

Groundwater Levels in the Southern High Plains Designated Groundwater Basin

2024

by

Nolan C. Tanguma
Hydrogeology Section

September 3, 2024



COLORADO
Division of Water Resources
Department of Natural Resources

Jared S. Polis
Governor

Dan Gibbs
Executive Director, DNR

Jason T. Ullmann
State Engineer/Director

Kevin C. Donegan
Chief, Hydrogeology Section

Groundwater Level Measurements in the Southern High Plains Designated Groundwater Basin 2024

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 57 wells were measured during the 2023-2024 monitoring season. Water levels were not measured in 26 wells that were pumping or where access was restricted. Figure 2 shows the location and designation of all 83 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	# of Wells	2024 Water Level Range (ft below ground)	Avg. Water Level Change 2023-2024 (ft)	Avg. Water Level Change 2019-2024 (ft)	Avg. Water Level Change 2014-2024 (ft)
Ogallala	22	101 to 241	1.4	-1.0	-8.0
Dakota/Cheyenne	43	62 to 260	-0.1	-2.4	-3.9
Dockum	18	36 to 270	0.7	-1.3	-1.5

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:

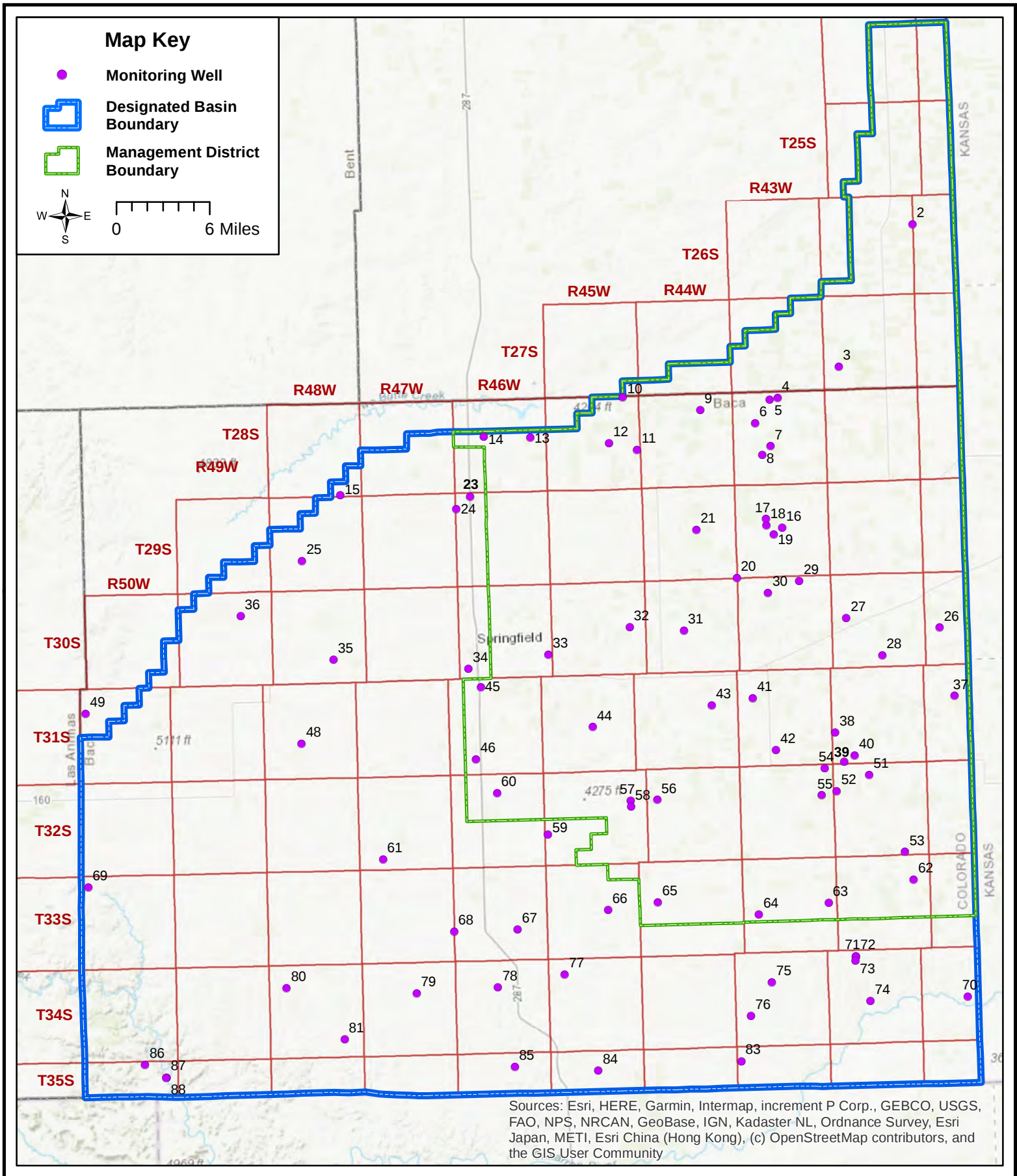
<https://dwr.colorado.gov/services/data-information/gis>

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>

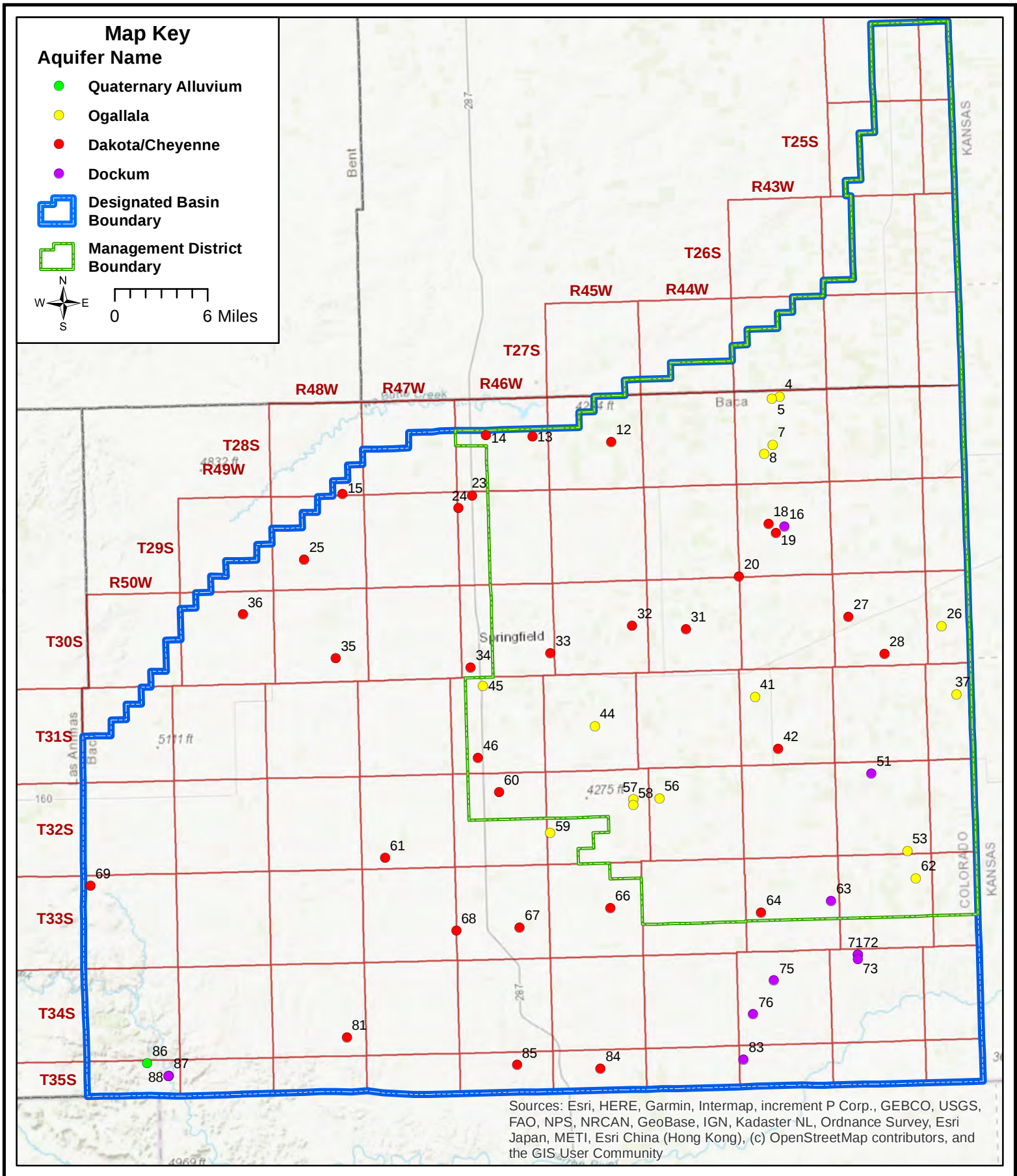
ERA	PERIOD	SOUTHEAST COLORADO AREA
CENOZOIC	PLIOCENE	Ogallala Fm
	MIOCENE	
	OLIGOCENE	
	EOCENE	
	PALEOCENE	
MESOZOIC	CRETACEOUS	Rocky Ford
		Pieter Sh
		Niobrara Fm
		Smoky Hill Mbr
		Fl. Mays Ls
		Codell Ss
		Colorado Gp
		Carlile Sh
	UPPER	Greenhorn Ls
		Graneros Sh
	LOWER	Dakota Ss
		Kiowa Sh
		Cheyenne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

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



COLORADO
Division of Water Resources
Department of Natural Resources

Southern High Plains Designated Basin Monitoring Well Locations Figure 2



COLORADO
Division of Water Resources
Department of Natural Resources

**Southern High Plains
Designated Basin Aquifers
Figure 3**

Map Key

Groundwater Level Change

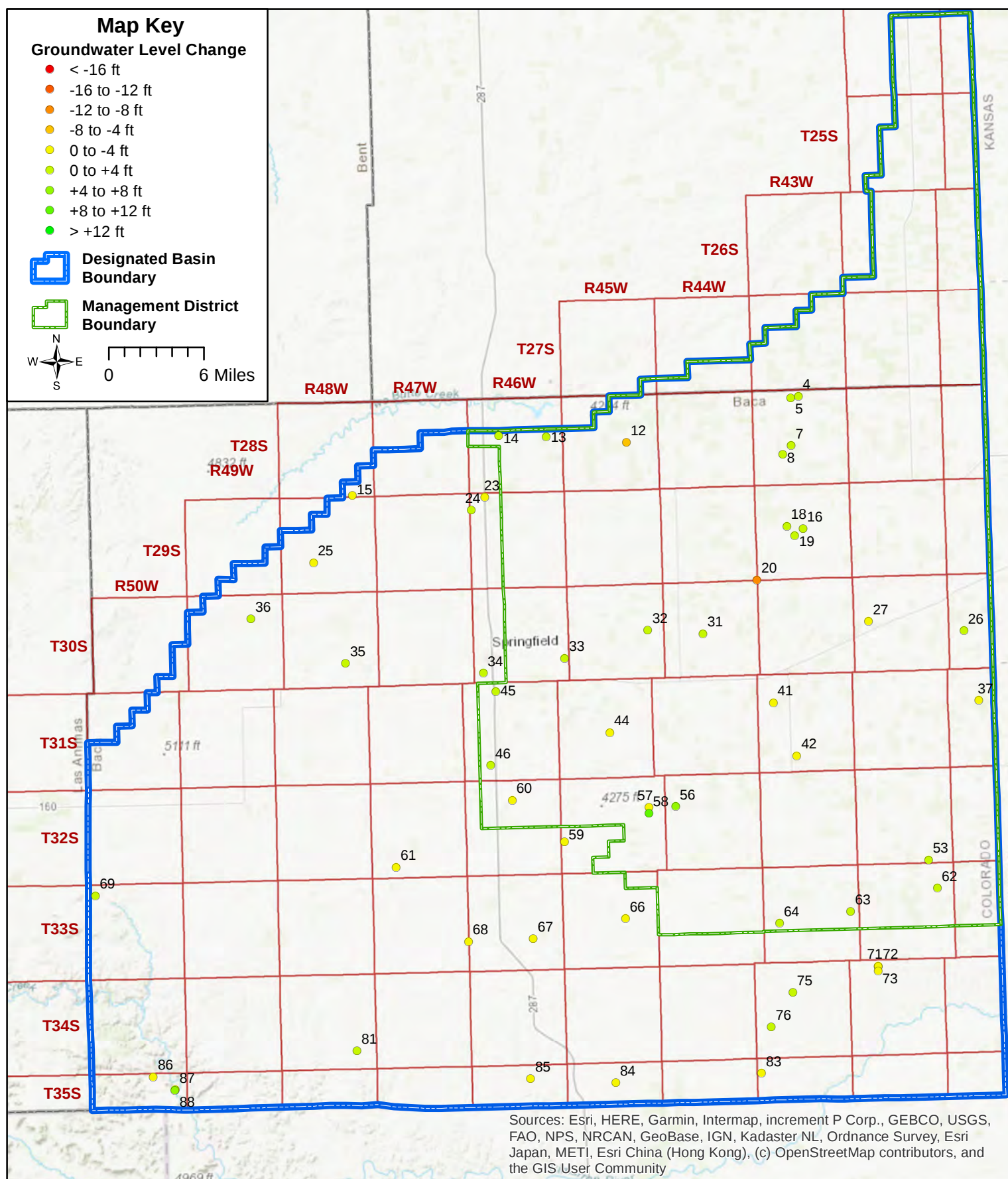
- < -16 ft
- -16 to -12 ft
- -12 to -8 ft
- -8 to -4 ft
- 0 to -4 ft
- 0 to +4 ft
- +4 to +8 ft
- +8 to +12 ft
- > +12 ft

 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



COLORADO
Division of Water Resources
Department of Natural Resources

Southern High Plains Designated Basin Water Level Trends 2023-2024 Figure 4

Map Key

Groundwater Level Change

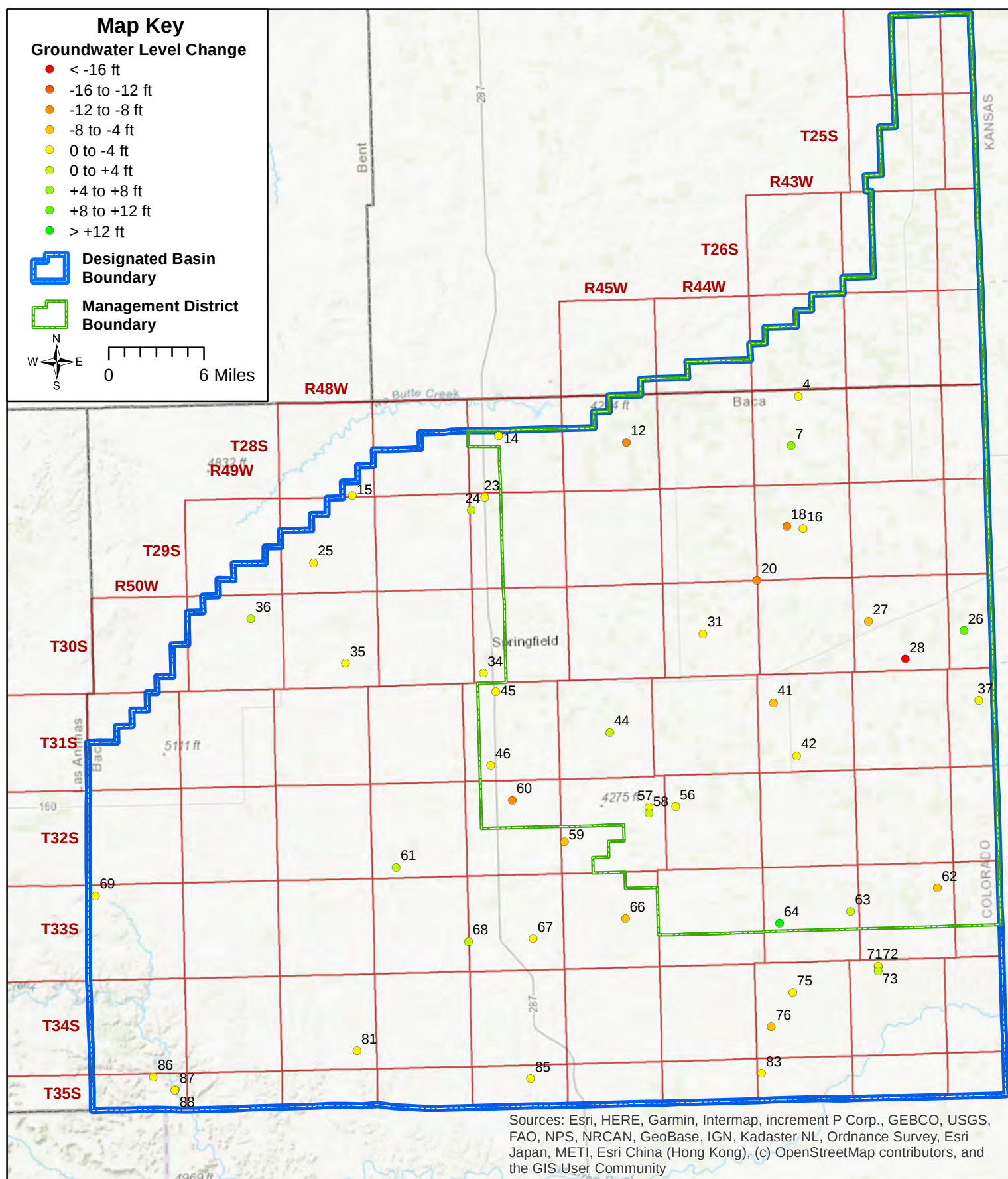
- < -16 ft
- -16 to -12 ft
- -12 to -8 ft
- -8 to -4 ft
- 0 to -4 ft
- 0 to +4 ft
- +4 to +8 ft
- +8 to +12 ft
- > +12 ft

 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



COLORADO
Division of Water Resources
Department of Natural Resources

Southern High Plains Designated Basin Water Level Trends 2019-2024 Figure 5

Map Key

Groundwater Level Change

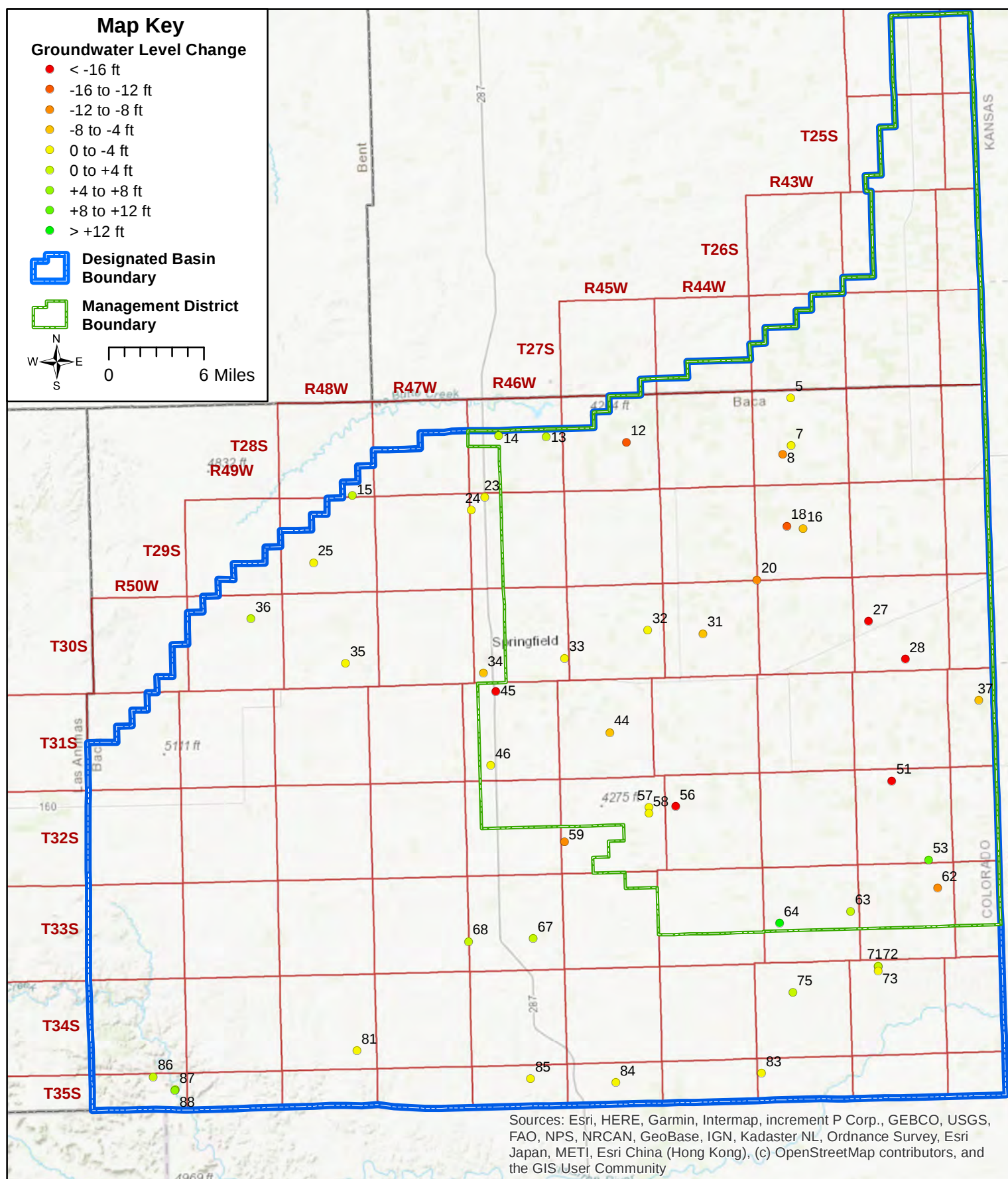
- < -16 ft
- -16 to -12 ft
- -12 to -8 ft
- -8 to -4 ft
- 0 to -4 ft
- 0 to +4 ft
- +4 to +8 ft
- +8 to +12 ft
- > +12 ft

 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



COLORADO
Division of Water Resources
Department of Natural Resources

Southern High Plains Designated Basin Water Level Trends 2014-2024 Figure 6



GROUNDWATER DETAILS

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

Permit Number: 19211-FP

WDID:

Data Source: DWR

Location Number: SC02604107BC

USGS Site ID:

Applicant/Contact: BARTH,RBT.J.

Physical Location

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

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

Construction Information

Surface Elevation (ft): 3655
Well Depth (ft): 630
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

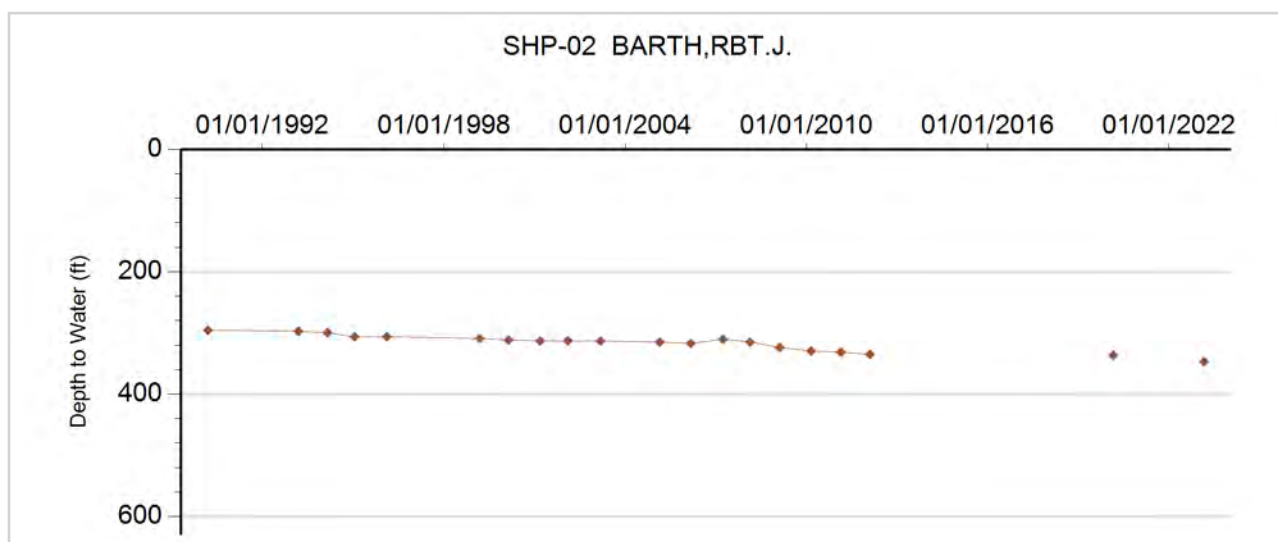
Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	346.87	3308.13	
03/06/2022			
03/06/2021			
02/27/2020	336.49	3318.51	
03/01/2019			
03/01/2018			
03/02/2017			
03/10/2016			
02/20/2015			
03/18/2014			

Well Measurement Summary

Start Date: 03/12/1990 End Date: 03/01/2023

Number of Measurements: 29





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

Construction Information

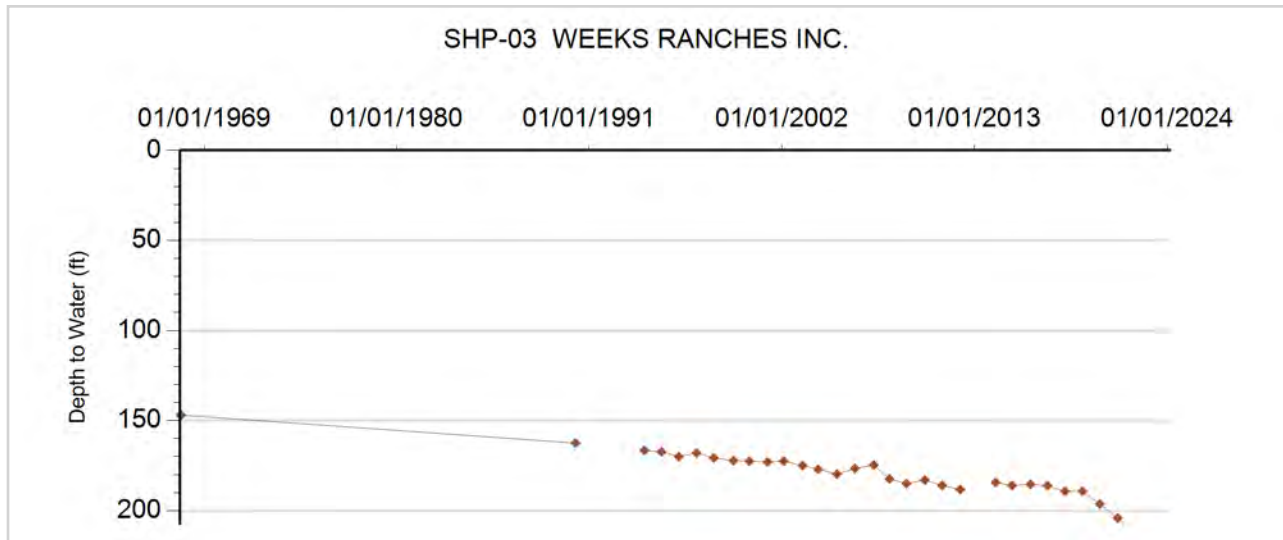
Surface Elevation (ft): 3827
Well Depth (ft): 208
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): OGALLALA

Well Measurement Summary

Start Date: 09/01/1967 End Date: 03/07/2024
Number of Measurements: 35

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024			
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





COLORADO
Division of Water Resources
Department of Natural Resources

GROUNDWATER DETAILS

Well Name: SHP-04 NUSSER,D.

Permit Number: 21218-FP-R

WDID:

Data Source: DWR

Location Number: SC02804304ADD1

USGS Site ID: 373816102152002

Applicant/Contact: NUSSER,D.

