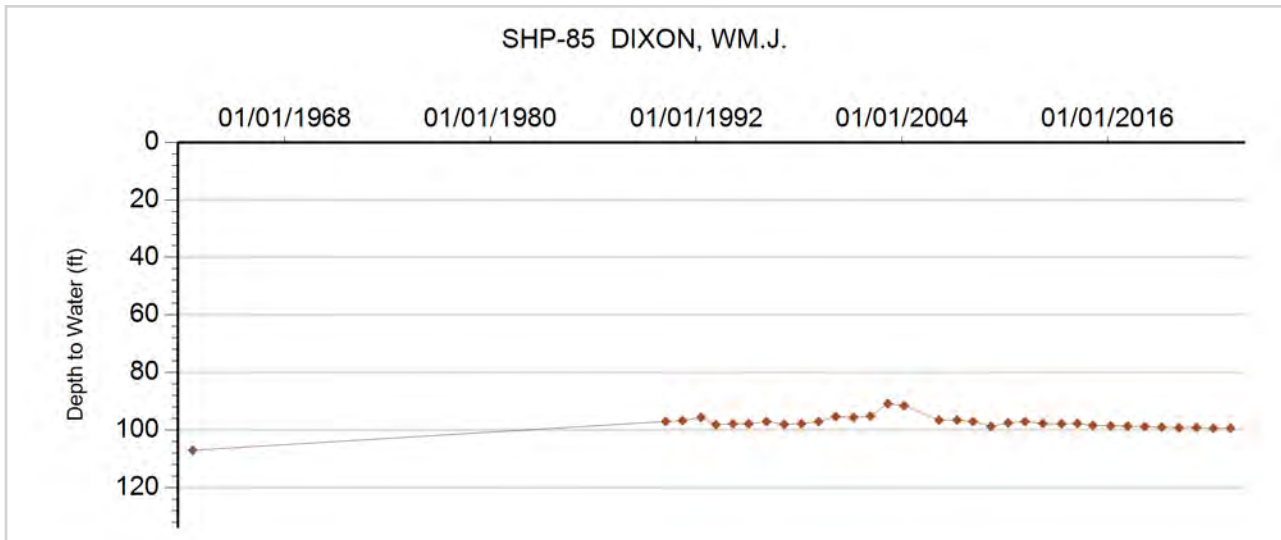
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	99.34	4095.66	0.00
03/04/2022	99.34	4095.66	-0.25
03/04/2021	99.09	4095.91	0.10
02/25/2020	99.19	4095.81	-0.23
02/26/2019	98.96	4096.04	-0.21
02/27/2018	98.75	4096.25	-0.13
02/28/2017	98.62	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

Construction Information

Surface Elevation (ft): 4195
 Well Depth (ft): 134
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): CHEYENNE SANDSTONE

Well Measurement Summary

Start Date: 08/22/1962 End Date: 02/28/2023
 Number of Measurements: 34





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

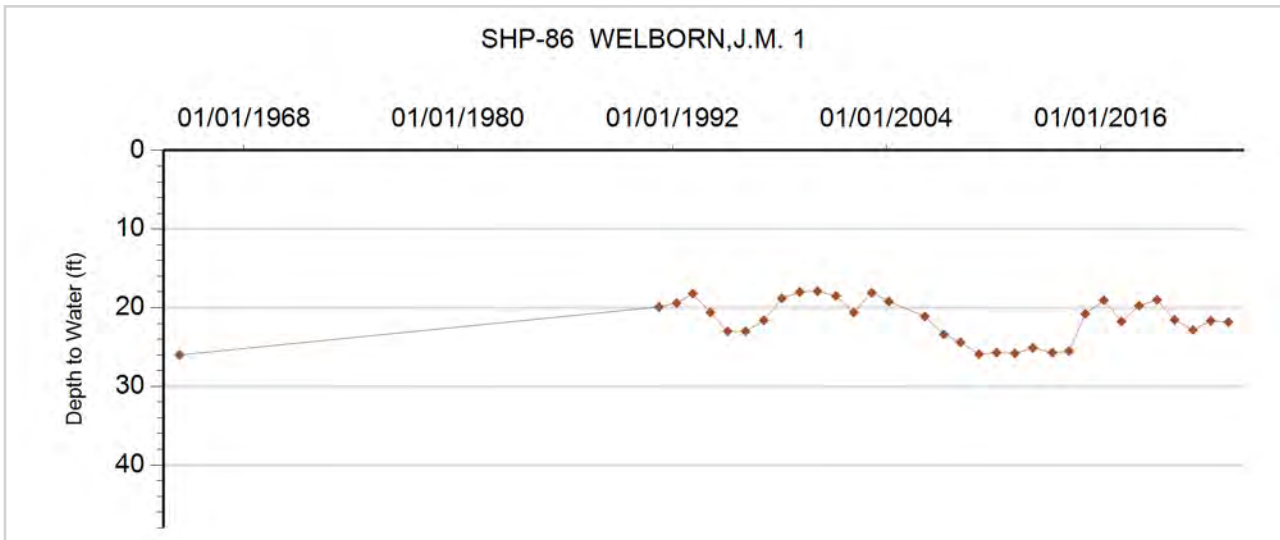
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/27/2023	21.83	4448.17	-0.17
03/03/2022	21.66	4448.34	1.17
03/03/2021	22.83	4447.17	-1.29
02/24/2020	21.54	4448.46	-2.53
02/25/2019	19.01	4450.99	0.72
02/26/2018	19.73	4450.27	2.00
02/27/2017	21.73	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