Physical Location

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

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

Construction Information

Surface Elevation (ft): 3920
Well Depth (ft): 610
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft): 240
Depth to Bottom of Perforated Casing (ft): 600
Source Aquifer(s): OGALLALA

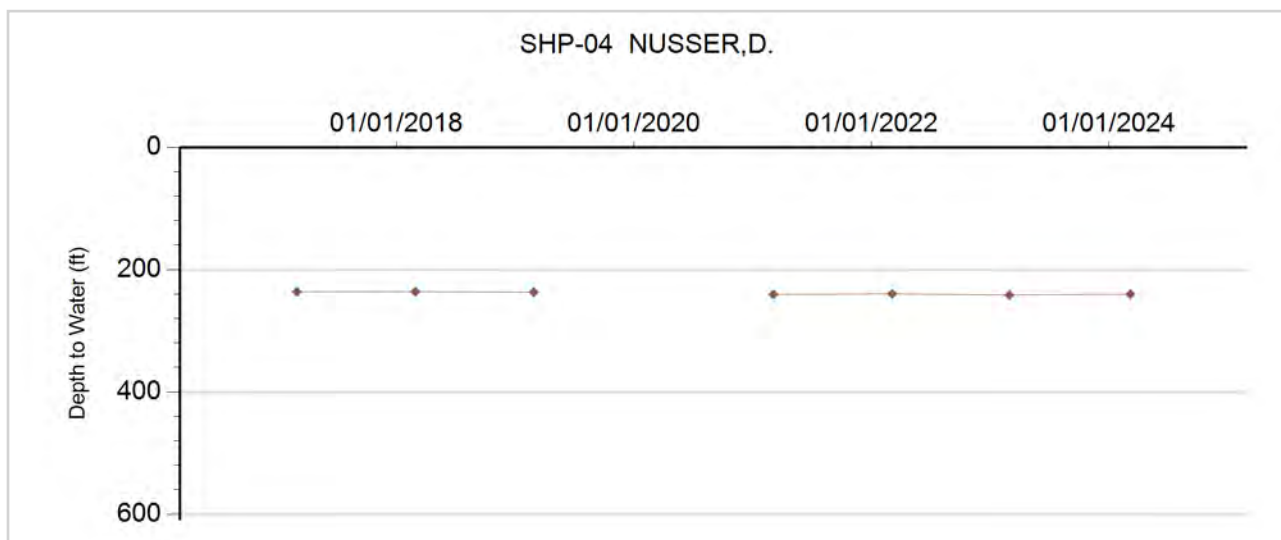
Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024	240.00	3679.65	1.50
03/01/2023	241.50	3678.15	-1.89
03/06/2022	239.61	3680.04	0.99
03/06/2021	240.60	3679.05	
02/27/2020			
02/28/2019	236.83	3682.82	-0.82
03/01/2018	236.01	3683.64	0.13
03/02/2017	236.14	3683.51	

Well Measurement Summary

Start Date: 03/02/2017 End Date: 03/07/2024

Number of Measurements: 8





GROUNDWATER DETAILS

Well Name: SHP-04 (1976-2016)

Permit Number: 21218-FP

WDID:

Data Source: DWR

Location Number: SC02804304ADD

USGS Site ID: 373816102452001

Applicant/Contact:

Physical Location

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

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

Ten Most Recent Readings

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

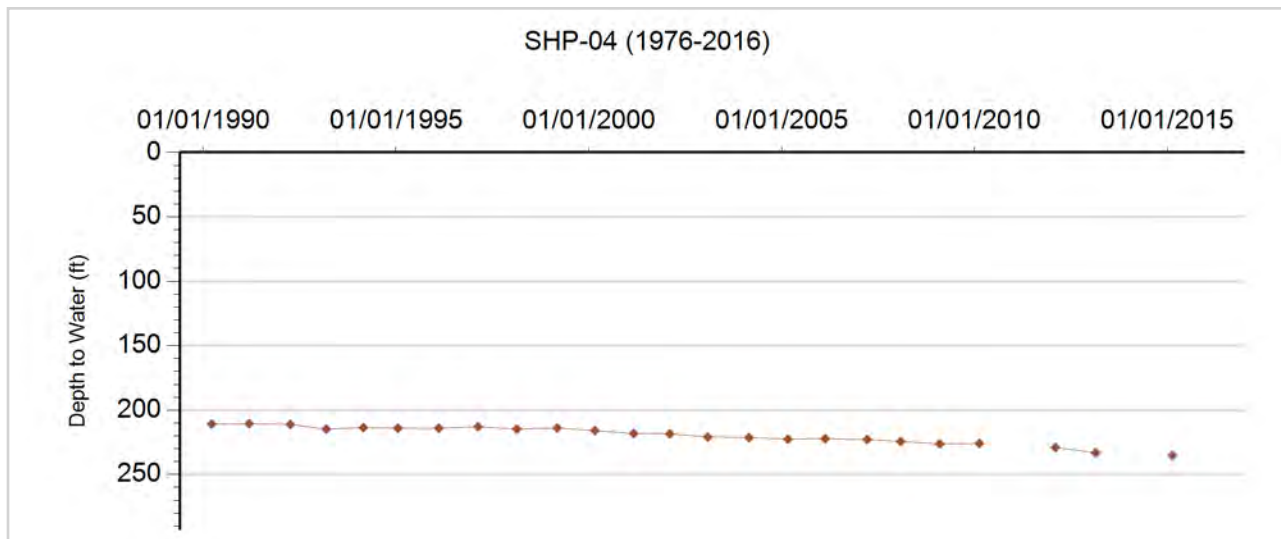
Construction Information

Surface Elevation (ft): 3920
Well Depth (ft): 293
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft): 233
Depth to Bottom of Perforated Casing (ft): 293
Source Aquifer(s):

Well Measurement Summary

Start Date: 03/21/1990 End Date: 03/09/2016

Number of Measurements: 27





GROUNDWATER DETAILS

Well Name: SHP-05 SCHNABEL,D.L.

Permit Number: 15639-FP

WDID:

Data Source: DWR

Location Number: SC02804304CA

USGS Site ID:

Applicant/Contact: SCHNABEL,D.L.

Physical Location

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

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

Construction Information

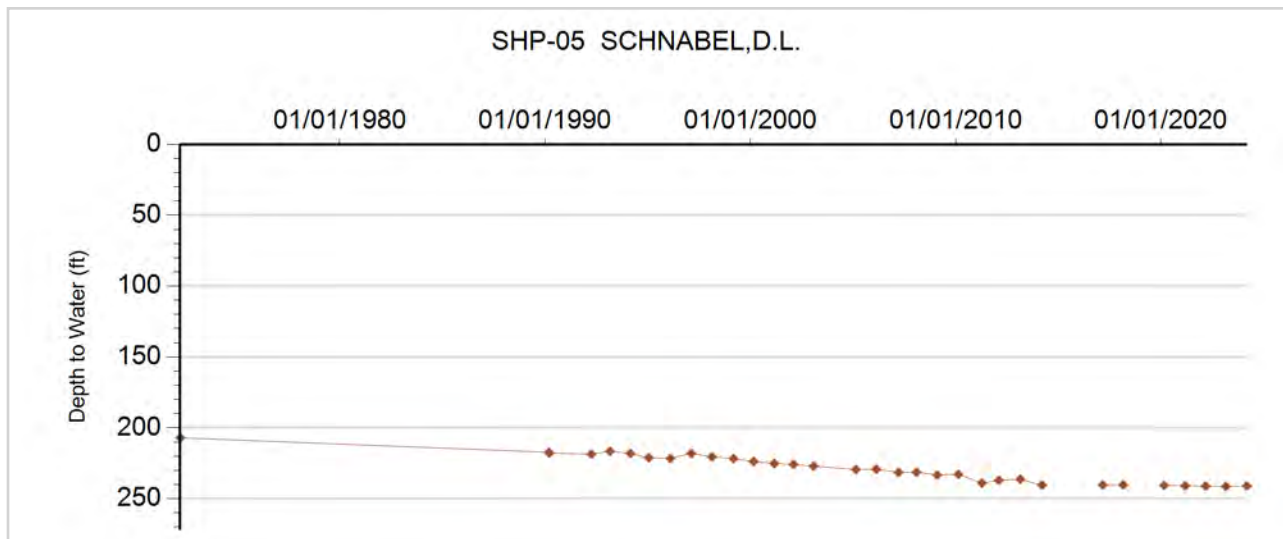
Surface Elevation (ft): 3949
Well Depth (ft): 272
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): OGALLALA

Well Measurement Summary

Start Date: 03/30/1972 End Date: 03/07/2024
Number of Measurements: 35

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024	241.02	3708.05	0.31
03/01/2023	241.33	3707.74	-0.25
03/06/2022	241.08	3707.99	-0.27
03/06/2021	240.81	3708.26	-0.26
02/27/2020	240.55	3708.52	
02/28/2019			
03/01/2018	240.19	3708.88	0.06
03/02/2017	240.25	3708.82	
03/09/2016			
02/20/2015			





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

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

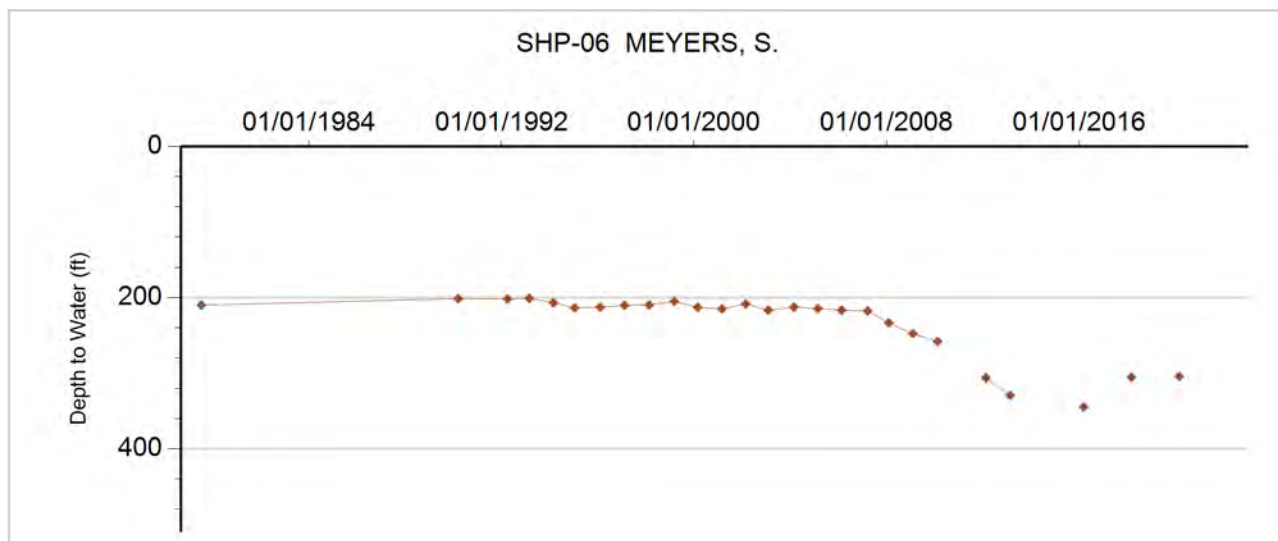
Well Measurement Summary

Start Date: 07/17/1979 End Date: 03/06/2022

Number of Measurements: 33

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





GROUNDWATER DETAILS

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

Permit Number: 6081-FP

WDID:

Data Source: DWR

Location Number: SC02804321BDD

USGS Site ID:

Applicant/Contact: GRIFFIN,L.& OTHERS

Physical Location

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

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

Construction Information

Surface Elevation (ft): 3962
Well Depth (ft): 242
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft): 156
Depth to Bottom of Perforated Casing (ft): 227
Source Aquifer(s): OGALLALA

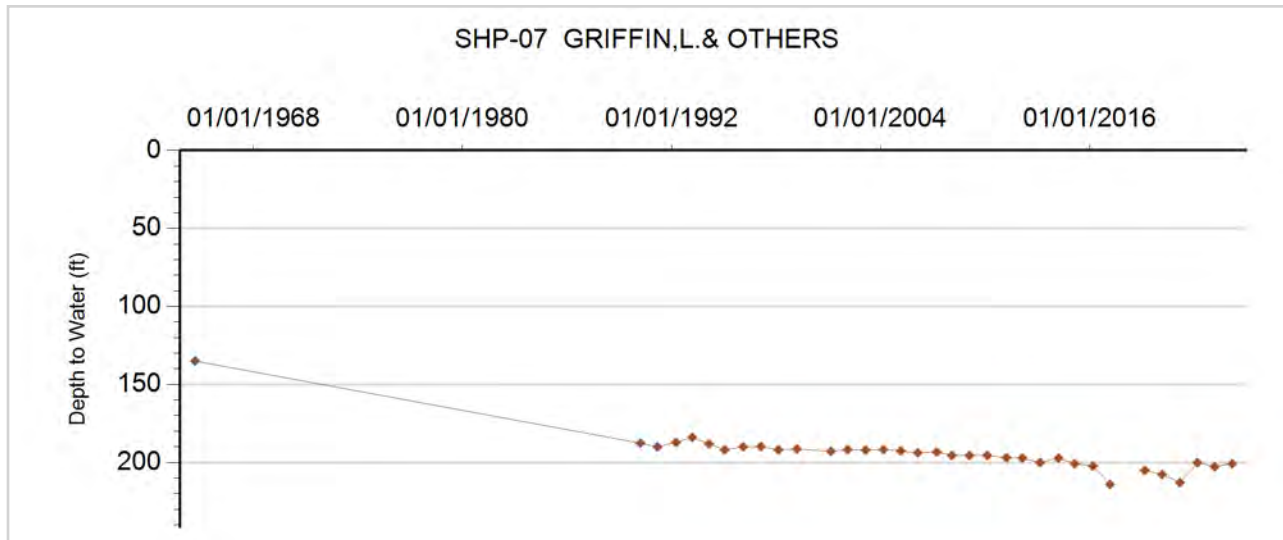
Well Measurement Summary

Start Date: 08/29/1964 End Date: 03/05/2024

Number of Measurements: 35

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2024	200.80	3760.85	1.91
03/01/2023	202.71	3758.94	-2.56
03/06/2022	200.15	3761.50	12.76
03/06/2021	212.91	3748.74	-5.23
02/27/2020	207.68	3753.97	-2.60
02/28/2019	205.08	3756.57	
03/01/2018			
03/02/2017	214.08	3747.57	-11.81
03/09/2016	202.27	3759.38	-1.39
02/20/2015	200.88	3760.77	-3.69





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

Construction Information

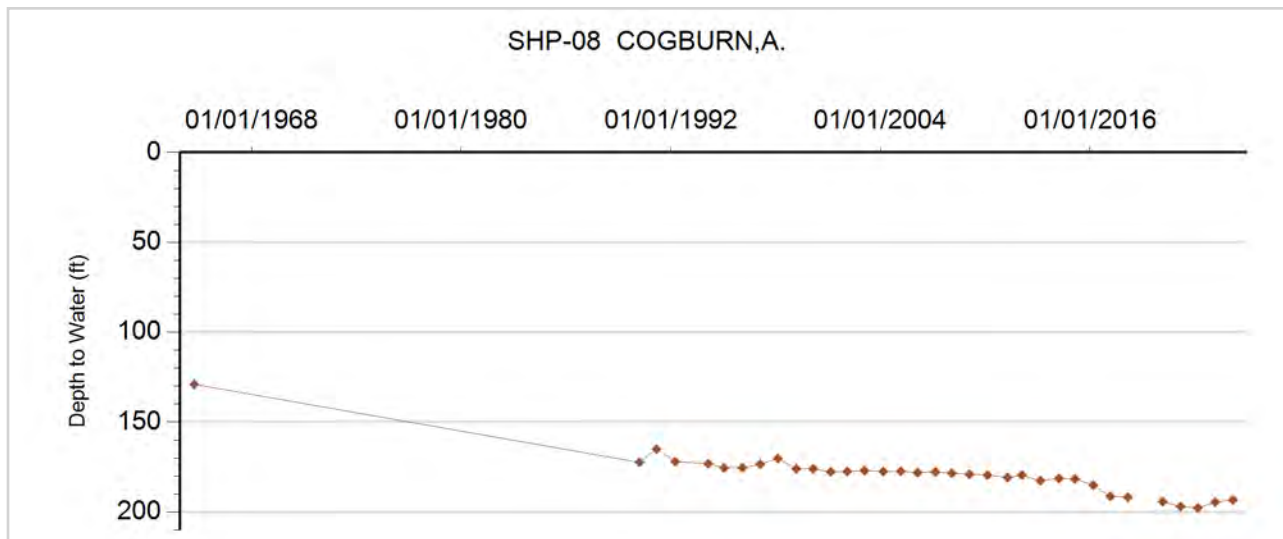
Surface Elevation (ft): 3940
Well Depth (ft): 210
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): OGALLALA

Well Measurement Summary

Start Date: 09/24/1964 End Date: 03/07/2024
Number of Measurements: 35

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024	193.32	3746.68	1.21
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





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

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

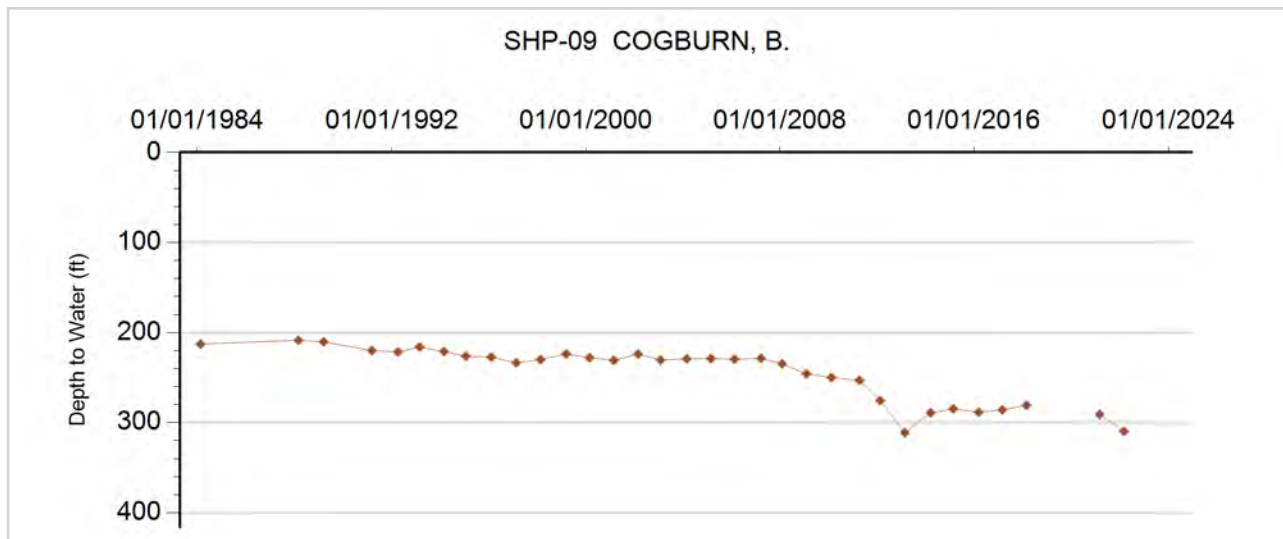
Well Measurement Summary

Start Date: 02/17/1984 End Date: 03/05/2024

Number of Measurements: 37

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2024			
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





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

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

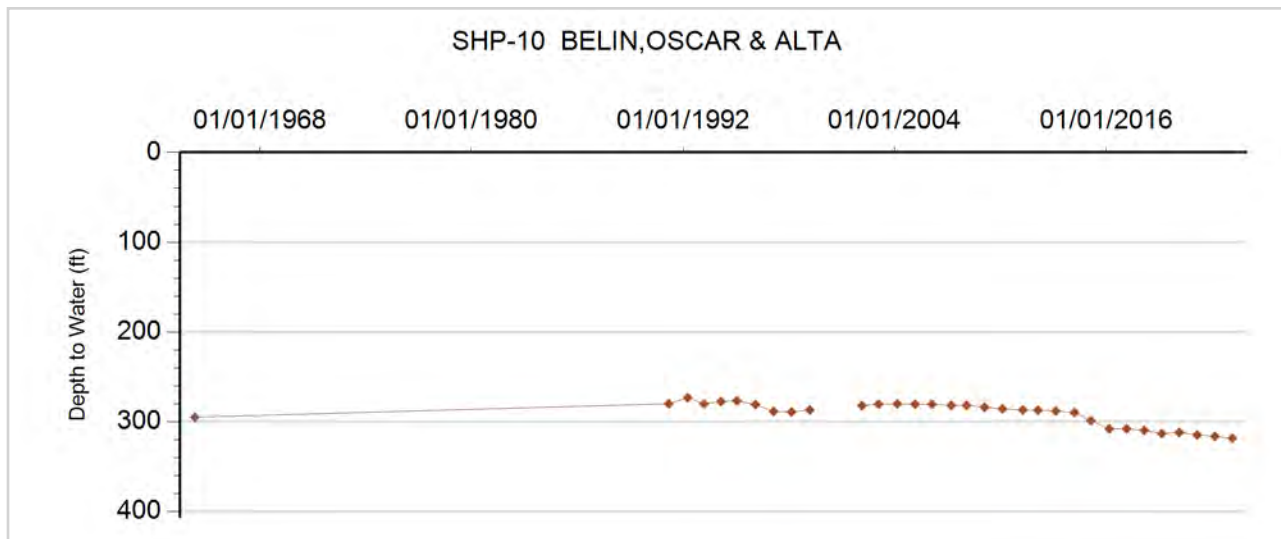
Well Measurement Summary

Start Date: 04/24/1964 End Date: 03/01/2023

Number of Measurements: 34

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





GROUNDWATER DETAILS

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

Permit Number: 9350-FP

WDID:

Data Source: DWR

Location Number: SC02804514ADC

USGS Site ID:

Applicant/Contact: AUSMUS,G,& S.

Physical Location

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

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

Construction Information

Surface Elevation (ft): 4150
Well Depth (ft): 430
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

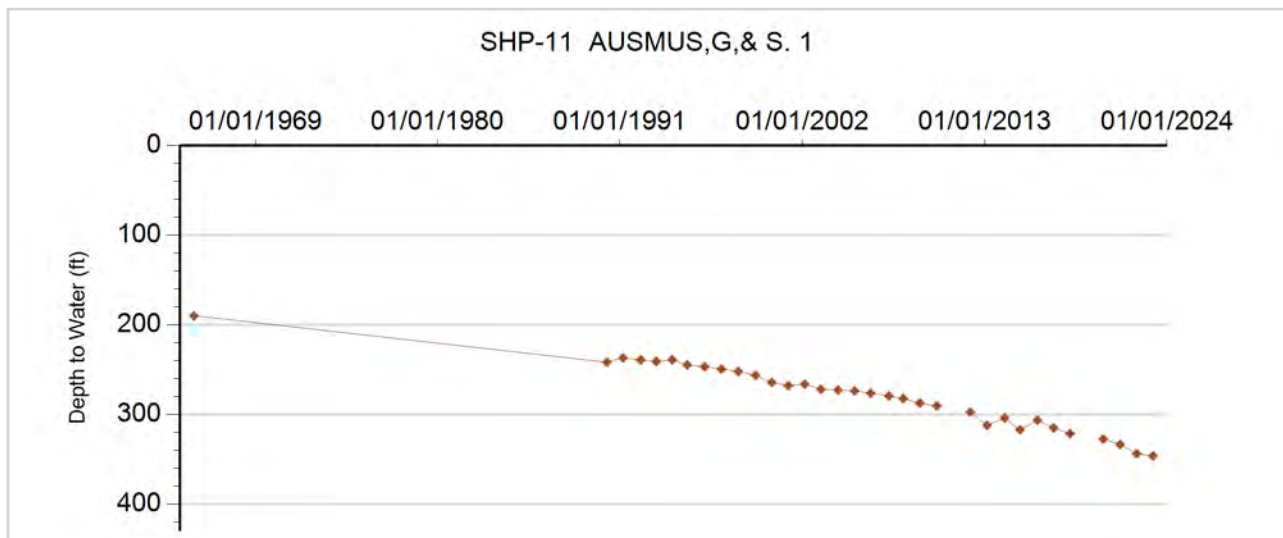
Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2023	346.39	3803.61	-2.51
03/06/2022	343.88	3806.12	-10.30
03/06/2021	333.58	3816.42	-6.10
02/27/2020	327.48	3822.52	
02/28/2019			
02/28/2018	321.37	3828.63	-6.23
03/01/2017	315.14	3834.86	-8.50
03/09/2016	306.64	3843.36	10.44
02/20/2015	317.08	3832.92	-12.98
03/18/2014	304.10	3845.90	8.00

Well Measurement Summary

Start Date: 04/23/1965 End Date: 03/01/2023

Number of Measurements: 35





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

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

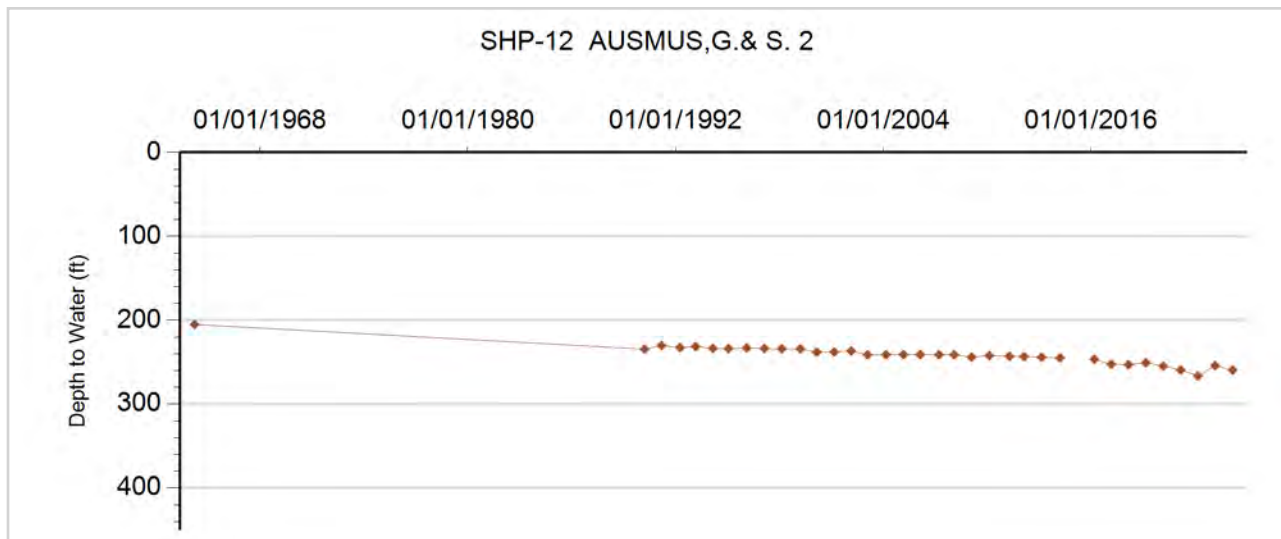
Well Measurement Summary

Start Date: 03/23/1964 End Date: 03/05/2024

Number of Measurements: 36

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2024	259.49	3945.51	-5.46
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			





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

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

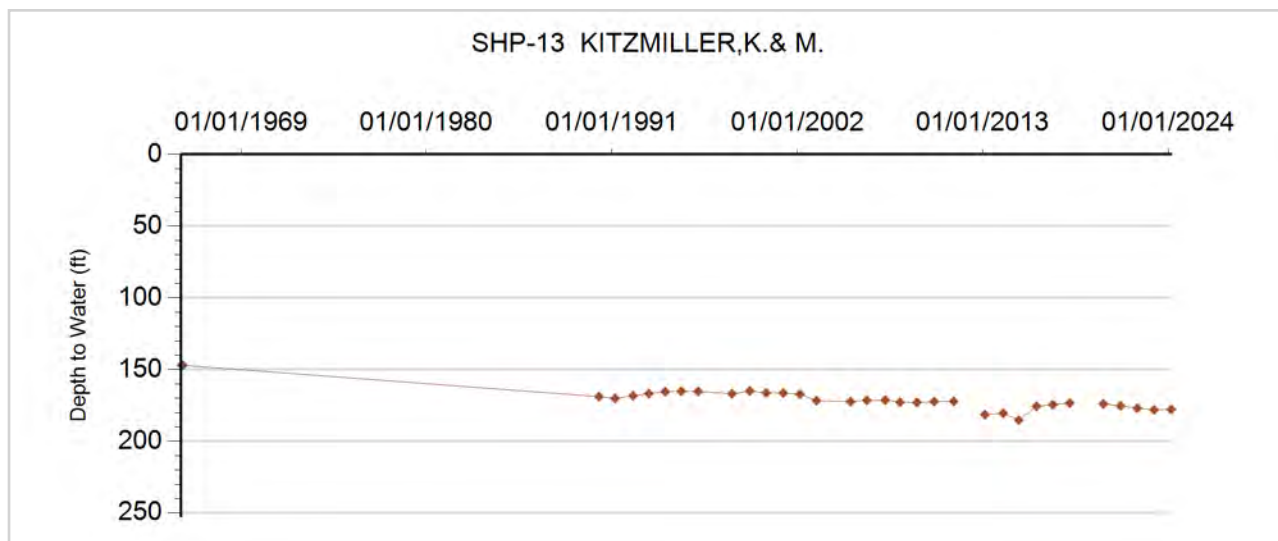
Well Measurement Summary

Start Date: 07/01/1965 End Date: 03/05/2024

Number of Measurements: 35

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2024	177.72	4134.24	0.28
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





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

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

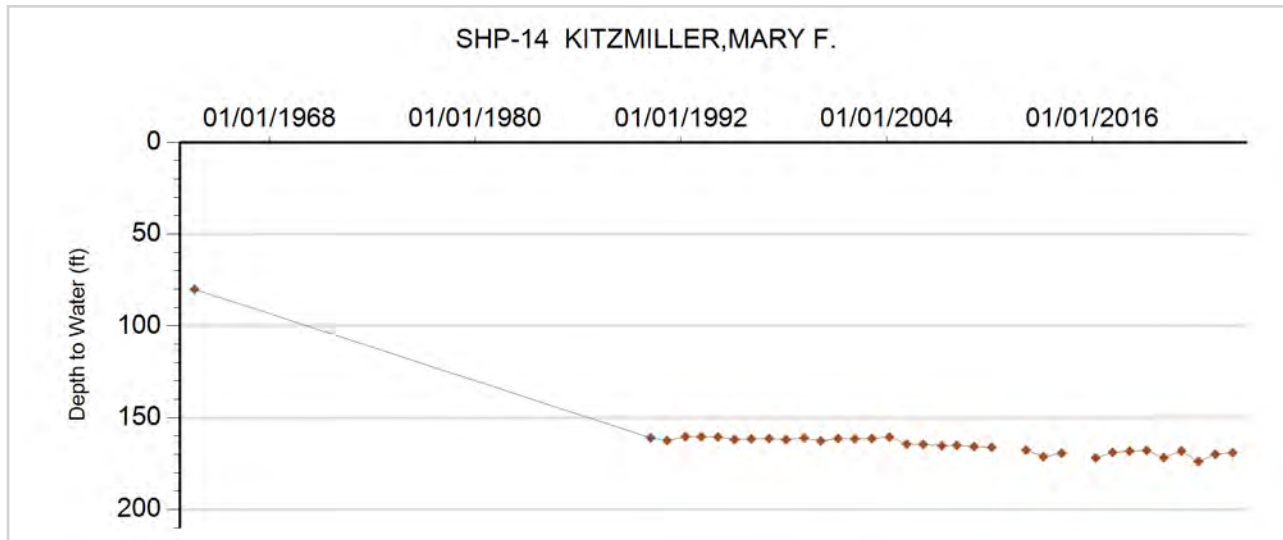
Well Measurement Summary

Start Date: 08/22/1963 End Date: 03/05/2024

Number of Measurements: 36

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2024	169.05	4215.95	0.85
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			





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: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

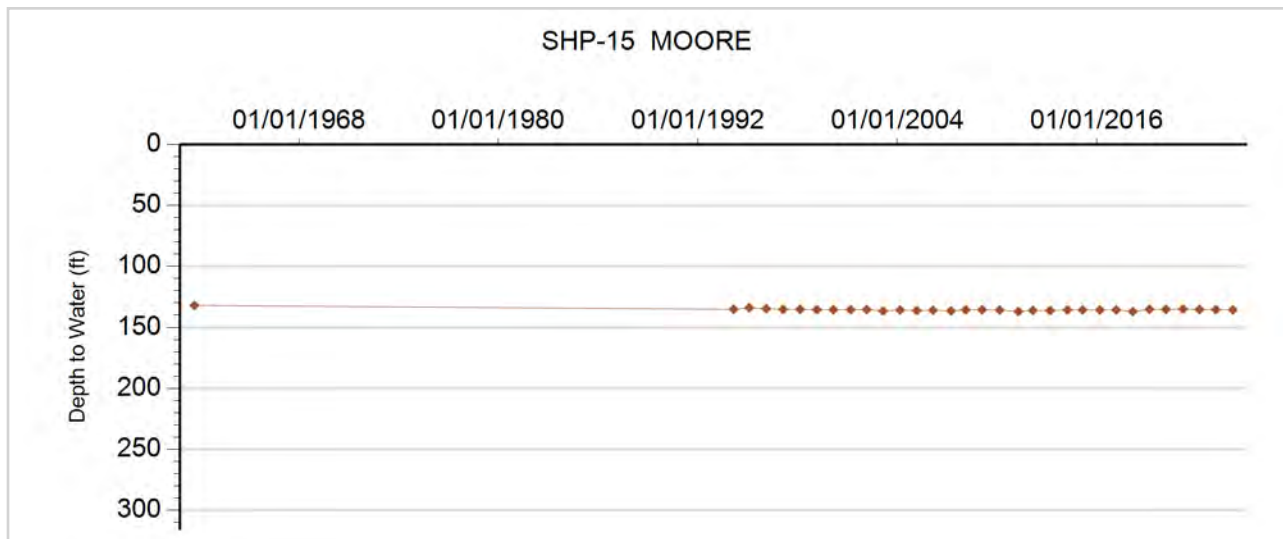
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2024	135.70	4474.30	-0.27
02/27/2023	135.43	4474.57	-0.10
03/03/2022	135.33	4474.67	-0.33
03/06/2021	135.00	4475.00	0.28
02/27/2020	135.28	4474.72	-0.08
02/28/2019	135.20	4474.80	1.77
02/28/2018	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

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: 03/05/2024
Number of Measurements: 32





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

Construction Information

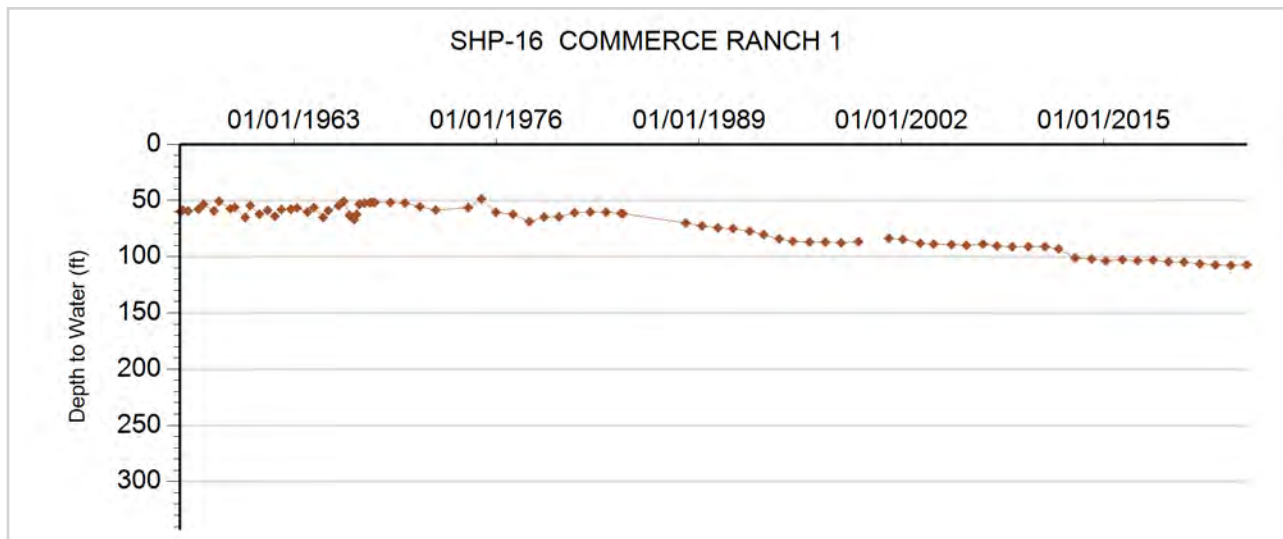
Surface Elevation (ft): 3915
Well Depth (ft): 343
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 09/20/1955 End Date: 03/07/2024
Number of Measurements: 85

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024	107.13	3807.45	0.57
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





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

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

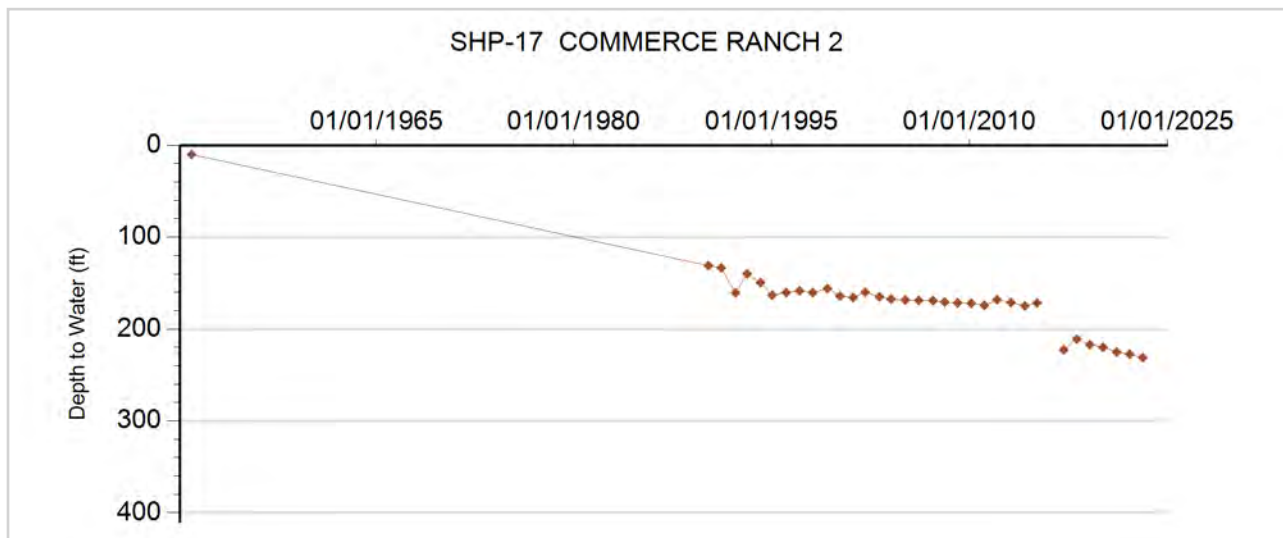
Well Measurement Summary

Start Date: 01/01/1951 End Date: 03/07/2024

Number of Measurements: 36

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024			
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





GROUNDWATER DETAILS

Well Name: SHP-18 COMMERCE RANCH 3

Permit Number: 18427-SFP

WDID:

Data Source: DWR

Location Number: SC02904316CBB

USGS Site ID:

Applicant/Contact: COMMERCE RANCH

Physical Location

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

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

Construction Information

Surface Elevation (ft): 3936
Well Depth (ft): 465
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

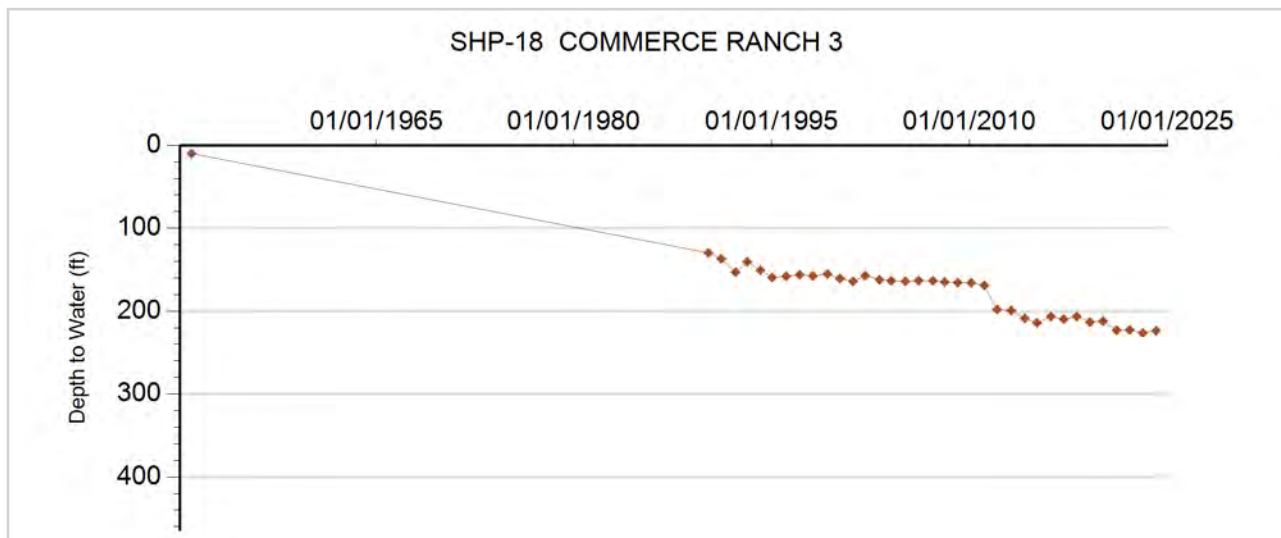
Well Measurement Summary

Start Date: 01/01/1951 End Date: 03/07/2024

Number of Measurements: 36

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024	223.51	3712.49	2.89
03/01/2023	226.40	3709.60	-3.87
03/05/2022	222.53	3713.47	0.53
03/06/2021	223.06	3712.94	-11.13
02/26/2020	211.93	3724.07	1.35
02/27/2019	213.28	3722.72	-6.84
03/01/2018	206.44	3729.56	3.13
03/02/2017	209.57	3726.43	-3.17
03/10/2016	206.40	3729.60	7.70
02/20/2015	214.10	3721.90	-5.44





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

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

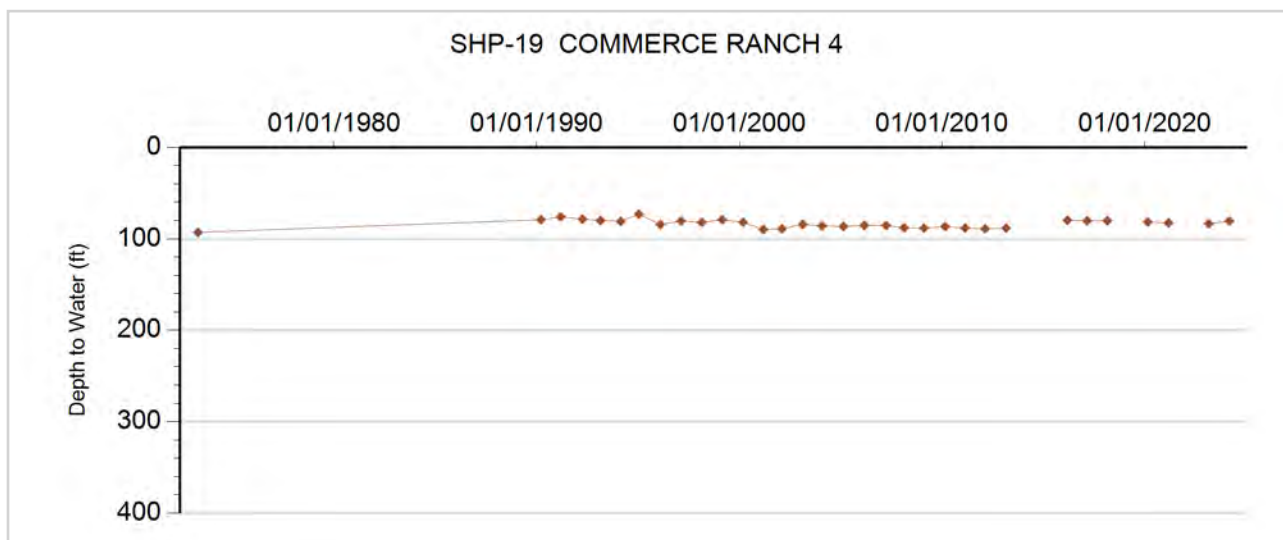
Well Measurement Summary

Start Date: 04/16/1973 End Date: 03/07/2024

Number of Measurements: 36

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024	80.57	3834.43	2.87
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			





GROUNDWATER DETAILS

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

Permit Number: 12273-R

WDID:

Data Source: DWR

Location Number: SC02904331CCC

USGS Site ID:

Applicant/Contact: THOMPSON,H.J.

Physical Location

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

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

Construction Information

Surface Elevation (ft): 3964
Well Depth (ft): 416
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

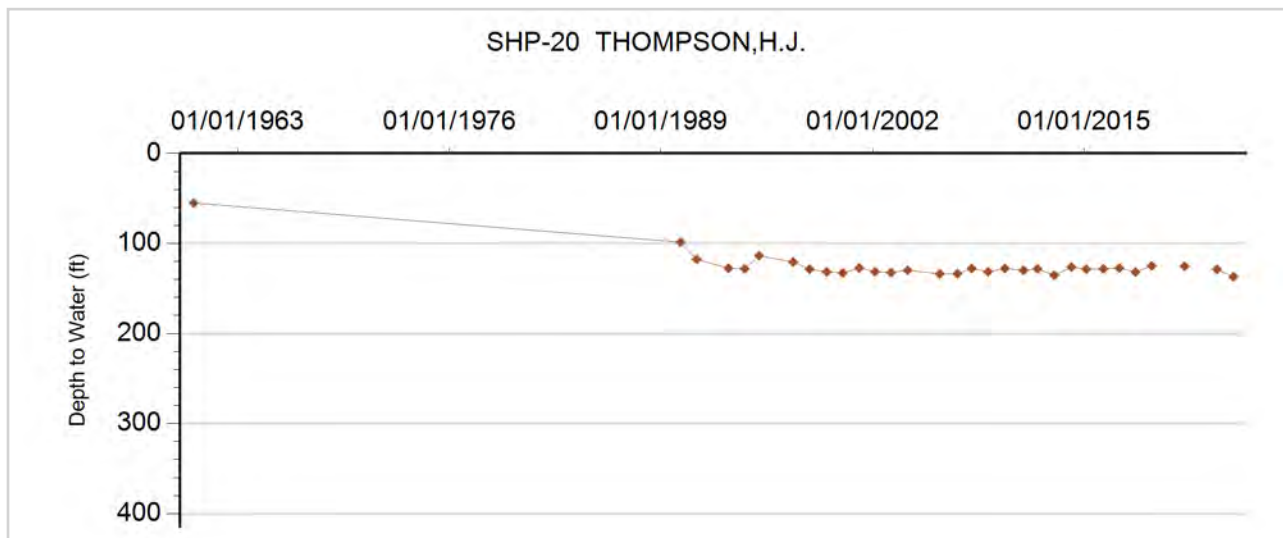
Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024	136.87	3827.13	-8.23
03/01/2023	128.64	3835.36	
03/05/2022			
03/05/2021	125.29	3838.71	
02/26/2020			
02/27/2019	124.91	3839.09	6.78
03/01/2018	131.69	3832.31	-4.48
03/02/2017	127.21	3836.79	0.99
03/10/2016	128.20	3835.80	0.34
02/19/2015	128.54	3835.46	-2.39

Well Measurement Summary

Start Date: 04/20/1960 End Date: 03/07/2024

Number of Measurements: 33





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

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

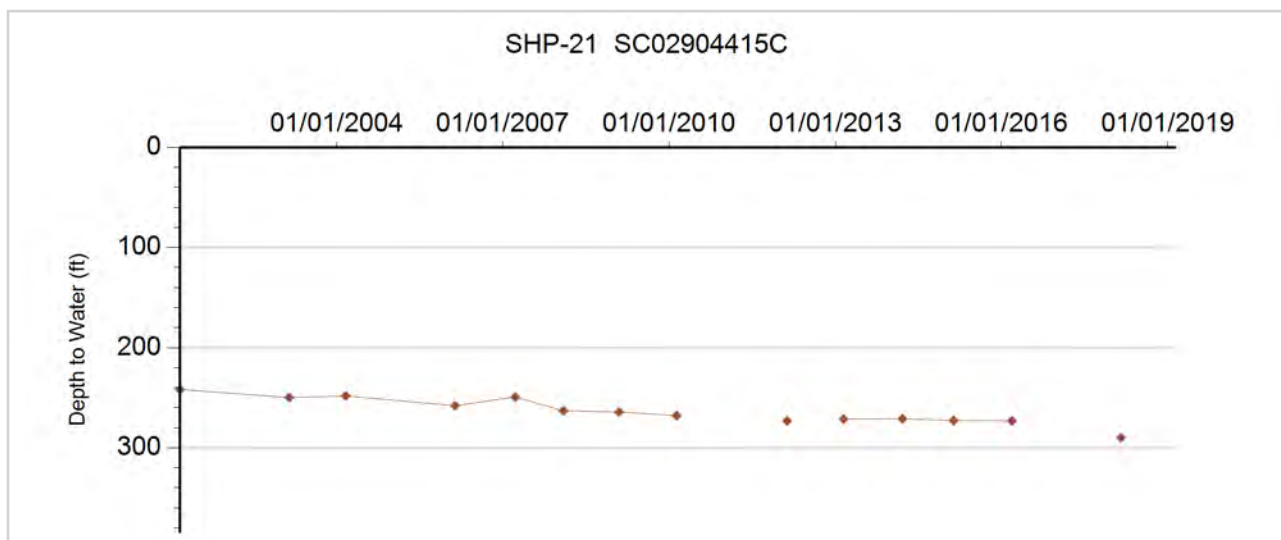
Well Measurement Summary

Start Date: 03/04/2001 End Date: 02/28/2019

Number of Measurements: 18

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			





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: SOUTHERN HIGH PLAINS

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: 03/05/2024
Number of Measurements: 57

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2024	80.36	4301.66	-0.23
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





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: SOUTHERN HIGH PLAINS

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

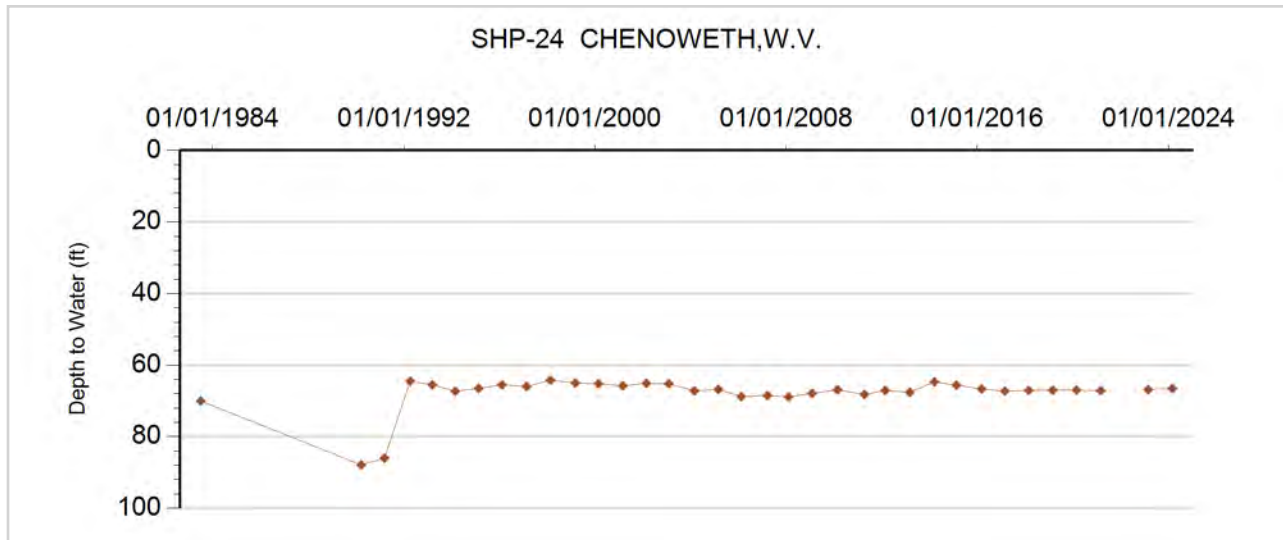
Well Measurement Summary

Start Date: 07/01/1983 End Date: 03/05/2024

Number of Measurements: 36

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2024	66.57	4313.43	0.26
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





COLORADO
Division of Water Resources
Department of Natural Resources

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: SOUTHERN HIGH PLAINS

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

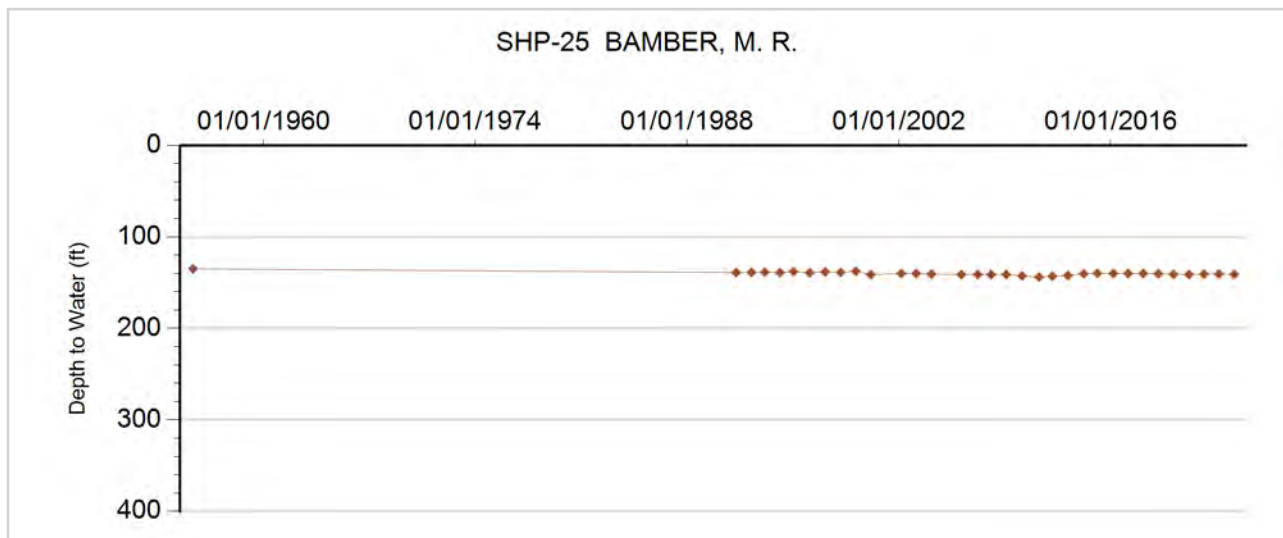
Well Measurement Summary

Start Date: 05/05/1955 End Date: 03/05/2024

Number of Measurements: 33

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2024	141.04	4533.96	-0.31
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





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

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

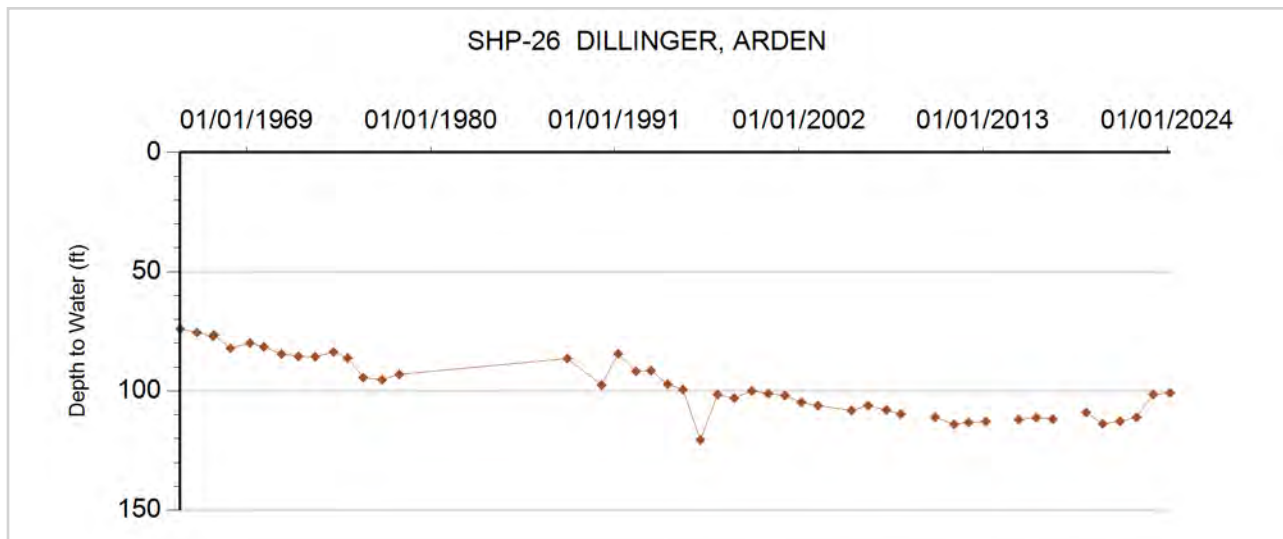
Well Measurement Summary

Start Date: 01/15/1965 End Date: 03/07/2024

Number of Measurements: 51

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024	100.82	3584.66	0.66
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	