Construction Information

Surface Elevation (ft): 4470
 Well Depth (ft): 48
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): ALLUVIAL, DOCKUM

Well Measurement Summary

Start Date: 05/23/1964 End Date: 02/27/2023
 Number of Measurements: 33





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

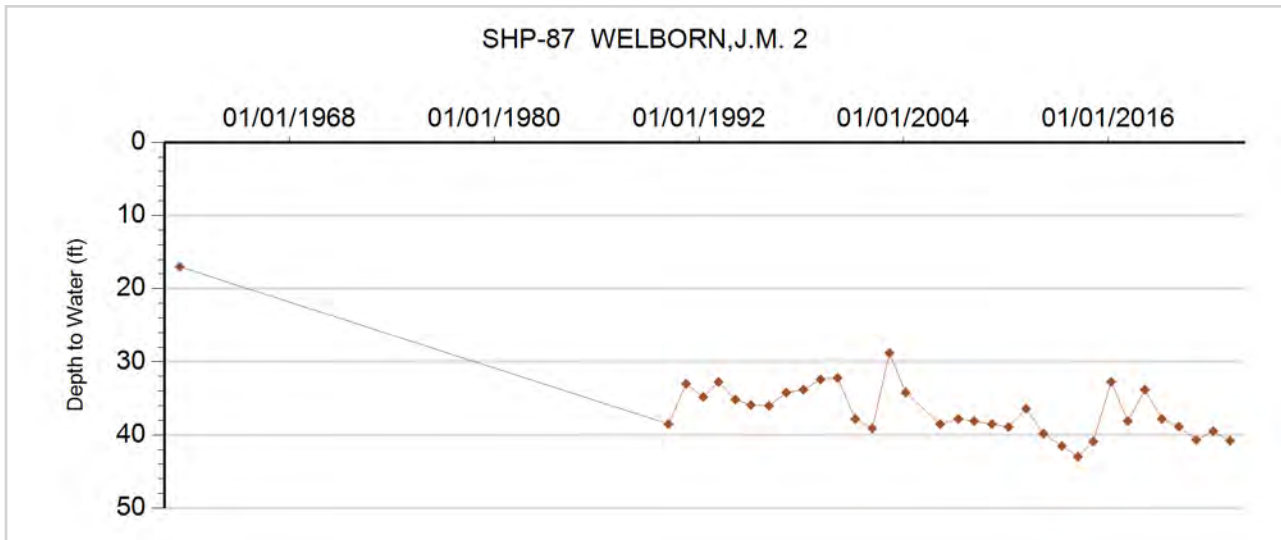
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/27/2023	40.79	4370.21	-1.31
03/03/2022	39.48	4371.52	1.19
03/03/2021	40.67	4370.33	-1.82
02/24/2020	38.85	4372.15	-1.05
02/25/2019	37.80	4373.20	-3.99
02/26/2018	33.81	4377.19	4.27
02/27/2017	38.08	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

Construction Information

Surface Elevation (ft): 4411
 Well Depth (ft): 50
 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: 02/27/2023
 Number of Measurements: 34





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)
02/27/2023	40.75	4369.25	-3.93
03/03/2022	36.82	4373.18	3.07
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

Construction Information

Surface Elevation (ft): 4410
 Well Depth (ft): 82
 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: 02/27/2023
 Number of Measurements: 34