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

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

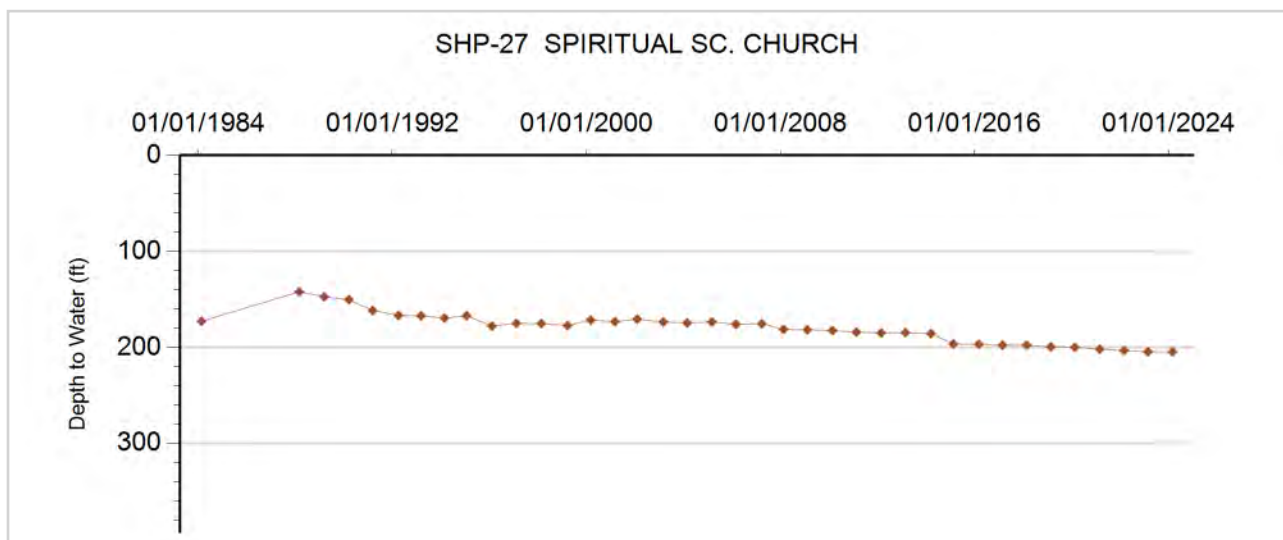
Well Measurement Summary

Start Date: 02/20/1984 End Date: 03/06/2024

Number of Measurements: 38

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	204.34	3625.66	-0.01
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





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

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

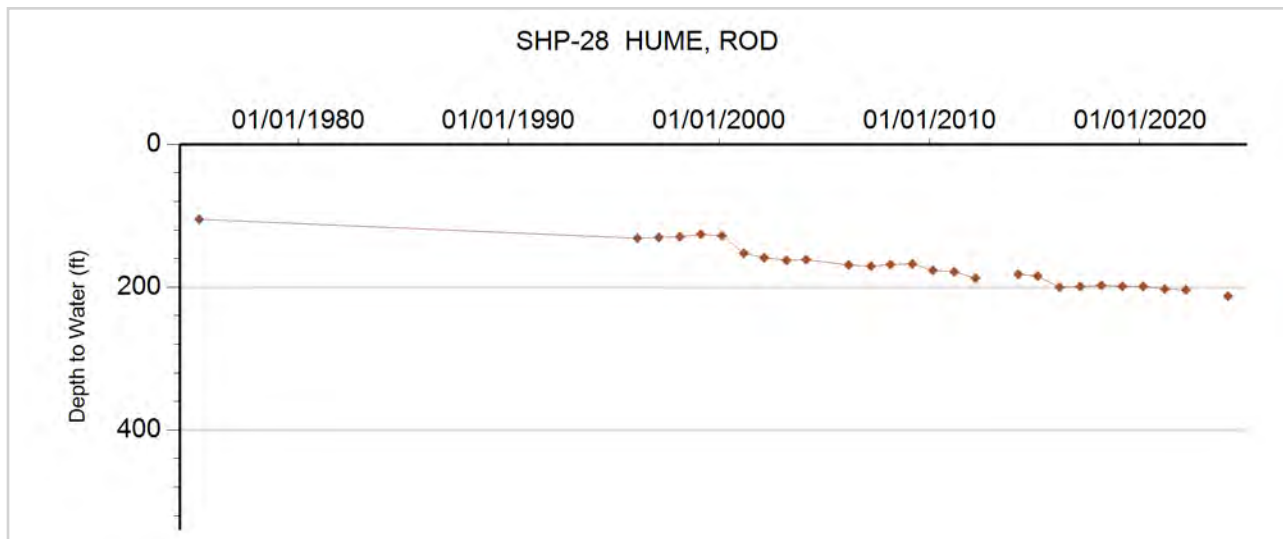
Well Measurement Summary

Start Date: 04/20/1975 End Date: 03/07/2024

Number of Measurements: 29

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024	212.50	3567.50	
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





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

Construction Information

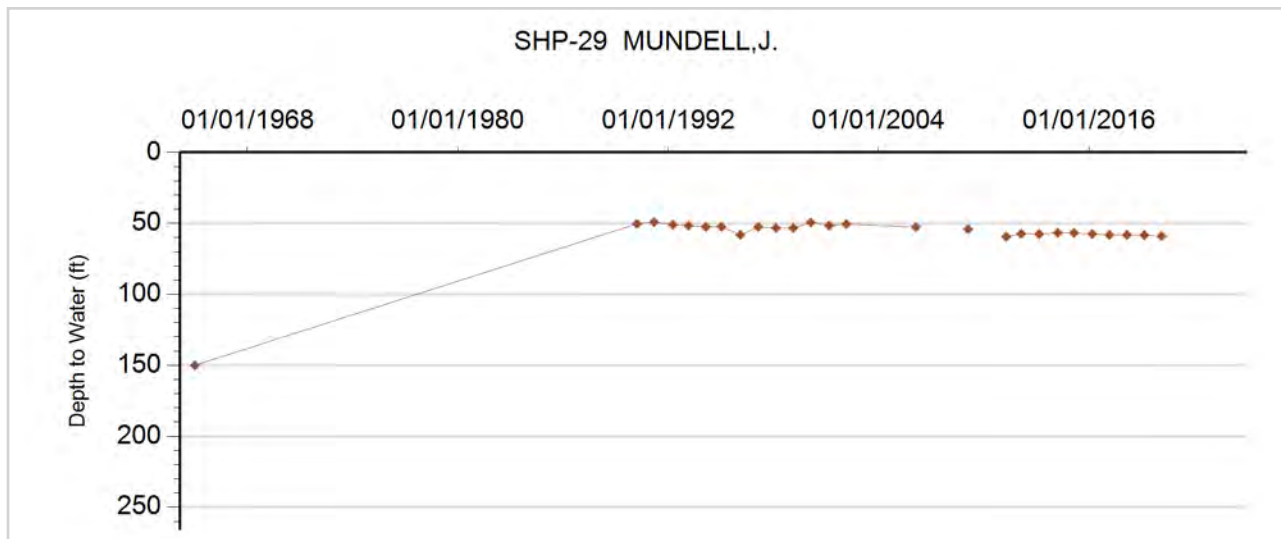
Surface Elevation (ft): 3864
Well Depth (ft): 266
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 12/30/1964 End Date: 03/07/2024
Number of Measurements: 33

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024			
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





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

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

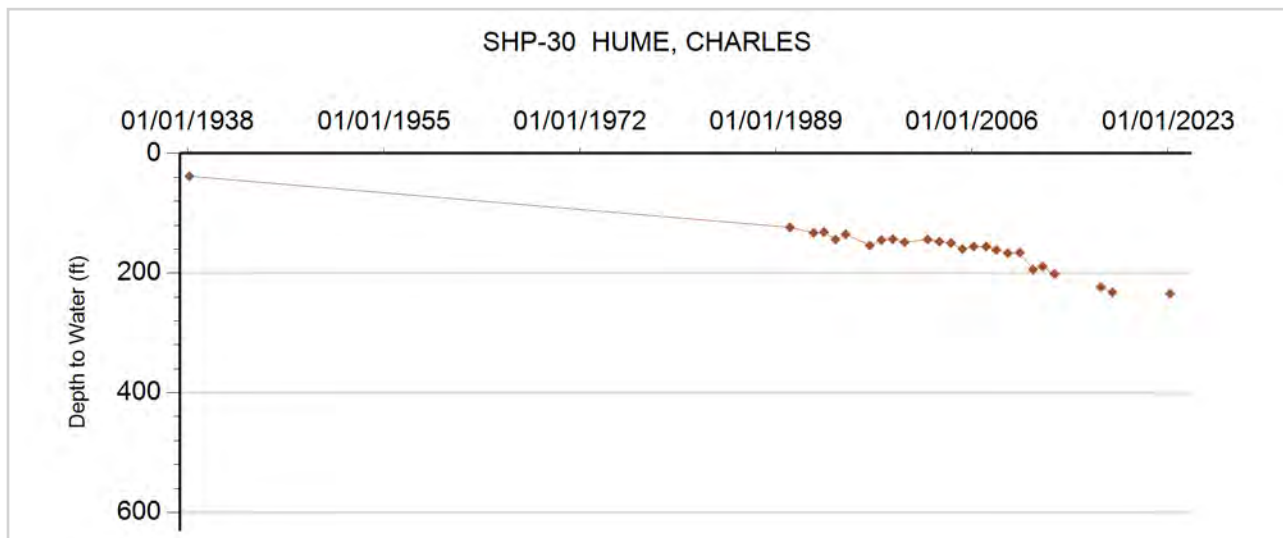
Well Measurement Summary

Start Date: 02/21/1938 End Date: 03/07/2024

Number of Measurements: 33

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024			
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			





COLORADO
Division of Water Resources
Department of Natural Resources

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

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

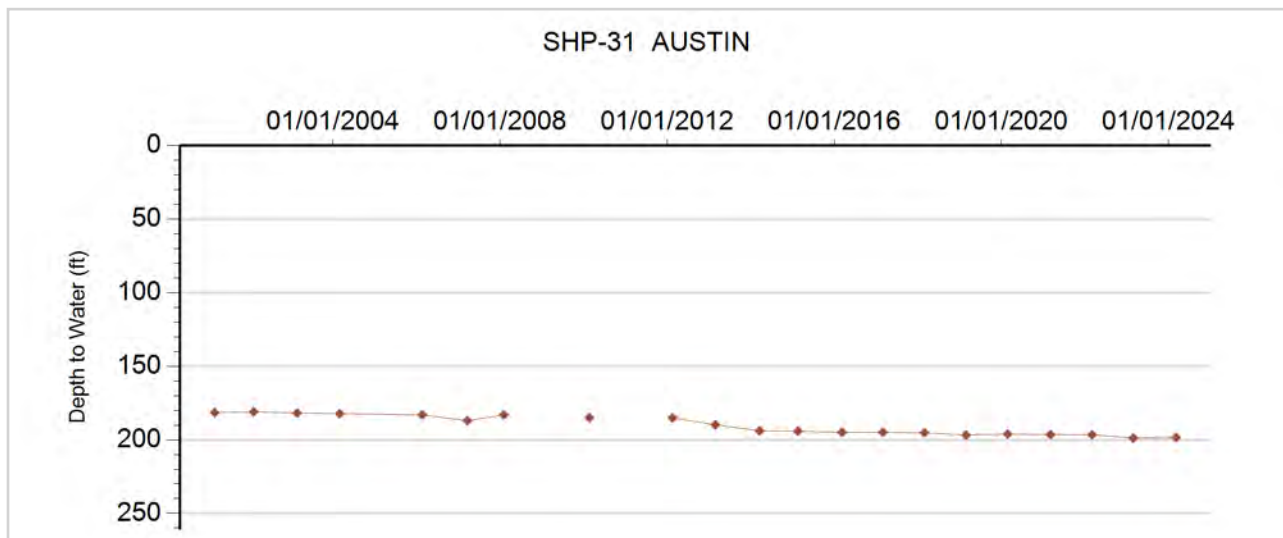
Well Measurement Summary

Start Date: 03/04/2001 End Date: 03/07/2024

Number of Measurements: 23

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024	198.39	3851.61	0.36
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





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

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: 03/07/2024

Number of Measurements: 37

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024	251.73	3896.27	0.33
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





COLORADO

Division of Water Resources

Department of Natural Resources

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

Construction Information

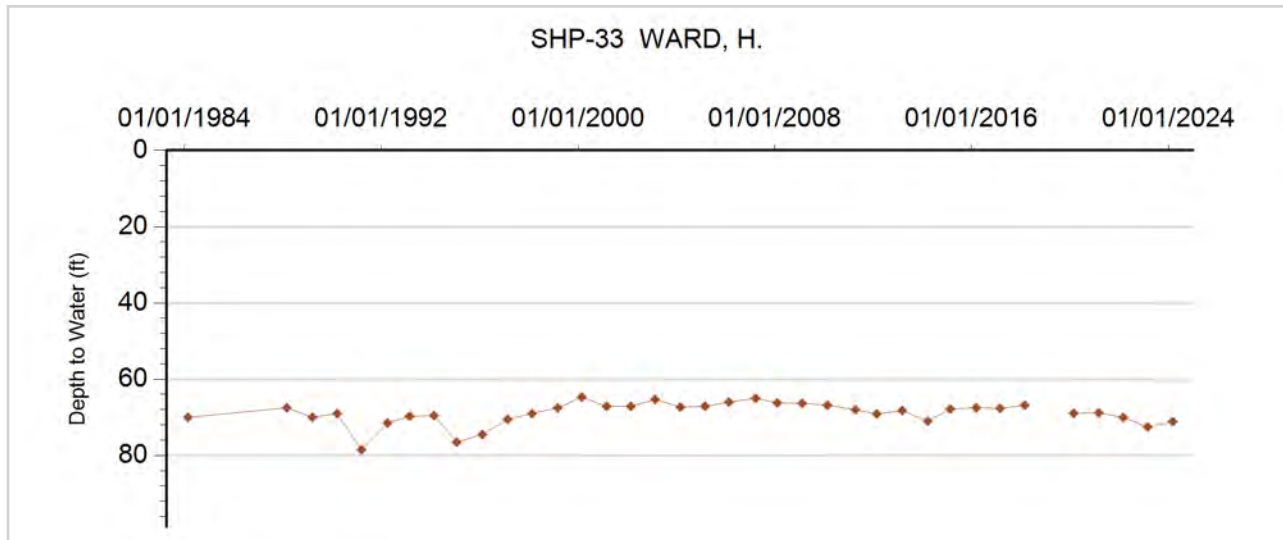
Surface Elevation (ft): 4238
Well Depth (ft): 99
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 02/21/1984 End Date: 03/07/2024
Number of Measurements: 38

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024	71.11	4166.89	1.41
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





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: SOUTHERN HIGH PLAINS

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

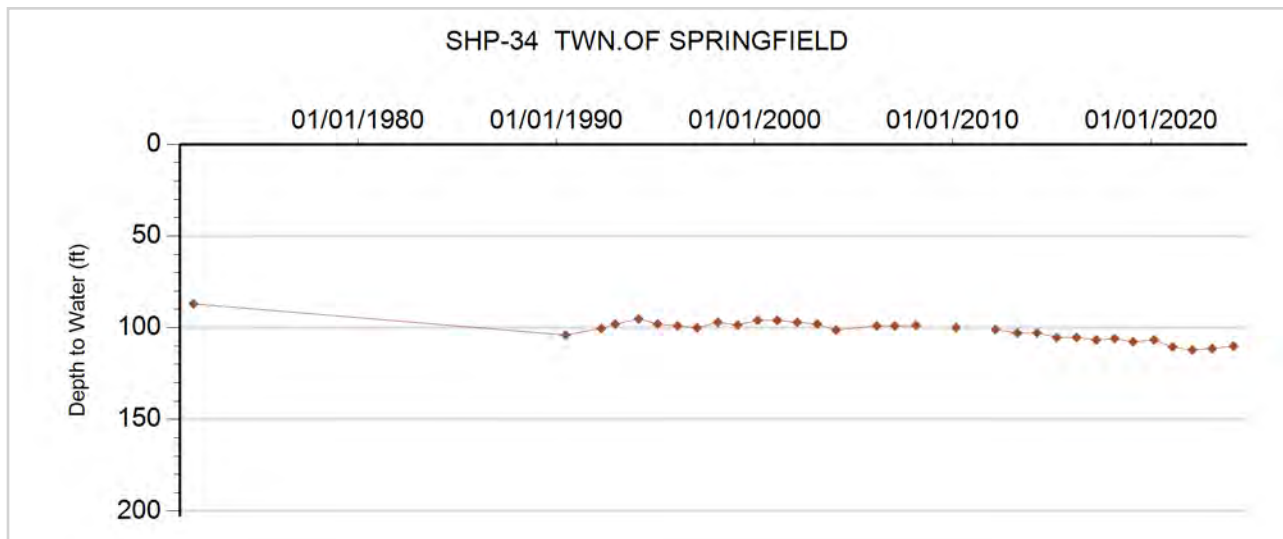
Well Measurement Summary

Start Date: 09/14/1971 End Date: 03/01/2024

Number of Measurements: 34

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2024	110.02	4281.98	1.31
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





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: SOUTHERN HIGH PLAINS

Construction Information

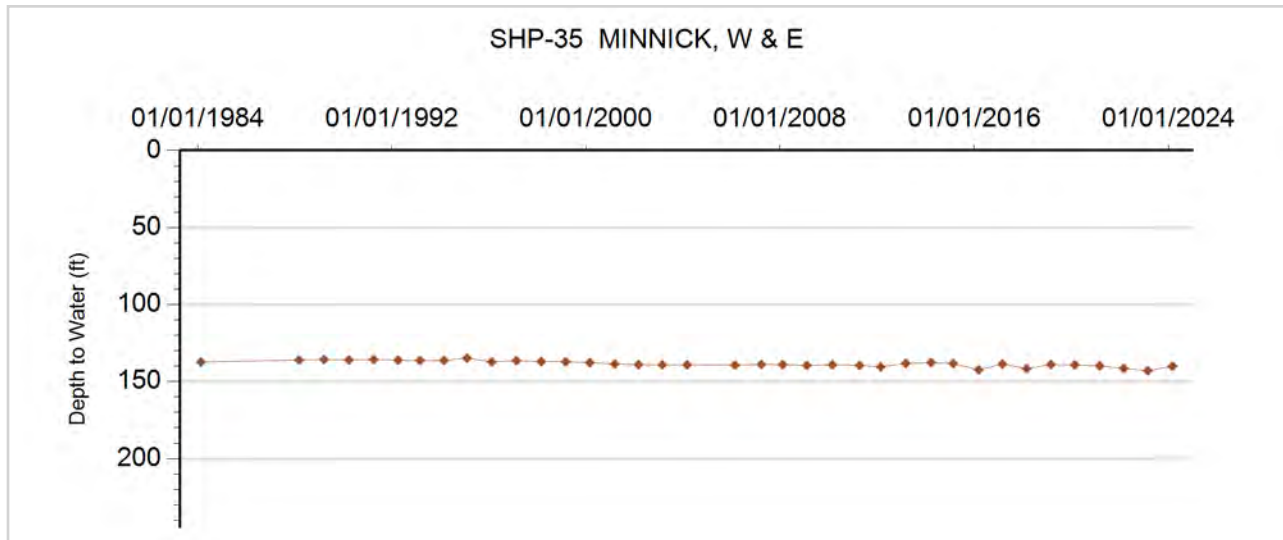
Surface Elevation (ft): 4672
Well Depth (ft): 245
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 02/17/1984 End Date: 03/05/2024
Number of Measurements: 37

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2024	140.00	4532.00	2.90
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





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: SOUTHERN HIGH PLAINS

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

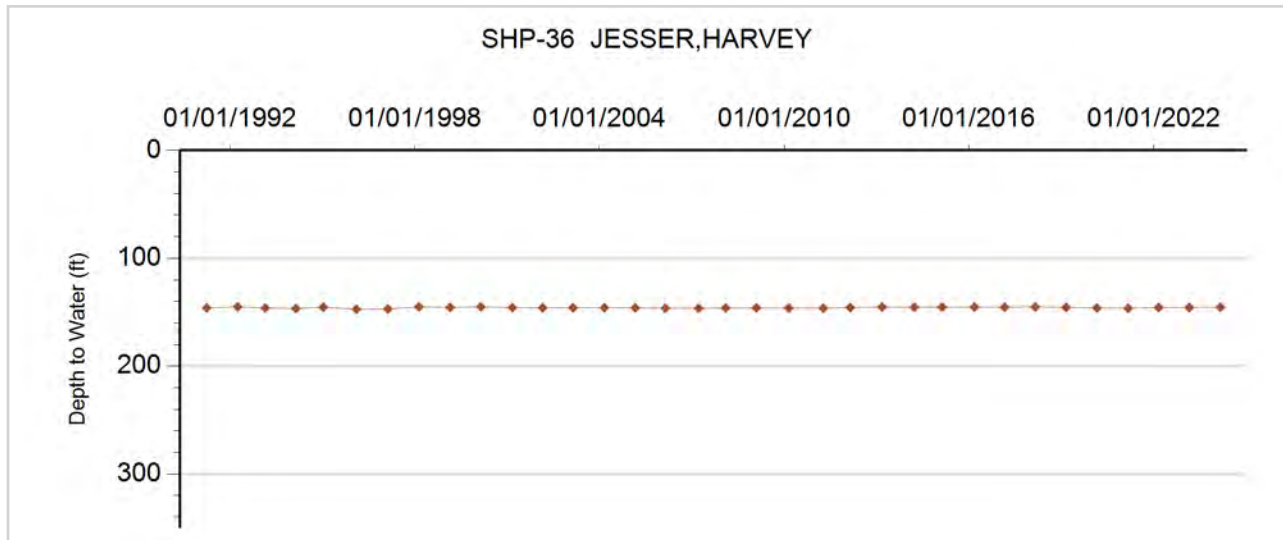
Well Measurement Summary

Start Date: 04/02/1991 End Date: 03/05/2024

Number of Measurements: 34

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2024	145.37	4634.63	0.20
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





COLORADO
Division of Water Resources
Department of Natural Resources

GROUNDWATER DETAILS

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

Permit Number: 13002-RFP

WDID:

Data Source: DWR

Location Number: SC03104108DD

USGS Site ID:

Applicant/Contact: C.D.M. TRUST

Physical Location

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

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

Construction Information

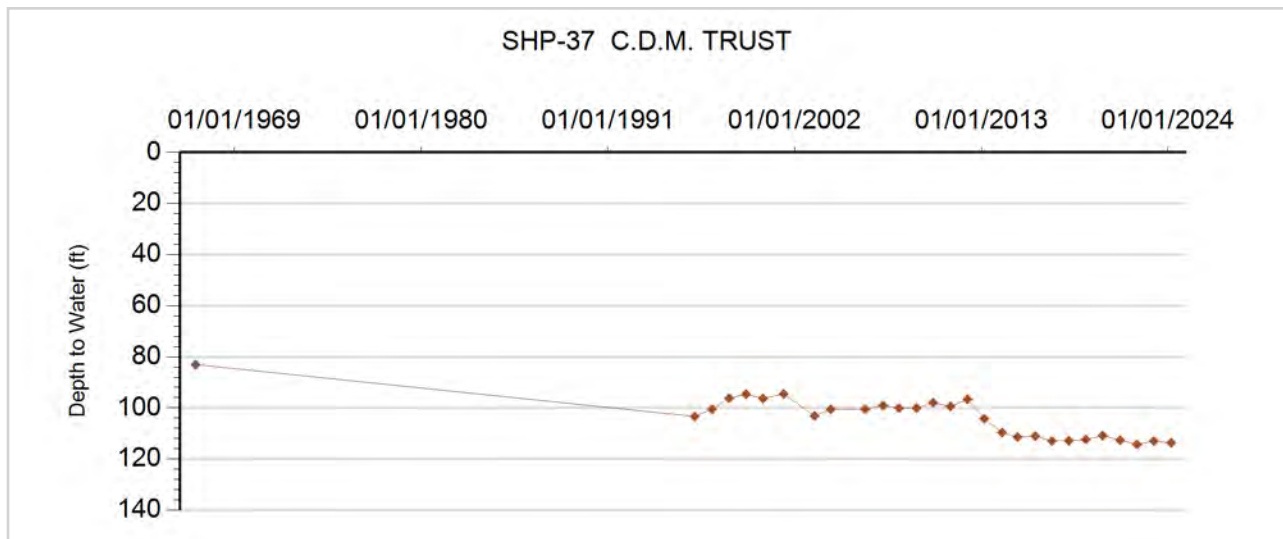
Surface Elevation (ft): 3690
Well Depth (ft): 140
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): OGALLALA

Well Measurement Summary

Start Date: 09/15/1966 End Date: 03/07/2024
Number of Measurements: 28

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024	113.61	3576.87	-0.64
03/01/2023	112.97	3577.51	1.32
03/04/2022	114.29	3576.19	-1.69
03/05/2021	112.60	3577.88	-1.80
02/25/2020	110.80	3579.68	1.54
02/27/2019	112.34	3578.14	0.46
02/27/2018	112.80	3577.68	0.09
03/01/2017	112.89	3577.59	-1.90
03/08/2016	110.99	3579.49	0.36
02/19/2015	111.35	3579.13	-1.77





GROUNDWATER DETAILS

Well Name: SHP-38 MOORE, JOHN M.

Permit Number: 10290-FP

WDID:

Data Source: DWR

Location Number: SC03104230BAA

USGS Site ID:

Applicant/Contact: MOORE, JOHN M.

Physical Location

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

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

Construction Information

Surface Elevation (ft): 3830
Well Depth (ft): 380
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft): 85
Depth to Bottom of Perforated Casing (ft): 380
Source Aquifer(s): DOCKUM

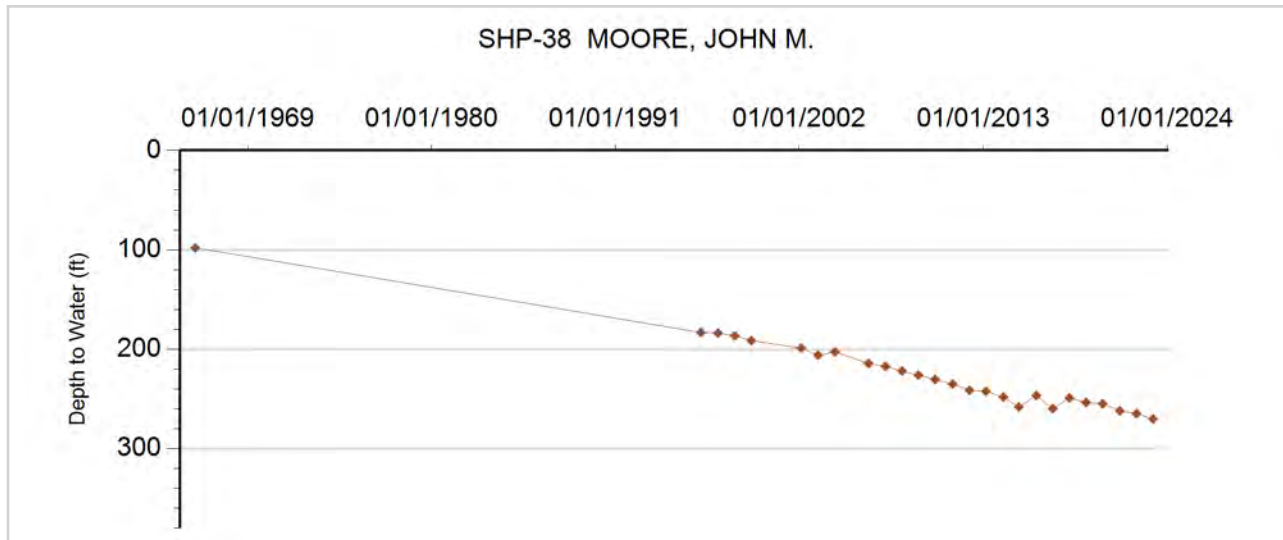
Well Measurement Summary

Start Date: 11/12/1965 End Date: 02/28/2023

Number of Measurements: 26

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2023	270.26	3559.74	-5.41
03/05/2022	264.85	3565.15	-2.71
03/05/2021	262.14	3567.86	-7.12
02/26/2020	255.02	3574.98	-1.30
02/27/2019	253.72	3576.28	-4.62
02/28/2018	249.10	3580.90	10.77
03/01/2017	259.87	3570.13	-13.25
03/08/2016	246.62	3583.38	11.58
02/18/2015	258.20	3571.80	-9.86
03/19/2014	248.34	3581.66	-5.84





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

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

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			





GROUNDWATER DETAILS

Well Name: SHP-40 MOORE, JOHN

Permit Number: 10620-FP

WDID:

Data Source: DWR

Location Number: SC03104232BDD

USGS Site ID:

Applicant/Contact: MOORE, JOHN

Physical Location

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

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

Construction Information

Surface Elevation (ft): 3805
Well Depth (ft): 410
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft): 125
Depth to Bottom of Perforated Casing (ft): 410
Source Aquifer(s): DOCKUM

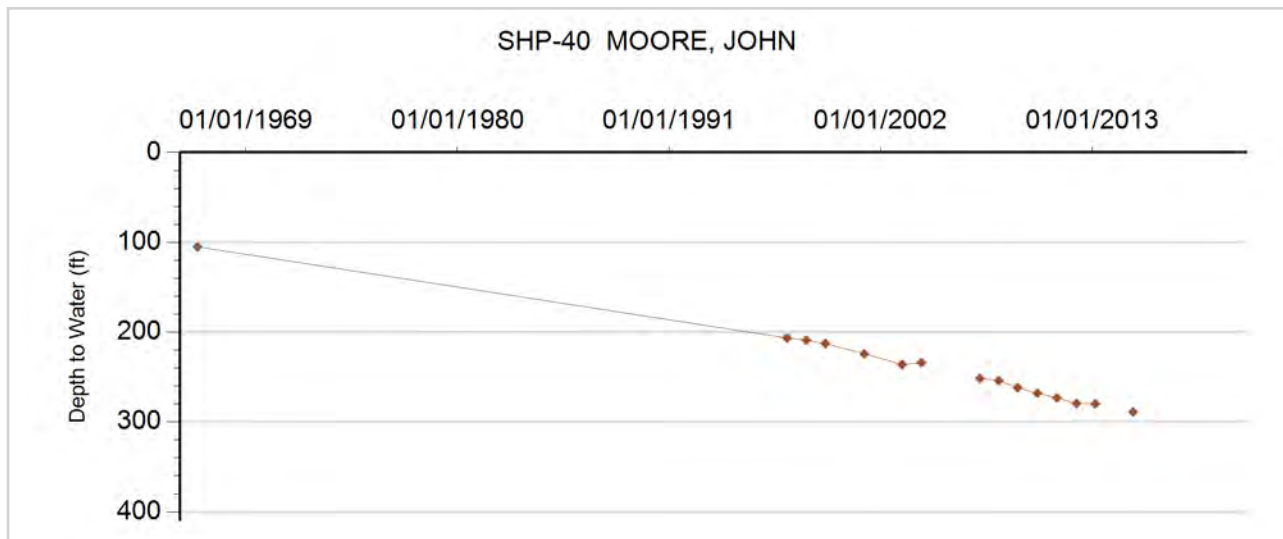
Well Measurement Summary

Start Date: 06/27/1966 End Date: 02/26/2020

Number of Measurements: 22

Ten Most Recent Readings

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





COLORADO
Division of Water Resources
Department of Natural Resources

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

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

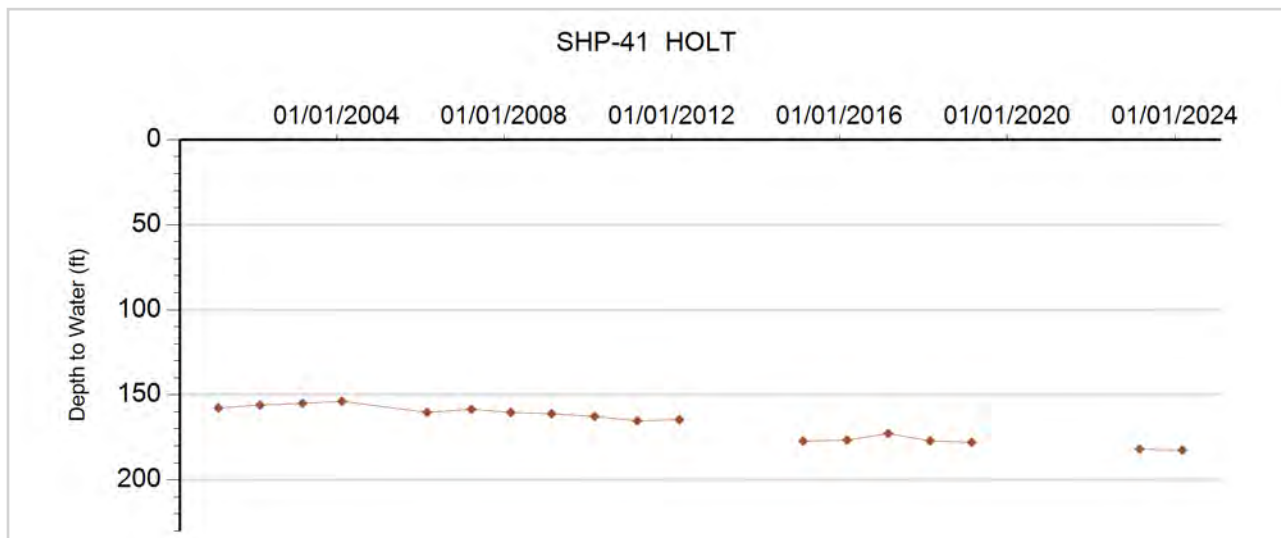
Well Measurement Summary

Start Date: 03/07/2001 End Date: 03/07/2024

Number of Measurements: 23

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024	182.46	3786.18	-0.61
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	





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

Construction Information

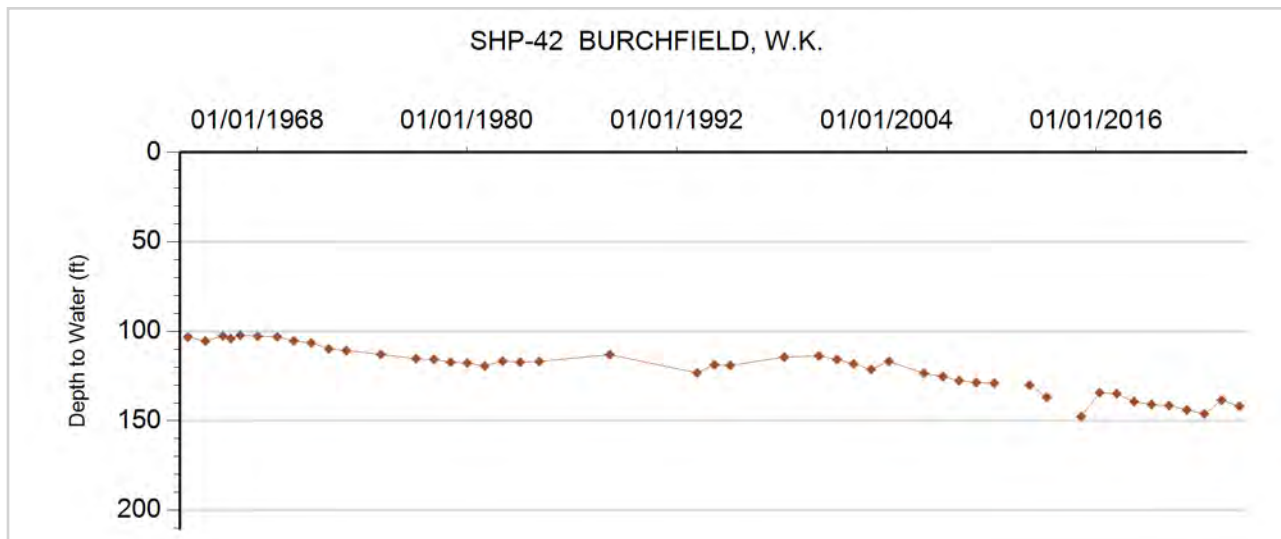
Surface Elevation (ft): 3922
Well Depth (ft): 211
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 01/15/1964 End Date: 03/06/2024
Number of Measurements: 49

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	141.89	3779.67	-3.47
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	





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

Construction Information

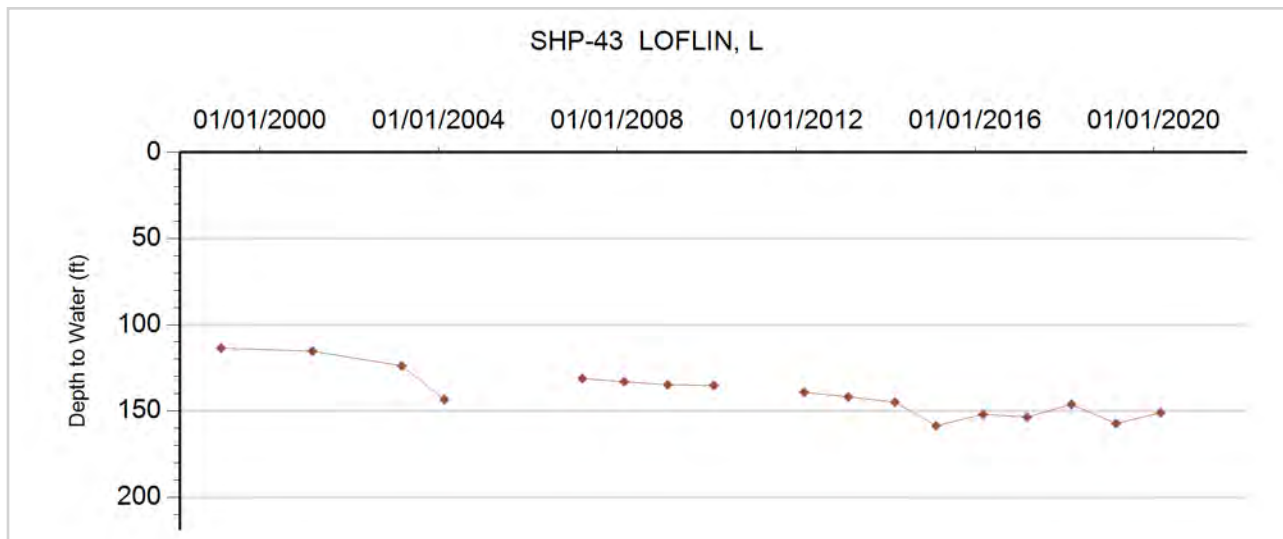
Surface Elevation (ft): 4033
Well Depth (ft): 219
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): OGALLALA

Well Measurement Summary

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

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	





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

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

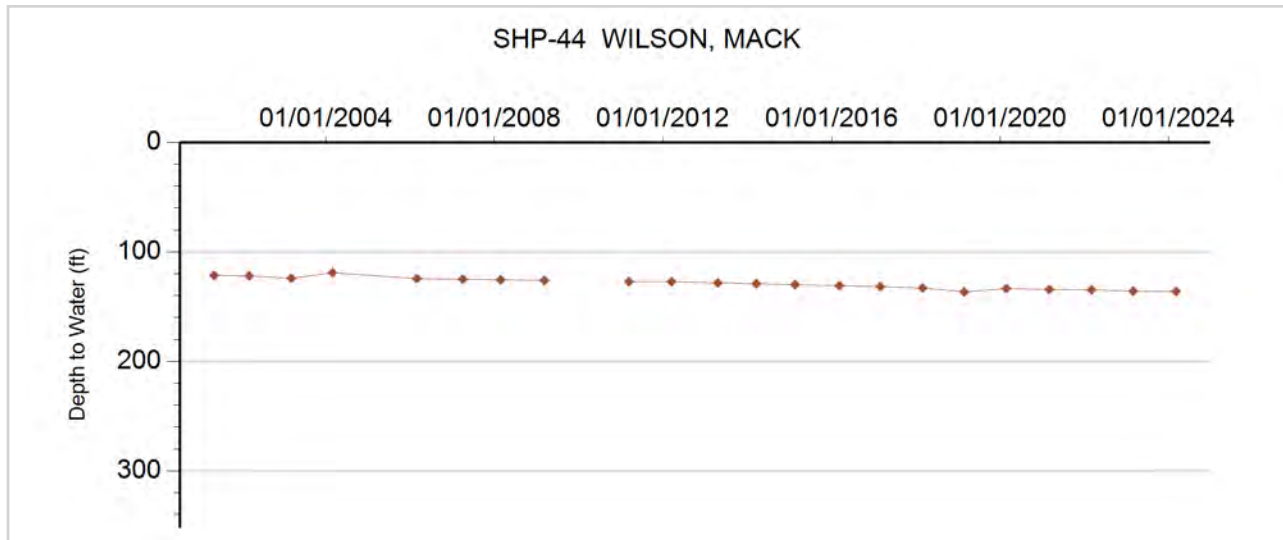
Well Measurement Summary

Start Date: 05/07/2001 End Date: 03/07/2024

Number of Measurements: 23

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/07/2024	136.07	4072.98	-0.17
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





GROUNDWATER DETAILS

Well Name: SHP-45 TWN.OF SPRINGFIELD

Permit Number: 6837-F

WDID:

Data Source: DWR

Location Number: SC03104604BC

USGS Site ID:

Applicant/Contact: TWN.OF SPRINGFIELD

Physical Location

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

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

Construction Information

Surface Elevation (ft): 4410
Well Depth (ft): 360
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

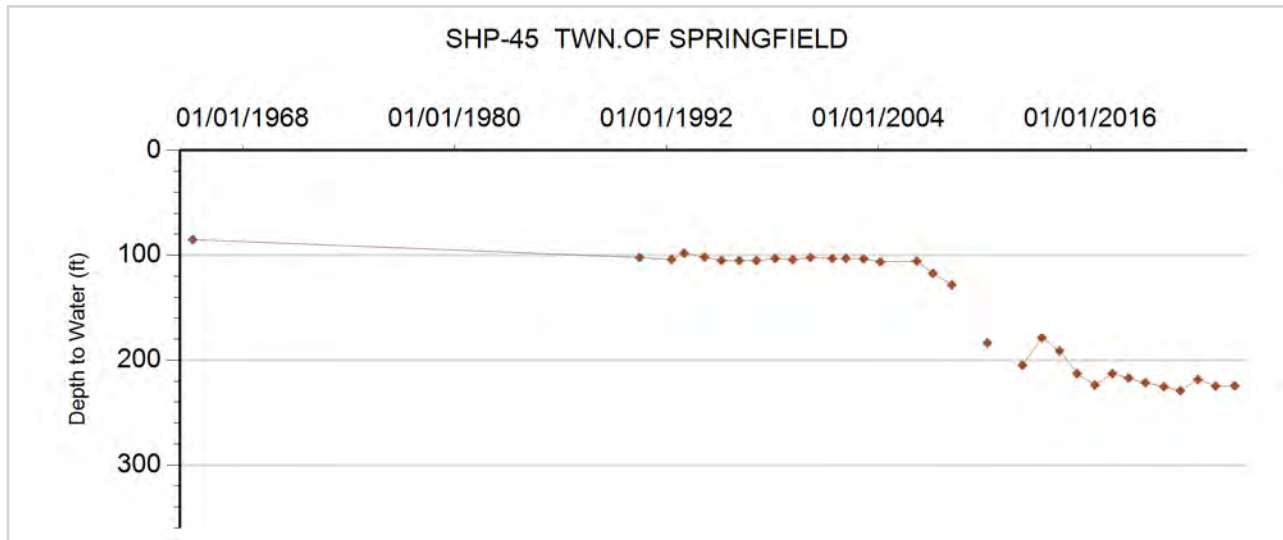
Well Measurement Summary

Start Date: 02/25/1965 End Date: 03/01/2024

Number of Measurements: 34

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/01/2024	224.46	4185.65	0.17
02/01/2023	224.63	4185.48	-6.24
02/01/2022	218.39	4191.72	10.65
02/01/2021	229.04	4181.07	-3.75
02/28/2020	225.29	4184.82	-3.79
02/04/2019	221.50	4188.61	-4.46
02/28/2018	217.04	4193.07	-4.33
03/27/2017	212.71	4197.40	10.98
03/31/2016	223.69	4186.42	-10.94
03/30/2015	212.75	4197.36	-21.58





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

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

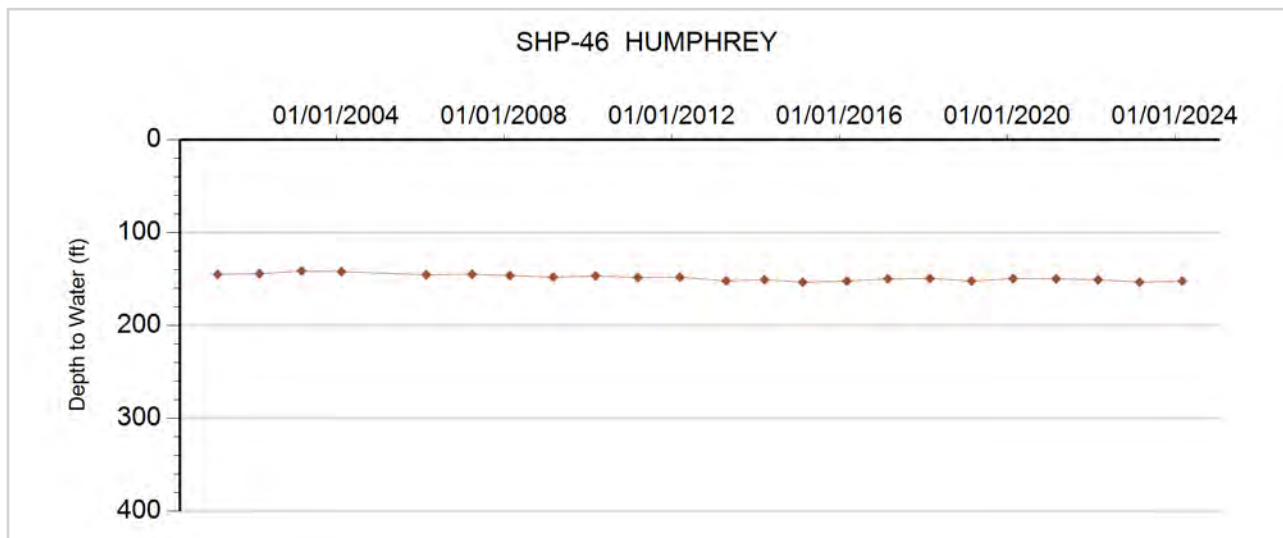
Well Measurement Summary

Start Date: 03/07/2001 End Date: 03/06/2024

Number of Measurements: 23

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	152.29	4279.71	1.06
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





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: SOUTHERN HIGH PLAINS

Construction Information

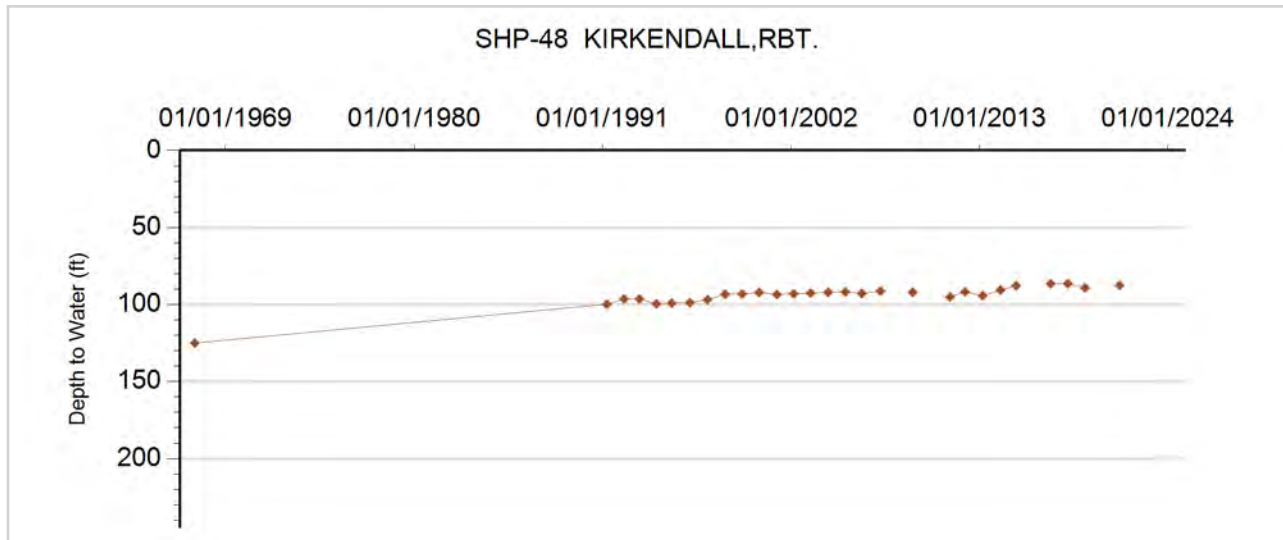
Surface Elevation (ft): 4738
Well Depth (ft): 245
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 03/16/1967 End Date: 03/05/2024
Number of Measurements: 35

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2024			
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





GROUNDWATER DETAILS

Well Name: SHP-49 US FOREST SERVICE

Permit Number: 115543-

WDID:

Data Source: DWR

Location Number: SC03105007ACC

USGS Site ID:

Applicant/Contact: US FOREST SERVICE

Physical Location

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

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

Ten Most Recent Readings

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

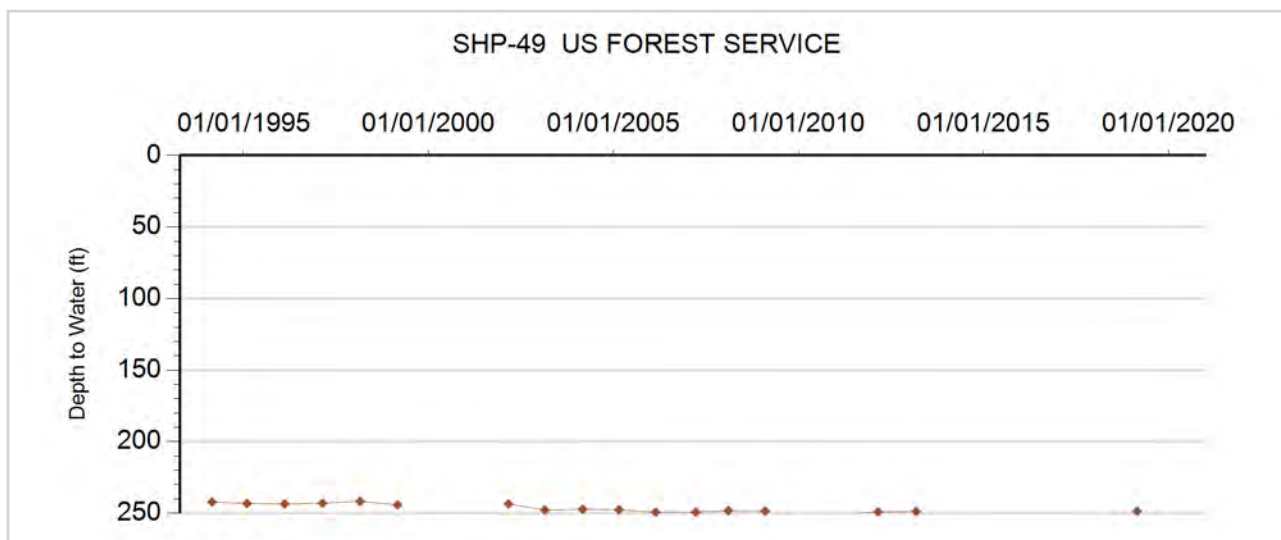
Construction Information

Surface Elevation (ft): 5193
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, CHEYENNE SANDSTONE

Well Measurement Summary

Start Date: 02/23/1994 End Date: 02/24/2020

Number of Measurements: 27





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

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

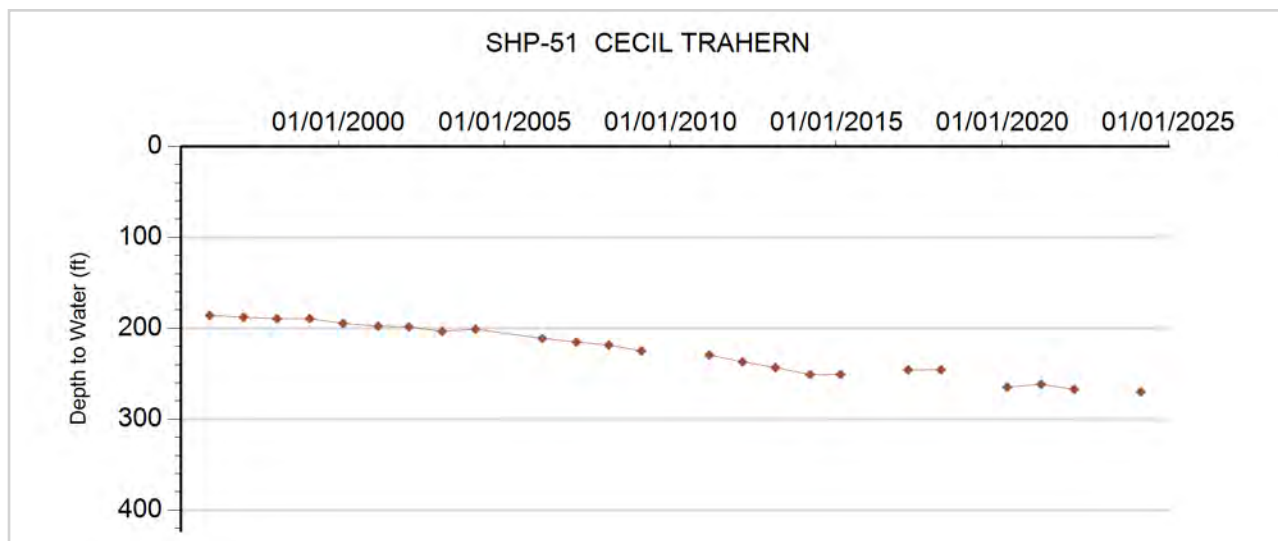
Well Measurement Summary

Start Date: 02/13/1996 End Date: 03/06/2024

Number of Measurements: 28

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	269.94	3830.06	
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





GROUNDWATER DETAILS

Well Name: SHP-52 BILL WRIGHT

Permit Number: 17021-FP

WDID:

Data Source: DWR

Location Number: SC03204207CB

USGS Site ID:

Applicant/Contact: BILL WRIGHT

Physical Location

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

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

Construction Information

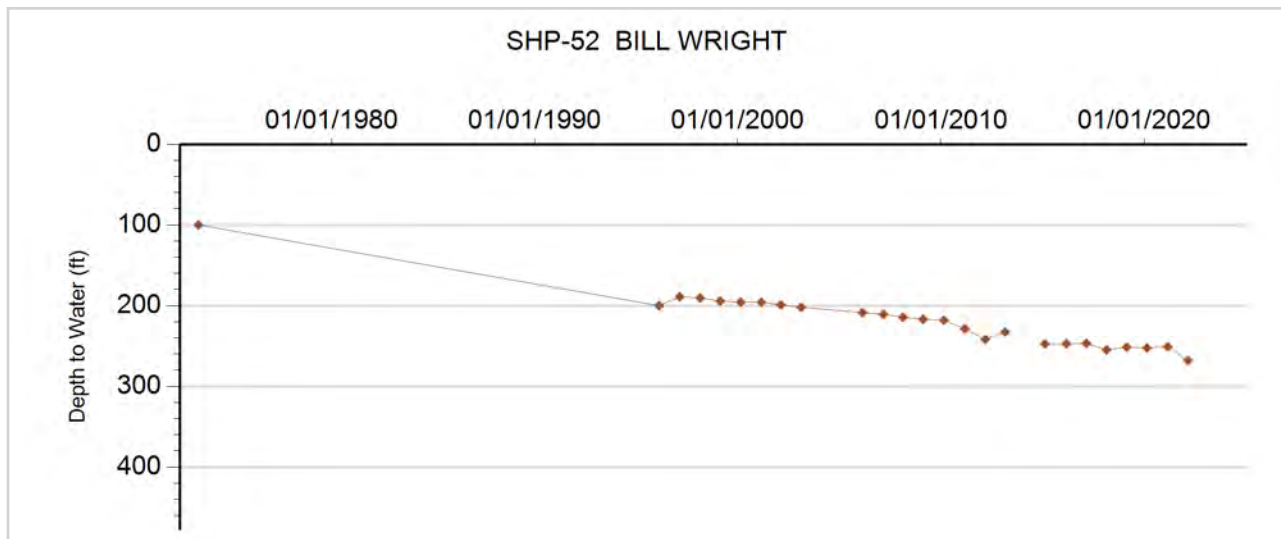
Surface Elevation (ft): 3832
Well Depth (ft): 478
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): OGALLALA, DOCKUM

Well Measurement Summary

Start Date: 06/08/1973 End Date: 03/06/2024
Number of Measurements: 28

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024			
02/28/2023			
03/05/2022	267.87	3563.65	-17.07
03/05/2021	250.80	3580.72	1.61
02/26/2020	252.41	3579.11	-0.93
02/27/2019	251.48	3580.04	3.27
02/28/2018	254.75	3576.77	-8.01
03/01/2017	246.74	3584.78	0.48
03/08/2016	247.22	3584.30	0.10
02/18/2015	247.32	3584.20	





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

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

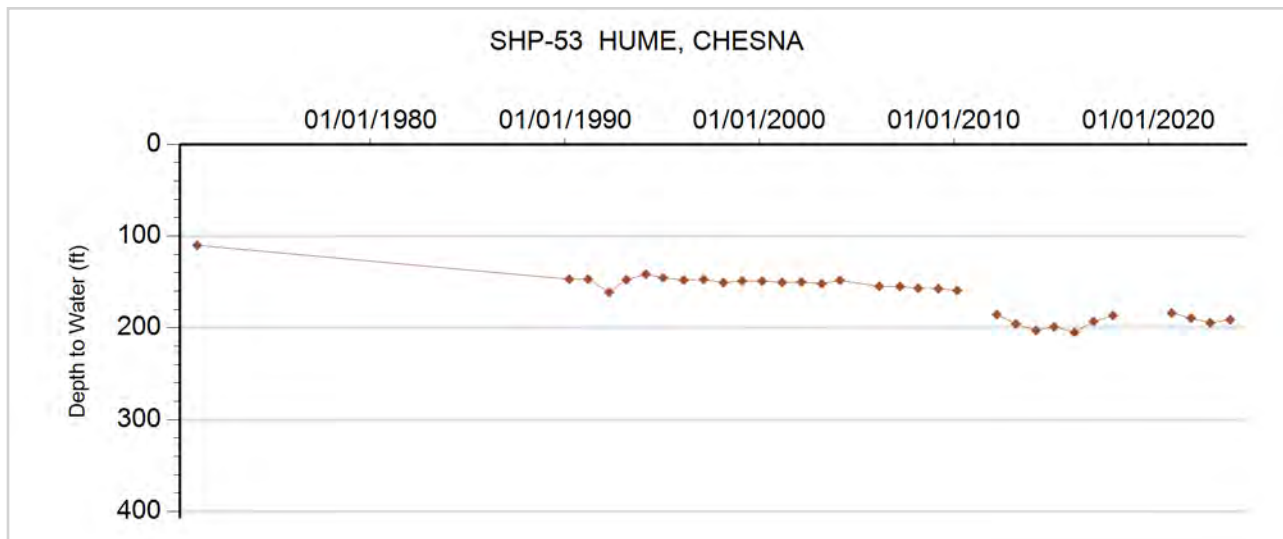
Well Measurement Summary

Start Date: 02/04/1971 End Date: 03/06/2024

Number of Measurements: 35

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	191.16	3569.57	3.38
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





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

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

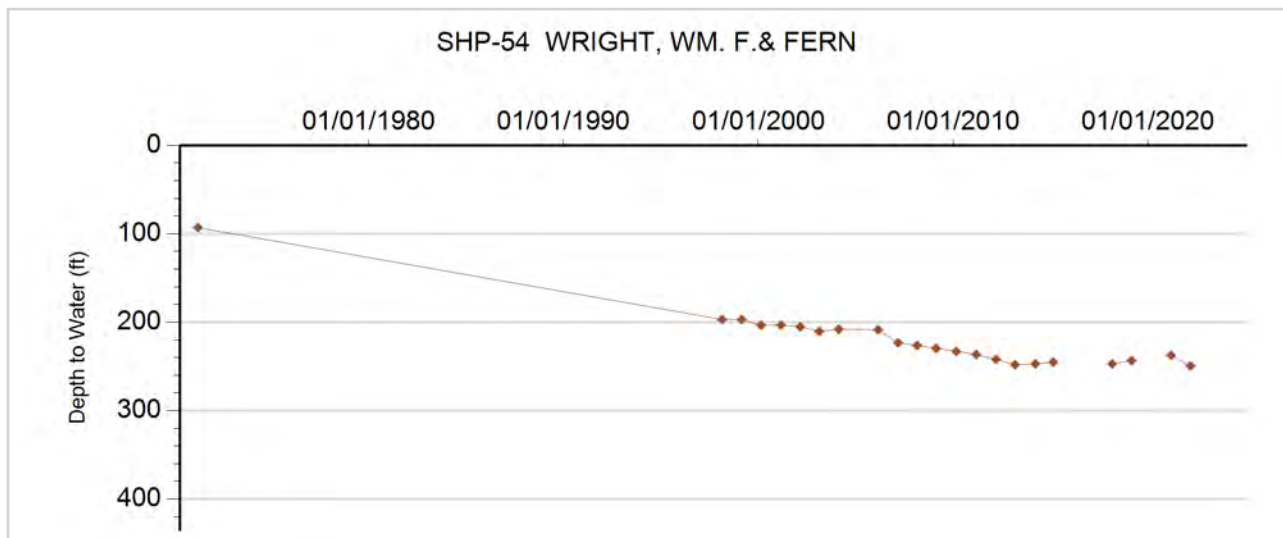
Well Measurement Summary

Start Date: 03/23/1971 End Date: 03/06/2024

Number of Measurements: 27

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024			
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





GROUNDWATER DETAILS

Well Name: SHP-55 JIM BURHN

Permit Number: 20402-FP

WDID:

Data Source: DWR

Location Number: SC03204312CDC

USGS Site ID:

Applicant/Contact: JIM BURHN

Physical Location

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

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

Construction Information

Surface Elevation (ft): 3838
Well Depth (ft): 555
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): DOCKUM, ALL UNNAMED
AQUIFERS

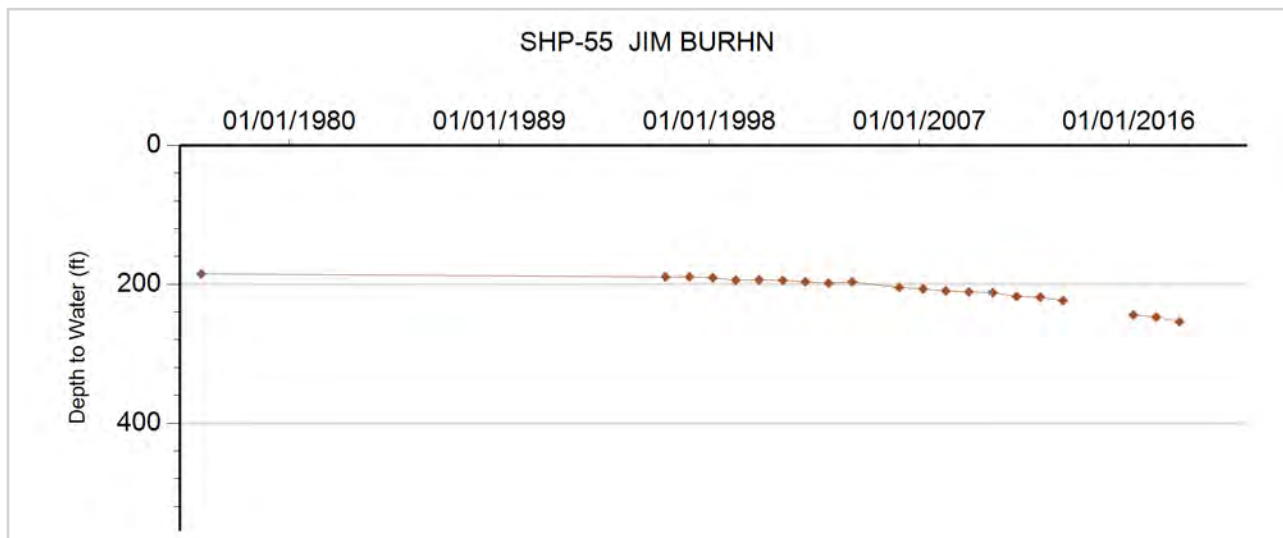
Well Measurement Summary

Start Date: 03/19/1976 End Date: 02/26/2020

Number of Measurements: 25

Ten Most Recent Readings

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





COLORADO
Division of Water Resources
Department of Natural Resources

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

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

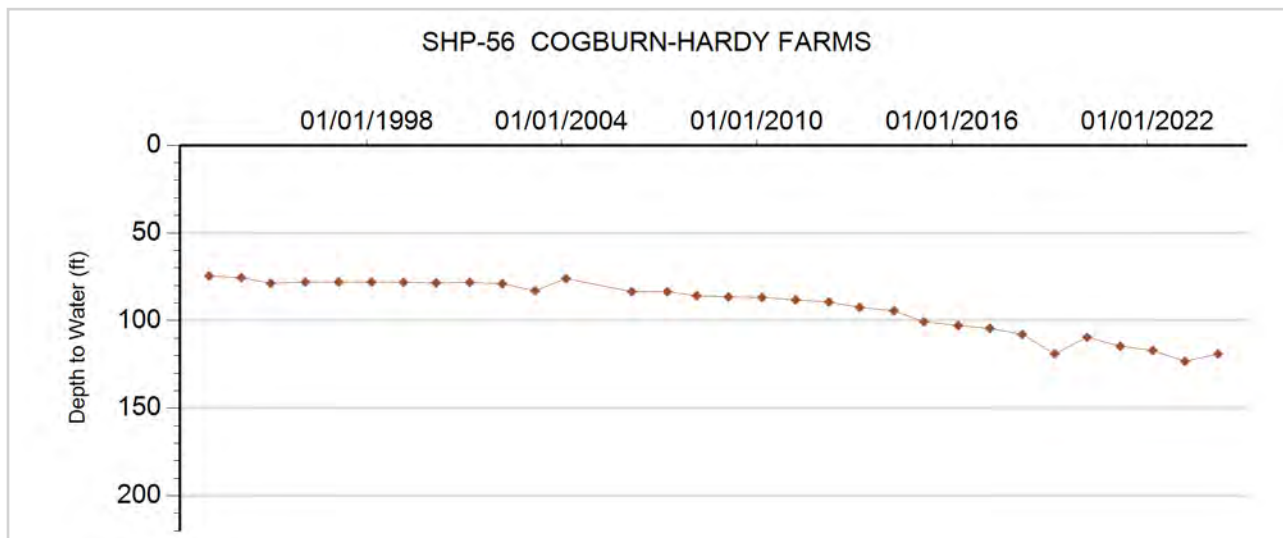
Well Measurement Summary

Start Date: 02/28/1993 End Date: 03/06/2024

Number of Measurements: 31

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	118.99	4009.71	4.24
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





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

Construction Information

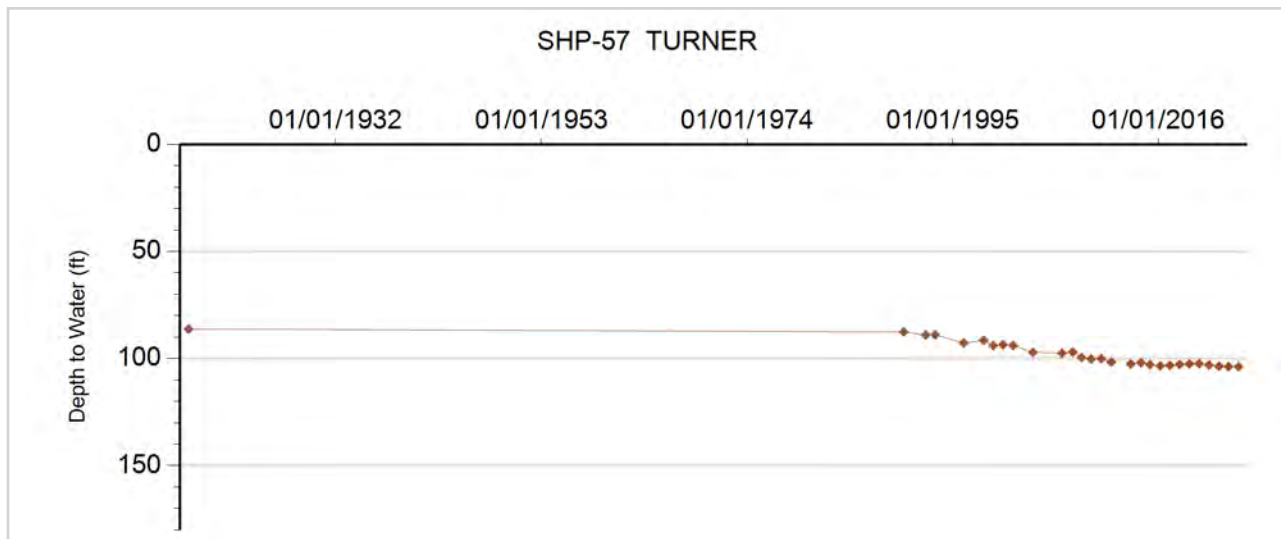
Surface Elevation (ft): 4179
Well Depth (ft): 180
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): OGALLALA

Well Measurement Summary

Start Date: 01/01/1917 End Date: 03/06/2024
Number of Measurements: 29

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	103.78	4075.57	-0.04
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





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

Construction Information

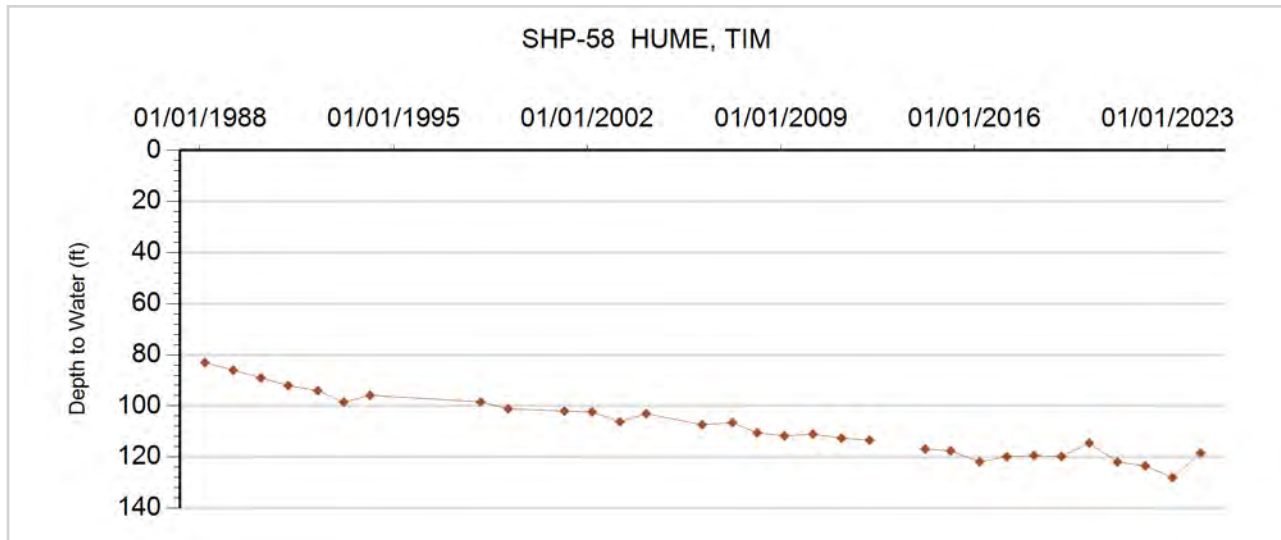
Surface Elevation (ft): 4185
Well Depth (ft): 140
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): OGALLALA

Well Measurement Summary

Start Date: 03/03/1988 End Date: 03/06/2024
Number of Measurements: 32

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	118.43	4066.40	9.54
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





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: SOUTHERN HIGH PLAINS

Construction Information

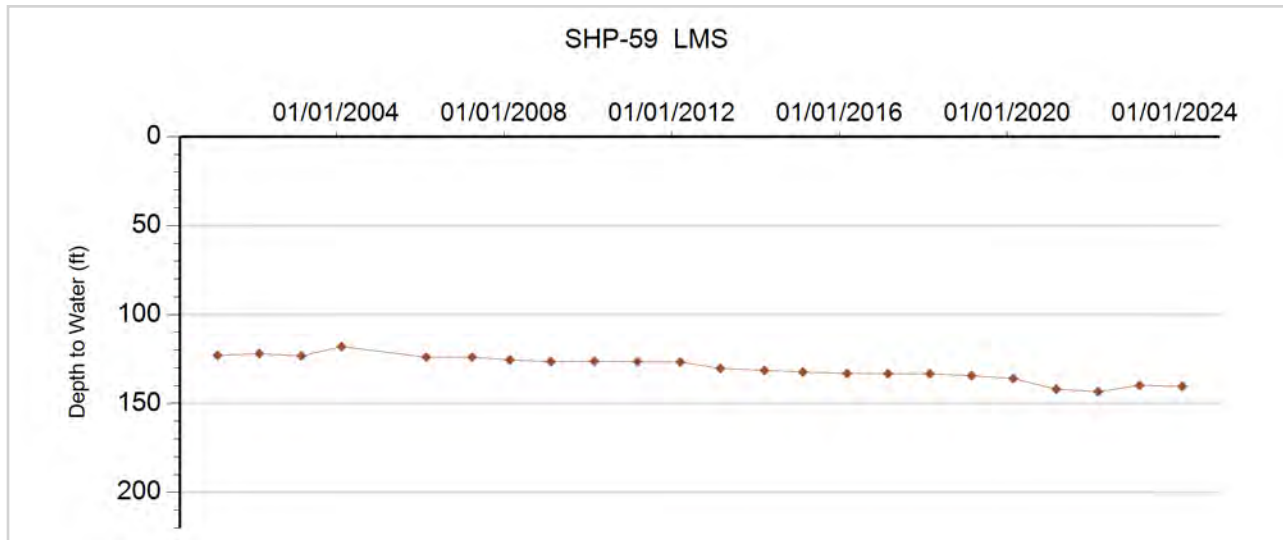
Surface Elevation (ft): 4343
Well Depth (ft): 220
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): OGALLALA, PURGATOIRE

Well Measurement Summary

Start Date: 03/07/2001 End Date: 03/06/2024
Number of Measurements: 23

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	140.36	4202.96	-0.51
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





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

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

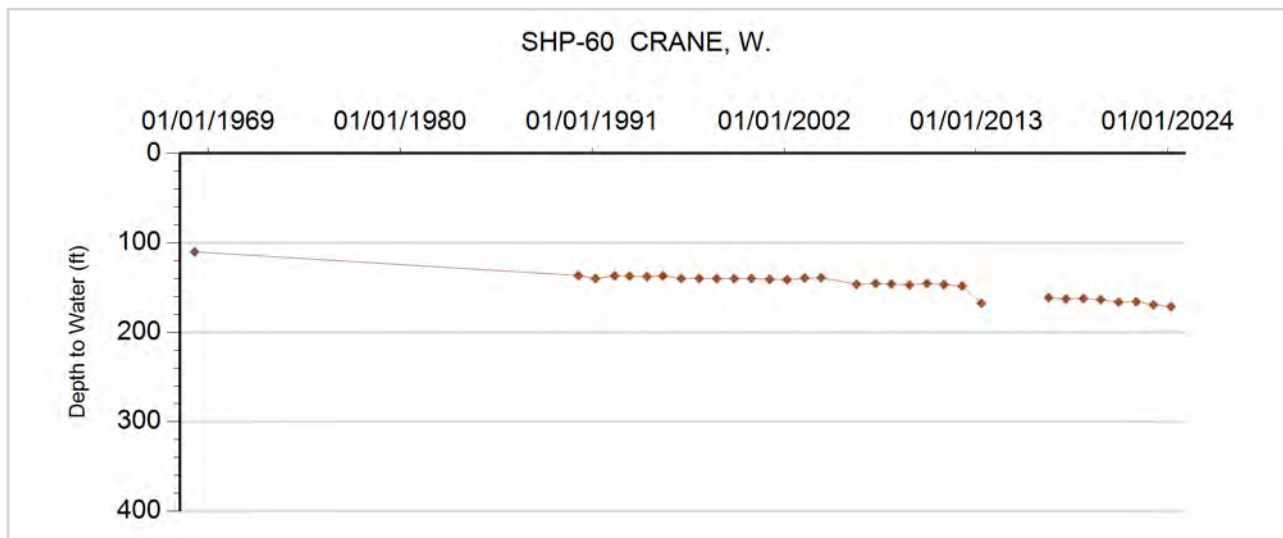
Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	171.25	4232.75	-2.12
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			

Well Measurement Summary

Start Date: 03/27/1968 End Date: 03/06/2024

Number of Measurements: 35





GROUNDWATER DETAILS

Well Name: SHP-61 SC03204732CD

Permit Number:

Location Number: SC03204732AC

WDID:

USGS Site ID:

Data Source: DWR

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: SOUTHERN HIGH PLAINS

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/05/2024	195.38	4379.62	-0.16
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	

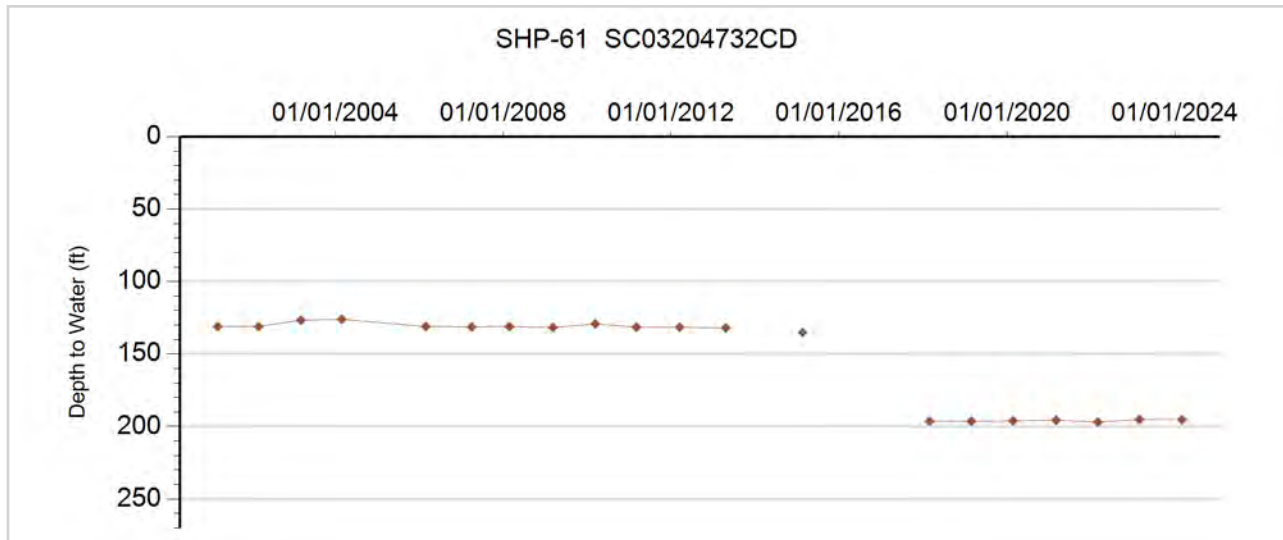
Construction Information

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: 03/05/2024

Number of Measurements: 23





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

Construction Information

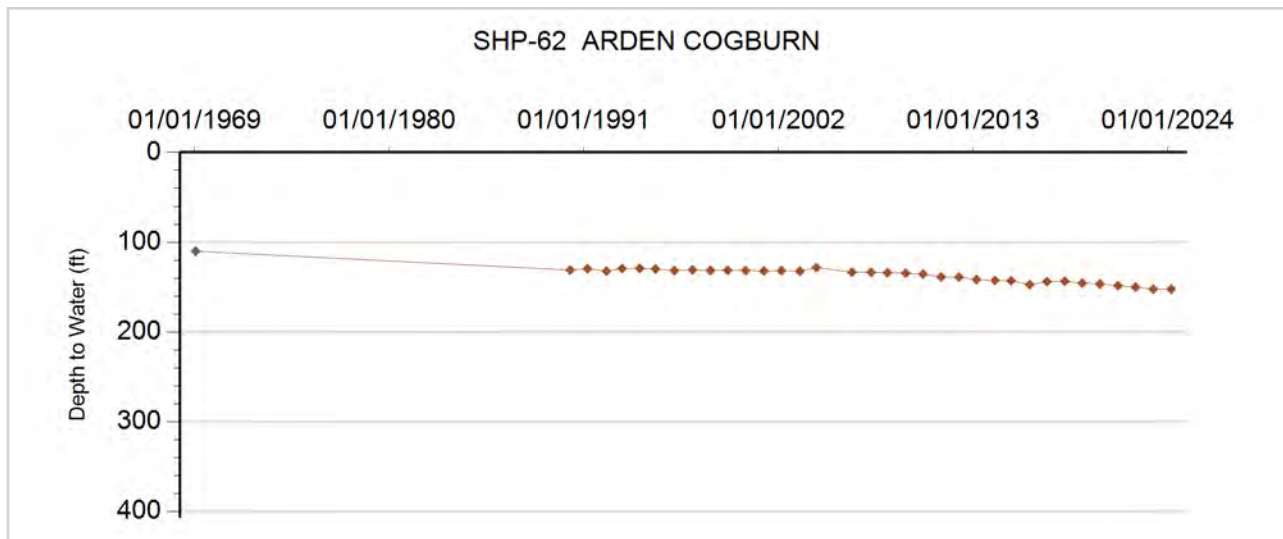
Surface Elevation (ft): 3755
Well Depth (ft): 407
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): OGALLALA, DOCKUM

Well Measurement Summary

Start Date: 01/18/1969 End Date: 03/06/2024
Number of Measurements: 35

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	152.33	3602.67	0.01
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





GROUNDWATER DETAILS

Well Name: SHP-63 MIDWAY TRUST

Permit Number: 21235-FP

WDID:

Data Source: DWR

Location Number: SC03304313DC

USGS Site ID:

Applicant/Contact: MIDWAY TRUST

Physical Location

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

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

Ten Most Recent Readings

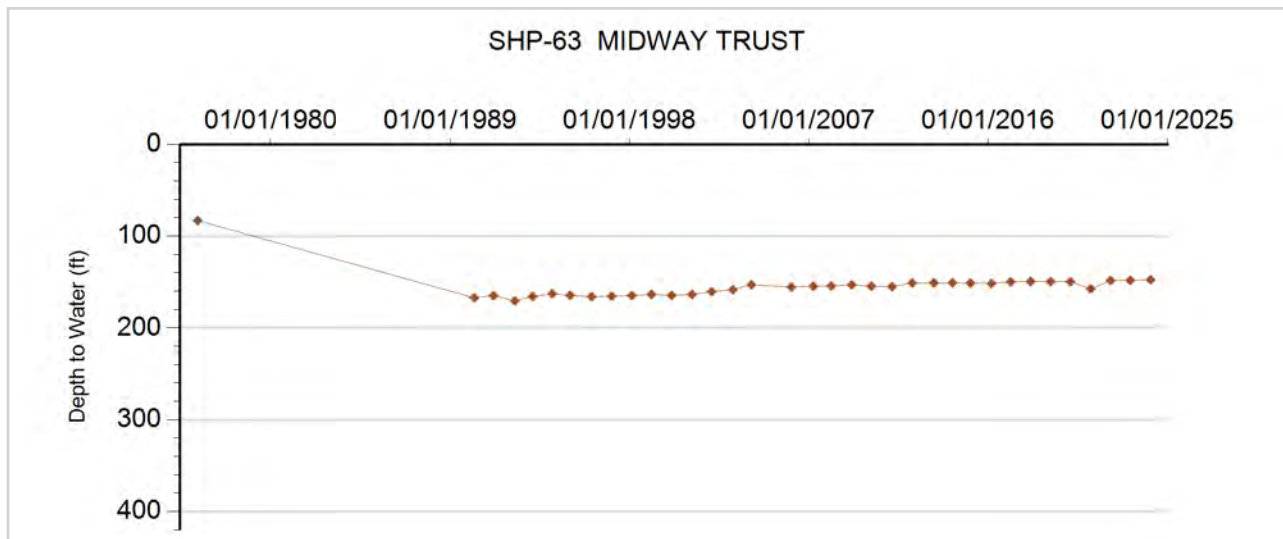
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	147.52	3732.48	0.59
02/28/2023	148.11	3731.89	0.14
03/04/2022	148.25	3731.75	9.20
03/05/2021	157.45	3722.55	-7.82
02/25/2020	149.63	3730.37	-0.17
02/26/2019	149.46	3730.54	-0.07
02/27/2018	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

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: 03/06/2024
Number of Measurements: 35





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

Construction Information

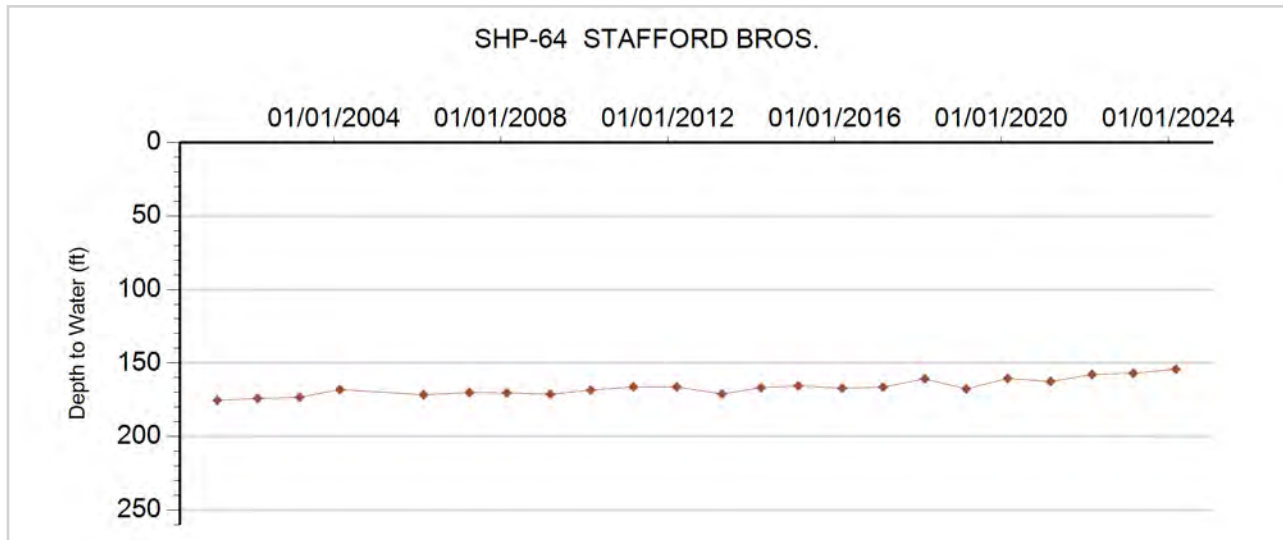
Surface Elevation (ft): 3985
Well Depth (ft): 260
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 03/16/2001 End Date: 03/06/2024
Number of Measurements: 23

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	154.13	3830.87	2.77
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





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

Construction Information

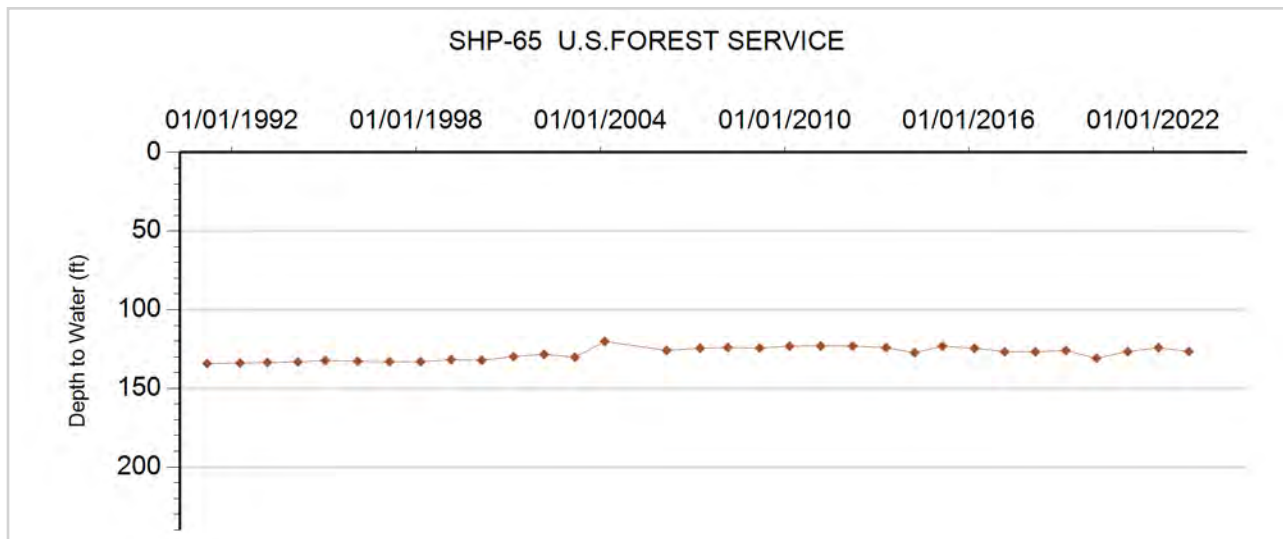
Surface Elevation (ft): 4130
Well Depth (ft): 240
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft):
Depth to Bottom of Perforated Casing (ft):
Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

Start Date: 03/13/1991 End Date: 03/06/2024
Number of Measurements: 33

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024			
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





GROUNDWATER DETAILS

Well Name: SHP-66 SCHRODER

Permit Number: 77852-F

WDID:

Data Source: DWR

Location Number: SC03304515DD

USGS Site ID:

Applicant/Contact: SCHRODER

Physical Location

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

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

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	123.28	4076.72	-1.28
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	

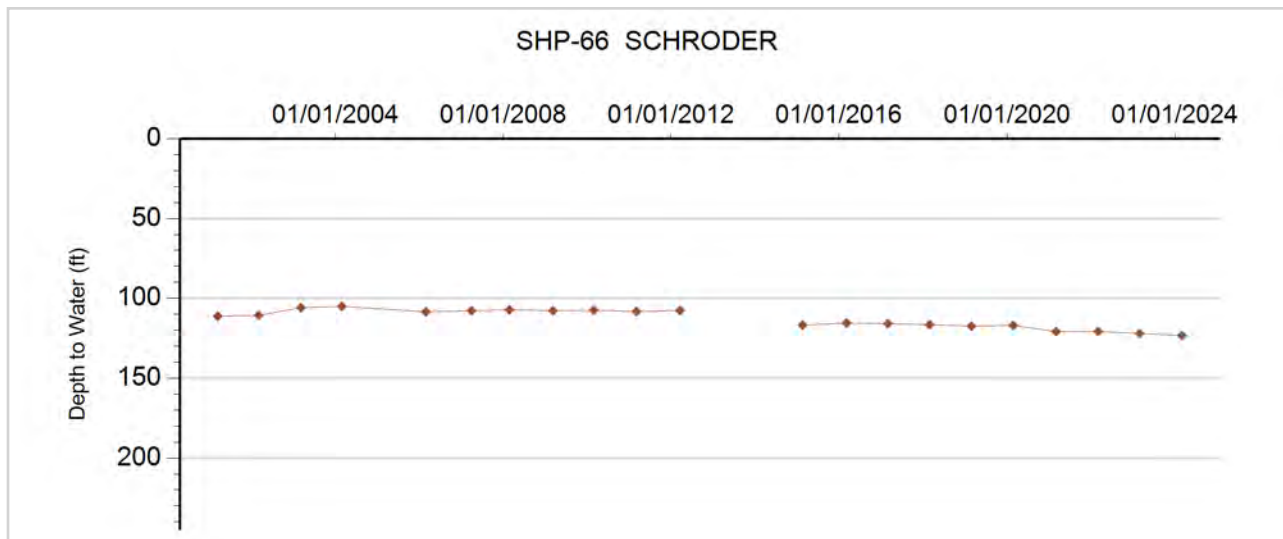
Construction Information

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: 03/06/2024

Number of Measurements: 23





GROUNDWATER DETAILS

Well Name: SHP-67 FARMERS HOME ADMTN.

Permit Number: 19813-FP

WDID:

Data Source: DWR

Location Number: SC03304626BBB

USGS Site ID:

Applicant/Contact: FARMERS HOME ADMTN.

Physical Location

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

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

Ten Most Recent Readings

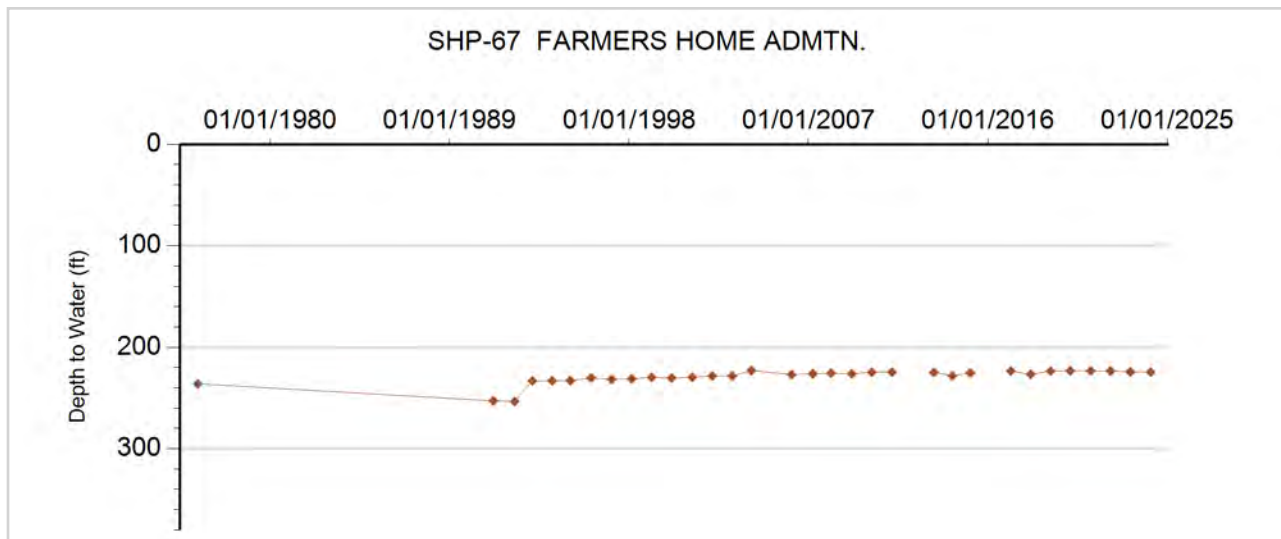
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	224.39	4115.61	-0.09
02/28/2023	224.30	4115.70	-0.98
03/04/2022	223.32	4116.68	-0.02
03/04/2021	223.30	4116.70	-0.16
02/25/2020	223.14	4116.86	0.29
02/26/2019	223.43	4116.57	3.20
02/27/2018	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

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: 03/06/2024
Number of Measurements: 34





GROUNDWATER DETAILS

Well Name: SHP-68 OMALLEY

Permit Number: 20427-F

WDID:

Data Source: DWR

Location Number: SC03304630AA

USGS Site ID:

Applicant/Contact: OMALLEY

Physical Location

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

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

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2024	246.75	4188.25	-0.06
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

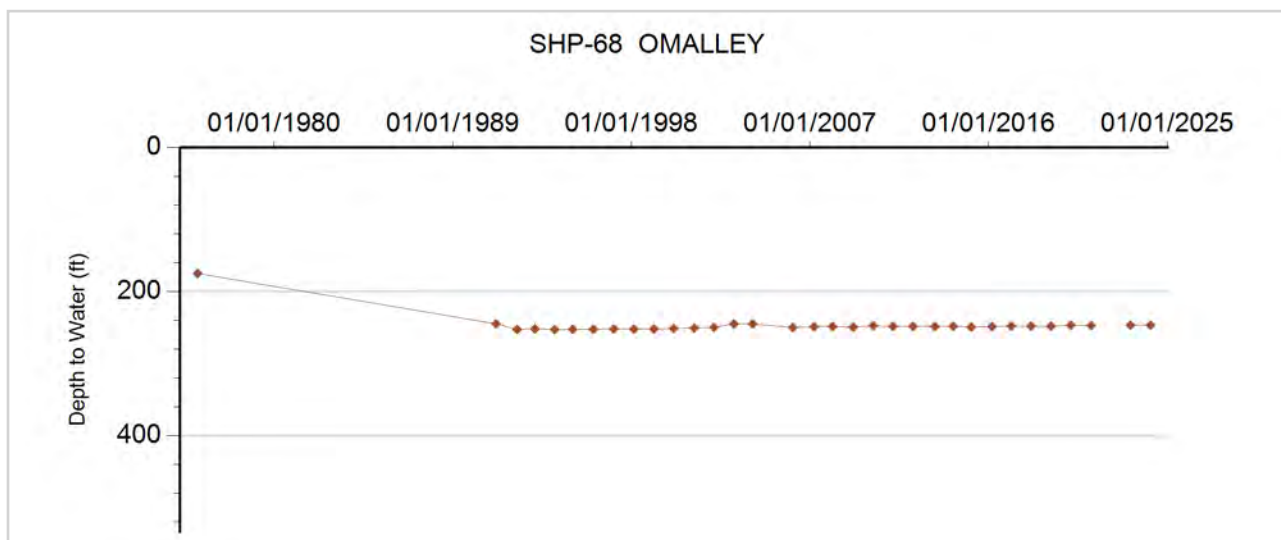
Construction Information

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: 03/04/2024

Number of Measurements: 34





GROUNDWATER DETAILS

Well Name: SHP-69 RAY SIKES

Permit Number: 15029-F

WDID:

Data Source: DWR

Location Number: SC03305006CAD

USGS Site ID:

Applicant/Contact: RAY SIKES

Physical Location

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

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

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2024	61.66	4939.34	0.78
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	

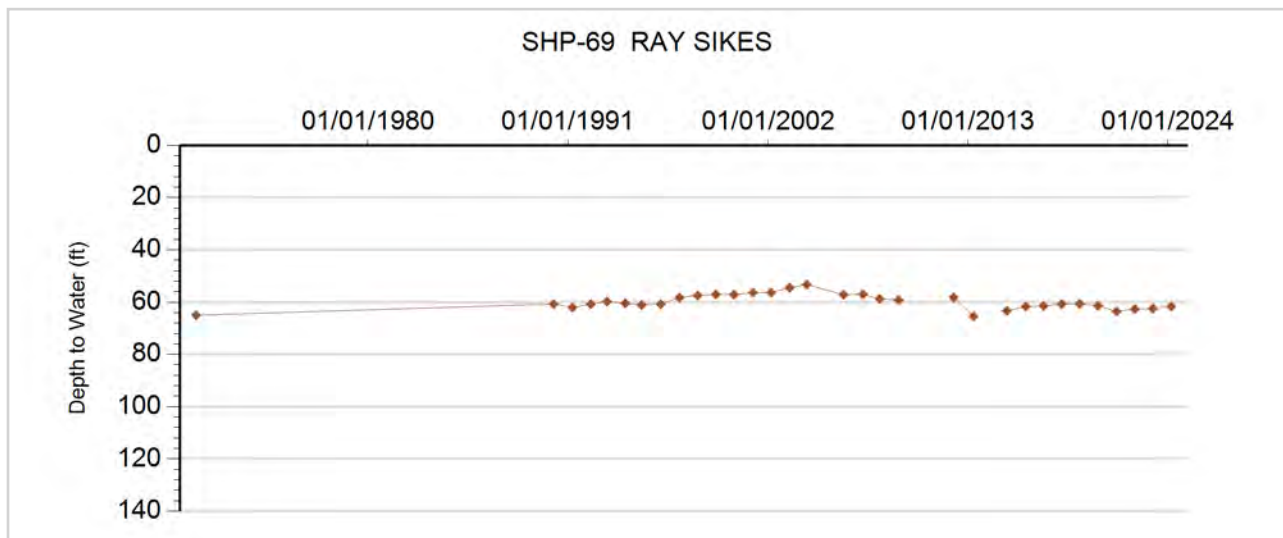
Construction Information

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: 03/04/2024

Number of Measurements: 34





COLORADO
Division of Water Resources
Department of Natural Resources

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

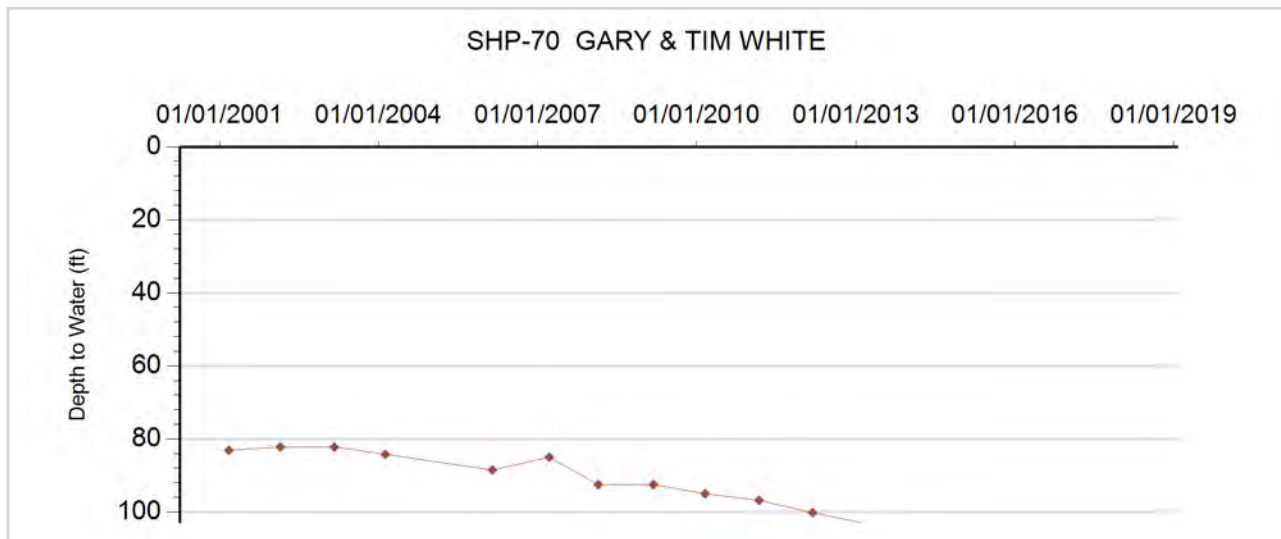
Construction Information

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

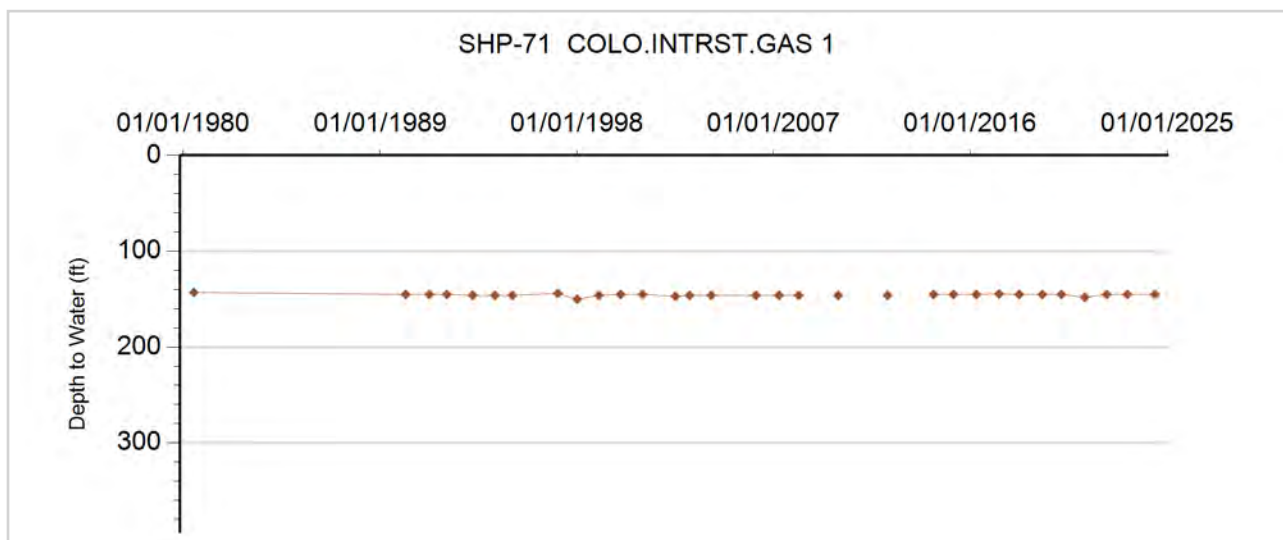
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
06/11/2024	145.00	3683.00	0.00
03/09/2023	145.00	3683.00	0.00
03/28/2022	145.00	3683.00	3.00
03/30/2021	148.00	3680.00	-3.00
03/03/2020	145.00	3683.00	0.00
04/18/2019	145.00	3683.00	0.00
03/29/2018	145.00	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

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: 06/11/2024
Number of Measurements: 34





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)
06/11/2024	155.00	3671.00	0.00
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

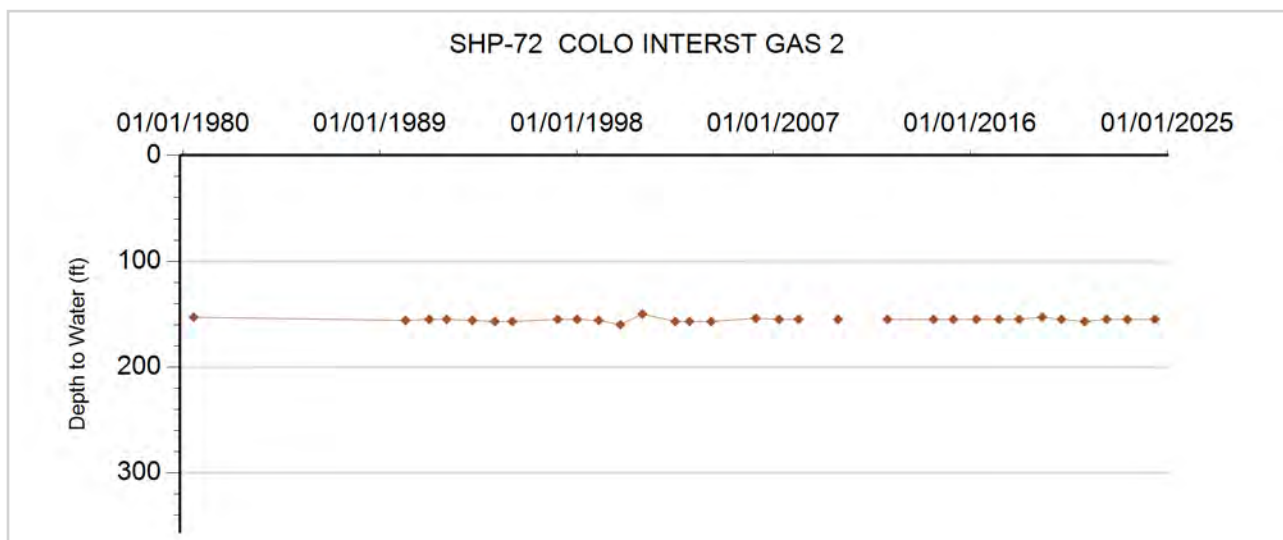
Construction Information

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: 06/11/2024

Number of Measurements: 33





COLORADO
Division of Water Resources
Department of Natural Resources

GROUNDWATER DETAILS

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

Permit Number: 123684-

WDID:

Data Source: DWR

Location Number: SC03404205DAD

USGS Site ID: 370640102105600

Applicant/Contact: WRAY, P.&A.

Physical Location

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

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

Ten Most Recent Readings

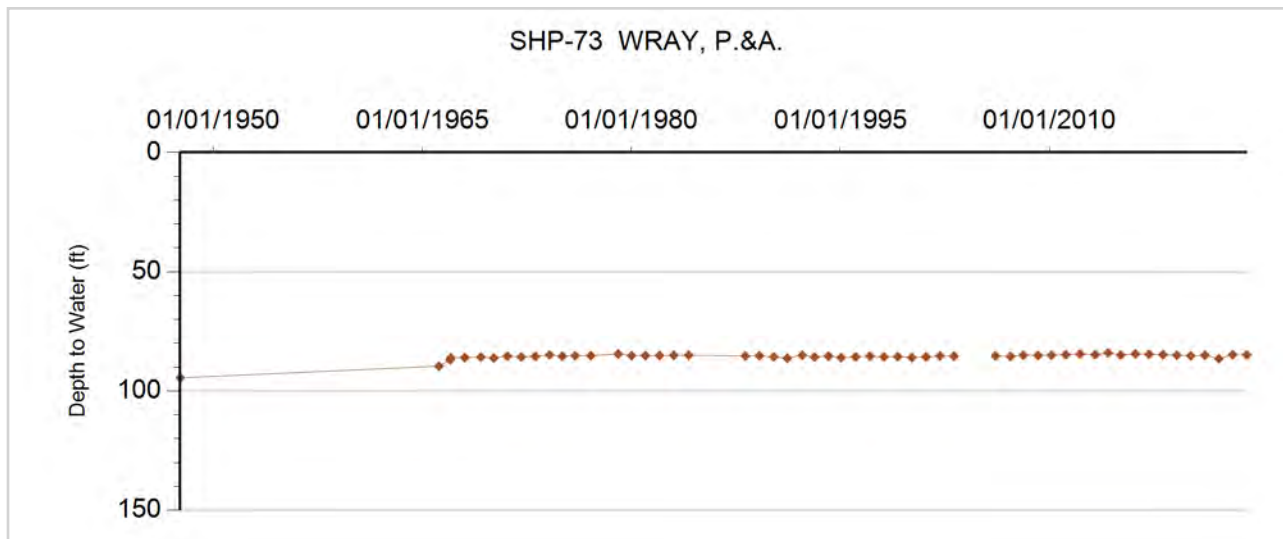
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	84.90	3674.69	-0.09
02/28/2023	84.81	3674.78	1.65
03/04/2022	86.46	3673.13	-1.44
03/04/2021	85.02	3674.57	0.21
02/25/2020	85.23	3674.36	-0.21
02/26/2019	85.02	3674.57	-0.25
02/27/2018	84.77	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

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: 03/06/2024
Number of Measurements: 56





GROUNDWATER DETAILS

Well Name: SHP-74 DAN WITCHER

Permit Number: 15807-

WDID:

Data Source: DWR

Location Number: SC03404221AC

USGS Site ID:

Applicant/Contact: DAN WITCHER

Physical Location

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

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

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024			
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

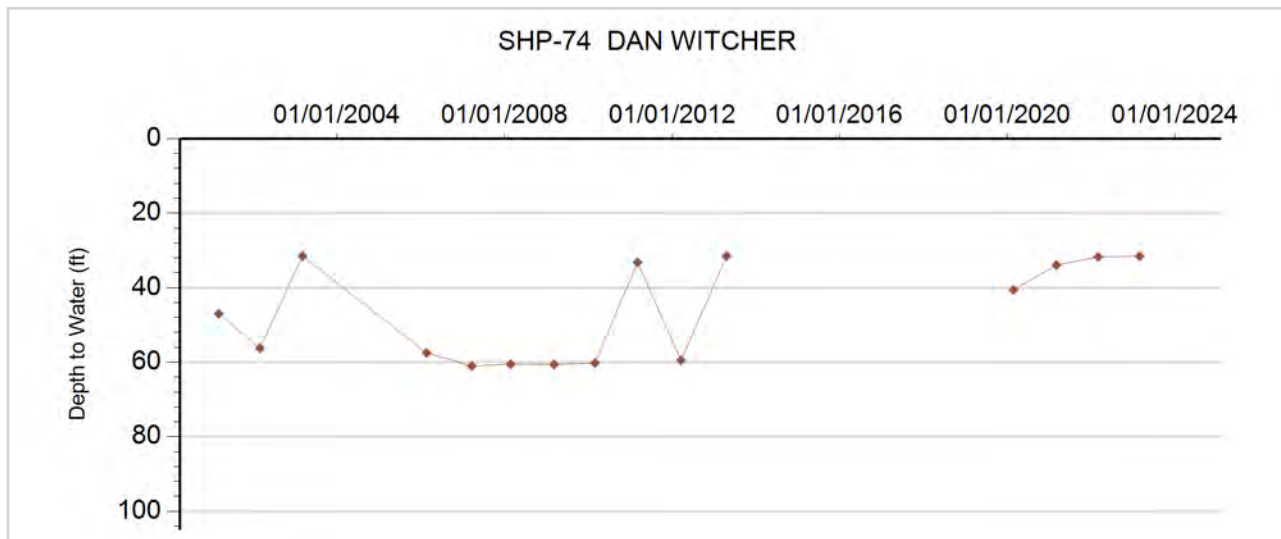
Construction Information

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: 03/06/2024

Number of Measurements: 18





GROUNDWATER DETAILS

Well Name: SHP-75 ALLEY LAND & CAT.

Permit Number: 3232-FP

WDID:

Data Source: DWR

Location Number: SC03404309CD

USGS Site ID:

Applicant/Contact: ALLEY LAND & CAT.

Physical Location

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

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

Ten Most Recent Readings

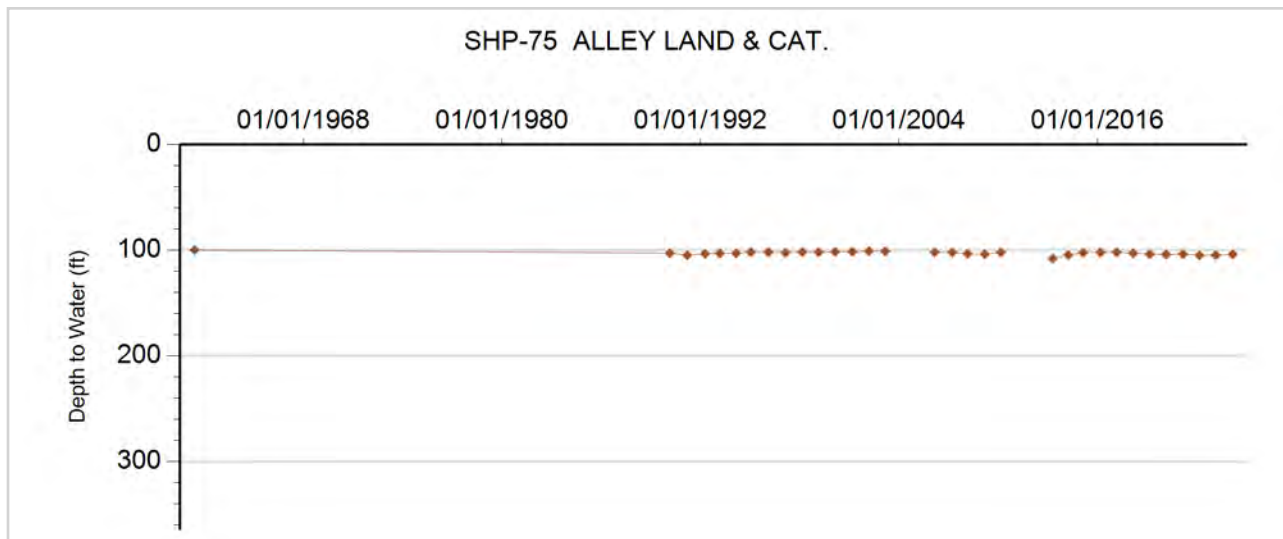
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	104.12	3860.88	0.80
02/28/2023	104.92	3860.08	0.15
03/04/2022	105.07	3859.93	-1.24
03/04/2021	103.83	3861.17	0.49
02/25/2020	104.32	3860.68	-0.48
02/26/2019	103.84	3861.16	-0.76
02/27/2018	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

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: 03/06/2024
Number of Measurements: 35





GROUNDWATER DETAILS

Well Name: SHP-76 ALLEY LAND & CATTLE

Permit Number: 29421-

WDID:

Data Source: DWR

Location Number: SC03404320DD

USGS Site ID:

Applicant/Contact: ALLEY LAND & CATTLE

Physical Location

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

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

Ten Most Recent Readings

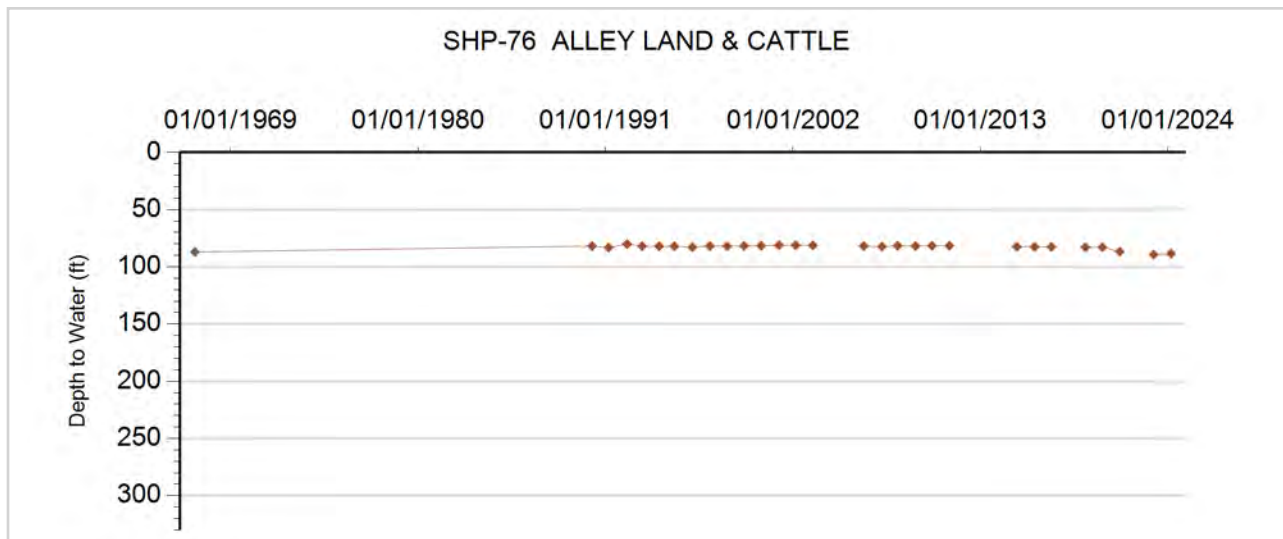
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	88.36	3774.64	0.87
02/28/2023	89.23	3773.77	
03/04/2022			
03/04/2021	86.63	3776.37	-3.74
02/25/2020	82.89	3780.11	0.01
02/26/2019	82.90	3780.10	
02/27/2018			
02/28/2017	82.55	3780.45	-0.09
03/07/2016	82.46	3780.54	-0.06
02/17/2015	82.40	3780.60	

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: 03/06/2024
Number of Measurements: 35





COLORADO
Division of Water Resources
Department of Natural Resources

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

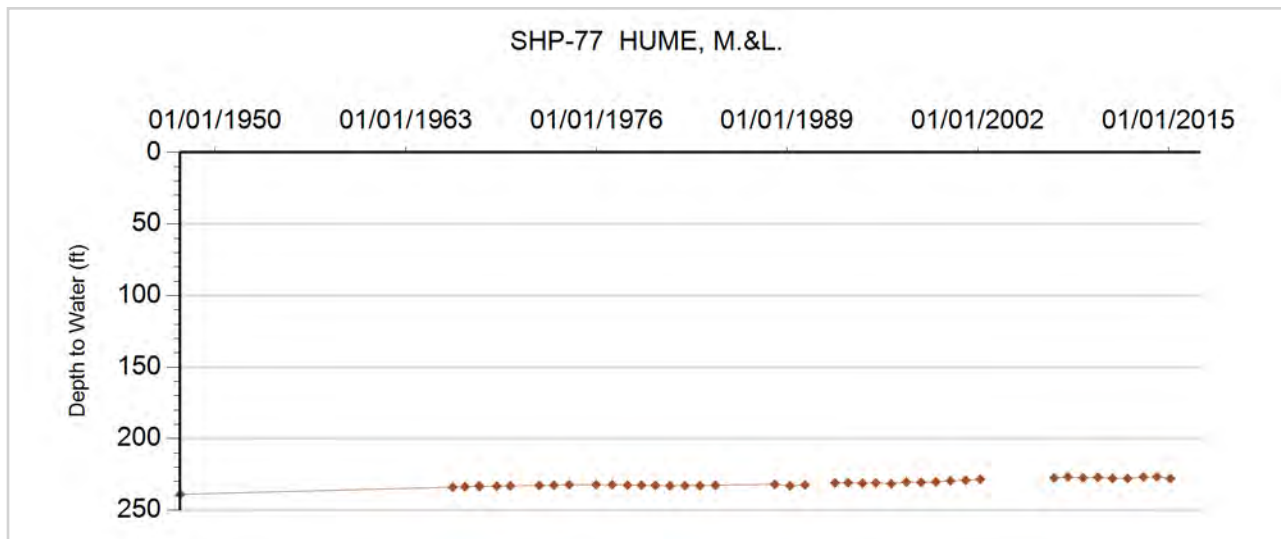
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
02/28/2017			
03/07/2016			
02/17/2015	227.85	4047.11	-1.26
03/25/2014	226.59	4048.37	0.21
04/21/2013	226.80	4048.16	1.00
03/19/2012	227.80	4047.16	-0.10
03/13/2011	227.70	4047.26	-0.70
03/12/2010	227.00	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)
03/04/2024			
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			

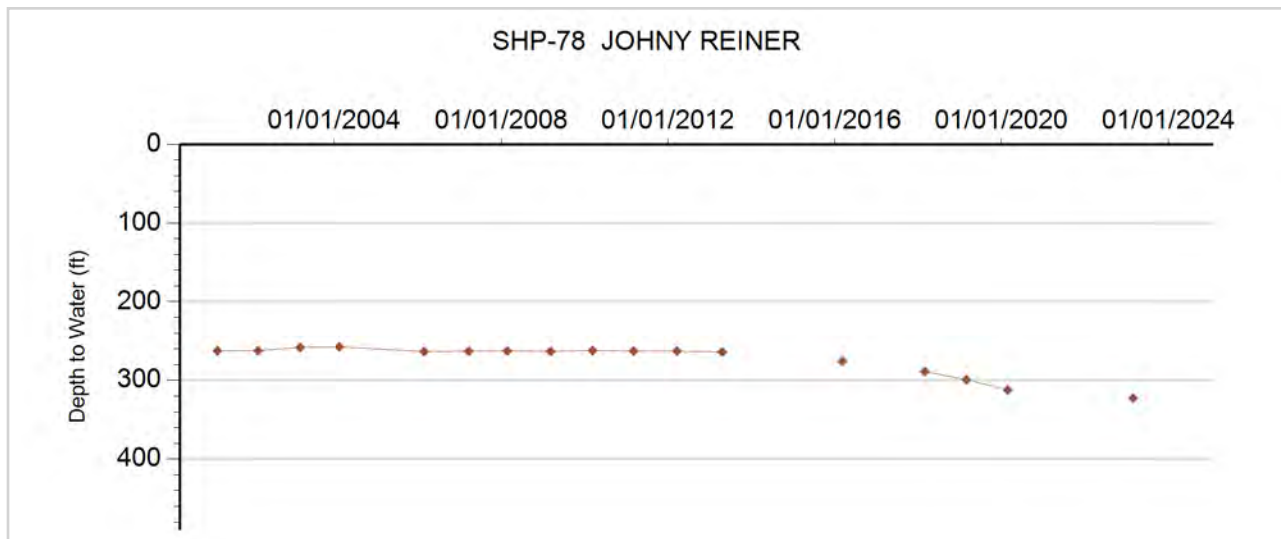
Construction Information

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: 03/04/2024

Number of Measurements: 23





GROUNDWATER DETAILS

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

Permit Number: 49691-

WDID:

Data Source: DWR

Location Number: SC03404715CD

USGS Site ID:

Applicant/Contact: ROGERS,C.& V.

Physical Location

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

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

Ten Most Recent Readings

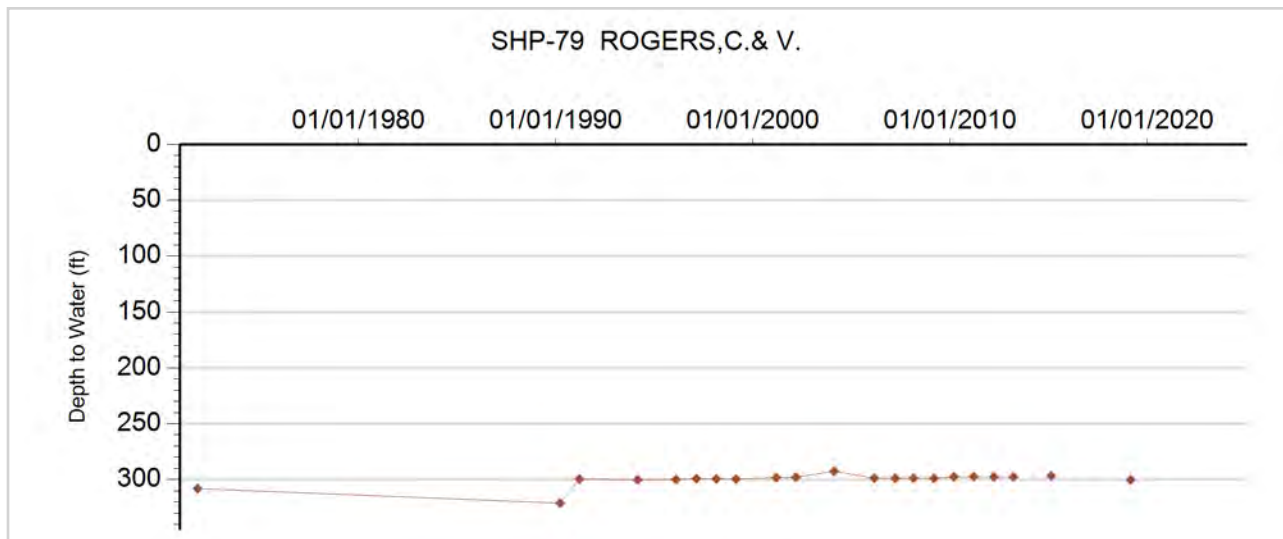
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2024			
02/27/2023			
03/03/2022			
03/04/2021			
02/24/2020			
02/26/2019	300.14	4182.86	
02/26/2018			
02/27/2017			
03/07/2016			
02/17/2015	296.62	4186.38	

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: 03/04/2024
Number of Measurements: 30





COLORADO
Division of Water Resources
Department of Natural Resources

GROUNDWATER DETAILS

Well Name: SHP-80 US GOVERNMENT

Permit Number: 127340-

WDID:

Data Source: DWR

Location Number: SC03404808BCC

USGS Site ID: 370557102504800

Applicant/Contact: US GOVERNMENT

Physical Location

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

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

Ten Most Recent Readings

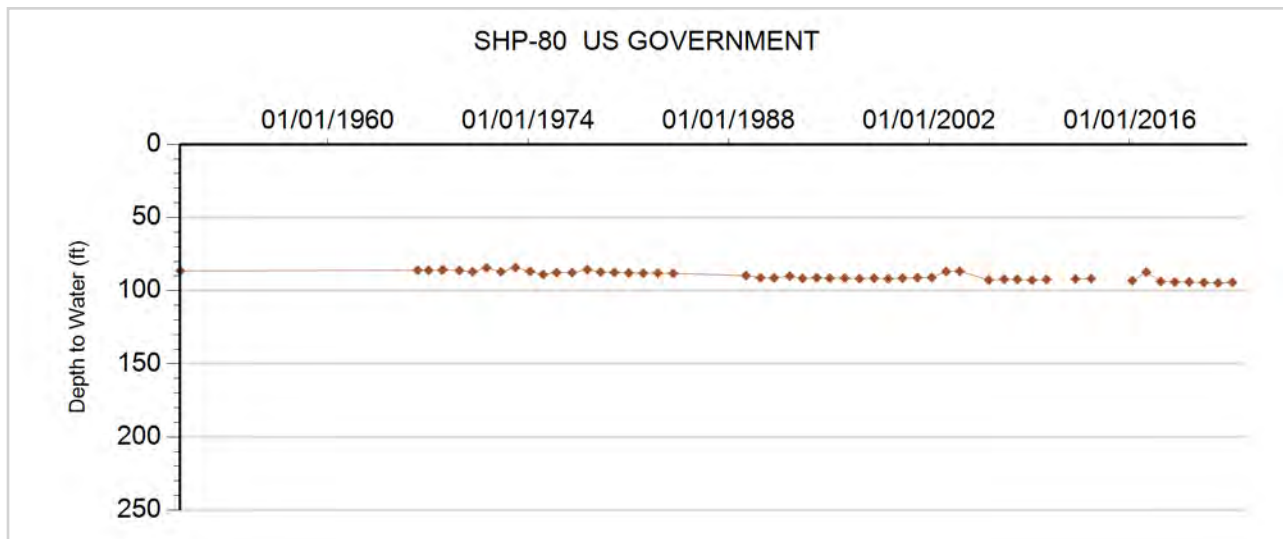
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2024			
02/27/2023	94.30	4503.60	0.46
03/03/2022	94.76	4503.14	-0.28
03/04/2021	94.48	4503.42	-0.42
02/24/2020	94.06	4503.84	-0.03
02/25/2019	94.03	4503.87	-0.30
02/26/2018	93.73	4504.17	-6.41
02/27/2017	87.32	4510.58	5.82
03/07/2016	93.14	4504.76	
02/17/2015			

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: 03/04/2024
Number of Measurements: 56





COLORADO
Division of Water Resources
Department of Natural Resources

GROUNDWATER DETAILS

Well Name: SHP-81 USDA FOREST SERV.

Permit Number: 127294--A

WDID:

Data Source: DWR

Location Number: SC03404826DDC

USGS Site ID: 370243102465000

Applicant/Contact: USDA FOREST SERV.

Physical Location

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

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

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2024	67.31	4464.84	0.16
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

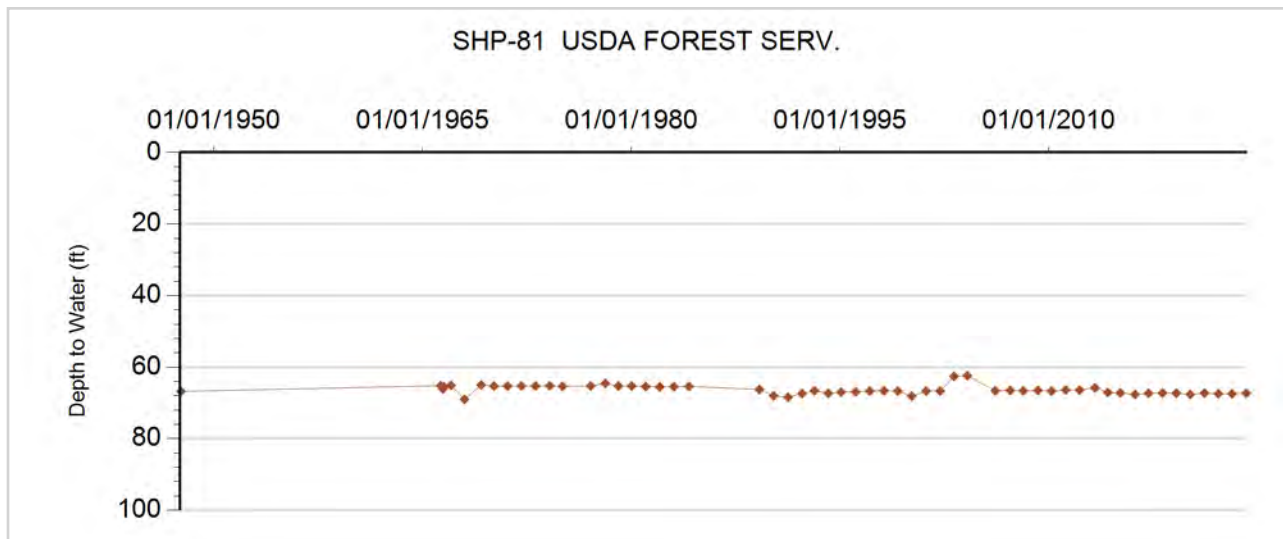
Construction Information

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: 03/04/2024

Number of Measurements: 56





COLORADO
Division of Water Resources
Department of Natural Resources

GROUNDWATER DETAILS

Well Name: SHP-83 RAY GLOVER

Permit Number: 5333-F

WDID:

Data Source: DWR

Location Number: SC03504306CD

USGS Site ID:

Applicant/Contact: RAY GLOVER

Physical Location

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

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

Ten Most Recent Readings

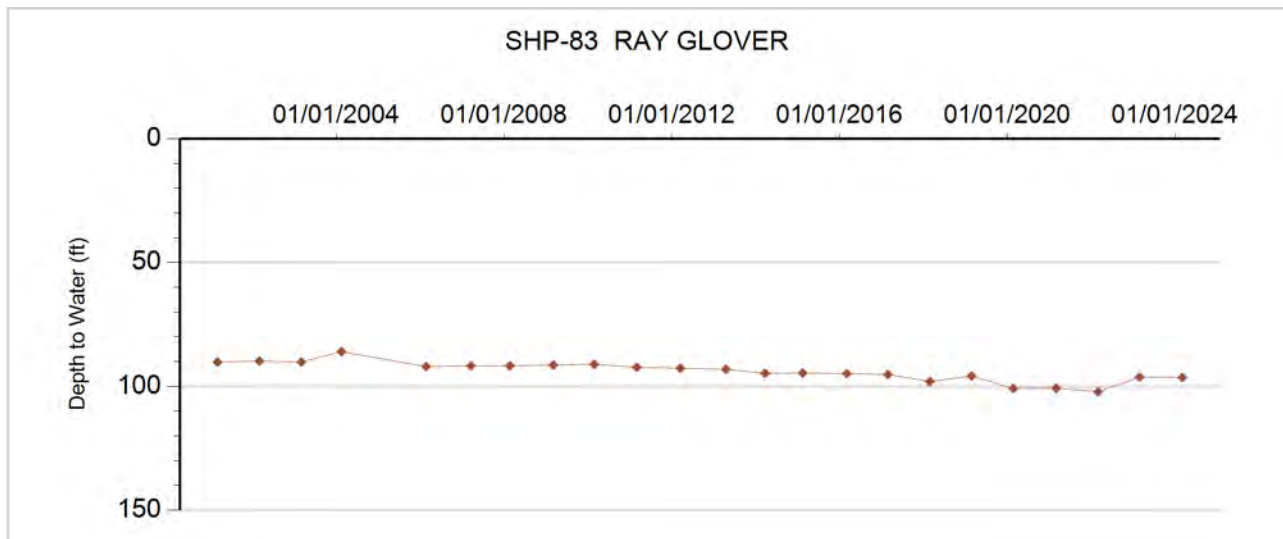
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	96.40	3783.60	-0.16
02/28/2023	96.24	3783.76	5.93
03/04/2022	102.17	3777.83	-1.37
03/04/2021	100.80	3779.20	0.10
02/25/2020	100.90	3779.10	-5.08
02/26/2019	95.82	3784.18	2.20
02/28/2018	98.02	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

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: 03/06/2024
Number of Measurements: 23





COLORADO
Division of Water Resources
Department of Natural Resources

GROUNDWATER DETAILS

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

Permit Number: 127551-

WDID:

Data Source: DWR

Location Number: SC03504510BB

USGS Site ID: 370053102290700

Applicant/Contact: HALLENBACK, G.&M.

Physical Location

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

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

Ten Most Recent Readings

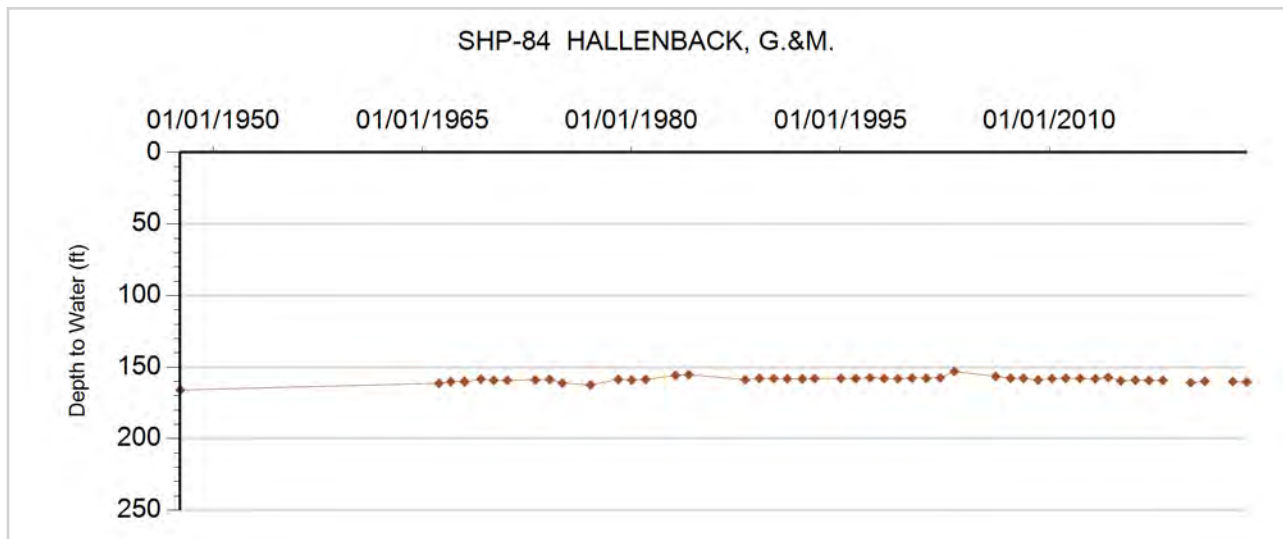
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	160.37	3944.53	-0.23
02/28/2023	160.14	3944.76	
03/04/2022			
03/04/2021	159.85	3945.05	0.99
02/25/2020	160.84	3944.06	
02/26/2019			
02/27/2018	159.28	3945.62	0.01
02/28/2017	159.29	3945.61	-0.20
03/07/2016	159.09	3945.81	0.54
02/17/2015	159.63	3945.27	-2.47

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: 03/06/2024
Number of Measurements: 51





GROUNDWATER DETAILS

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

Permit Number: 10763-

WDID:

Data Source: DWR

Location Number: SC03504603DC

USGS Site ID:

Applicant/Contact: DIXON, WM.J.

Physical Location

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

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

Ten Most Recent Readings

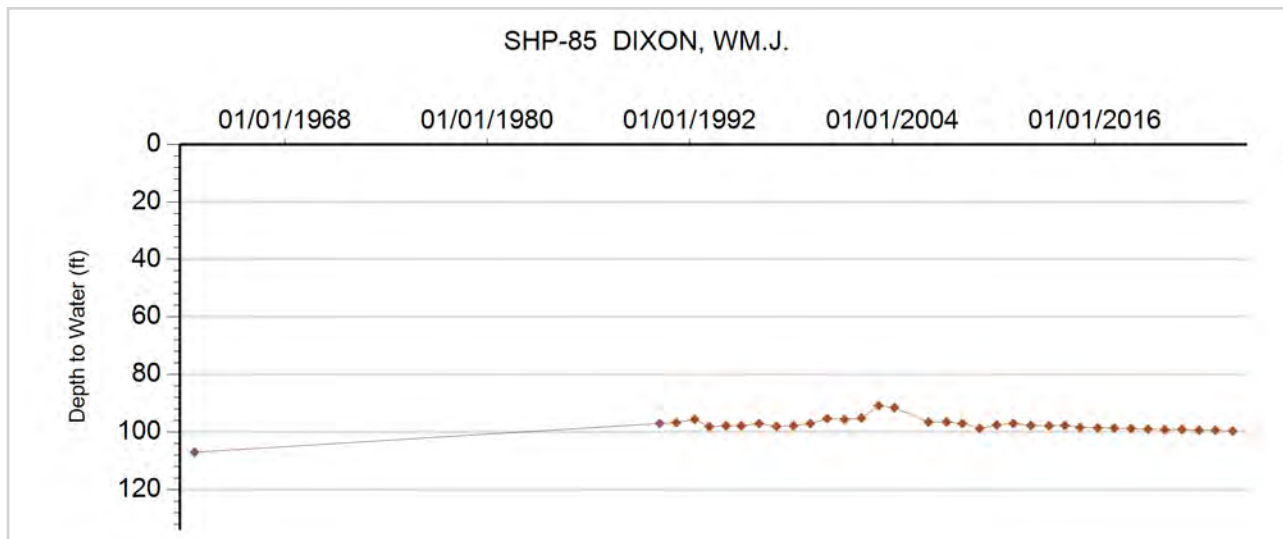
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/06/2024	99.62	4095.38	-0.28
02/28/2023	99.34	4095.66	0.00
03/04/2022	99.34	4095.66	-0.25
03/04/2021	99.09	4095.91	0.10
02/25/2020	99.19	4095.81	-0.23
02/26/2019	98.96	4096.04	-0.21
02/27/2018	98.75	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

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: 03/06/2024
Number of Measurements: 35





GROUNDWATER DETAILS

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

Permit Number: 5650-F

WDID:

Data Source: DWR

Location Number: SC03505003AAC

USGS Site ID:

Applicant/Contact: WELBORN,J.M.

Physical Location

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

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

Ten Most Recent Readings

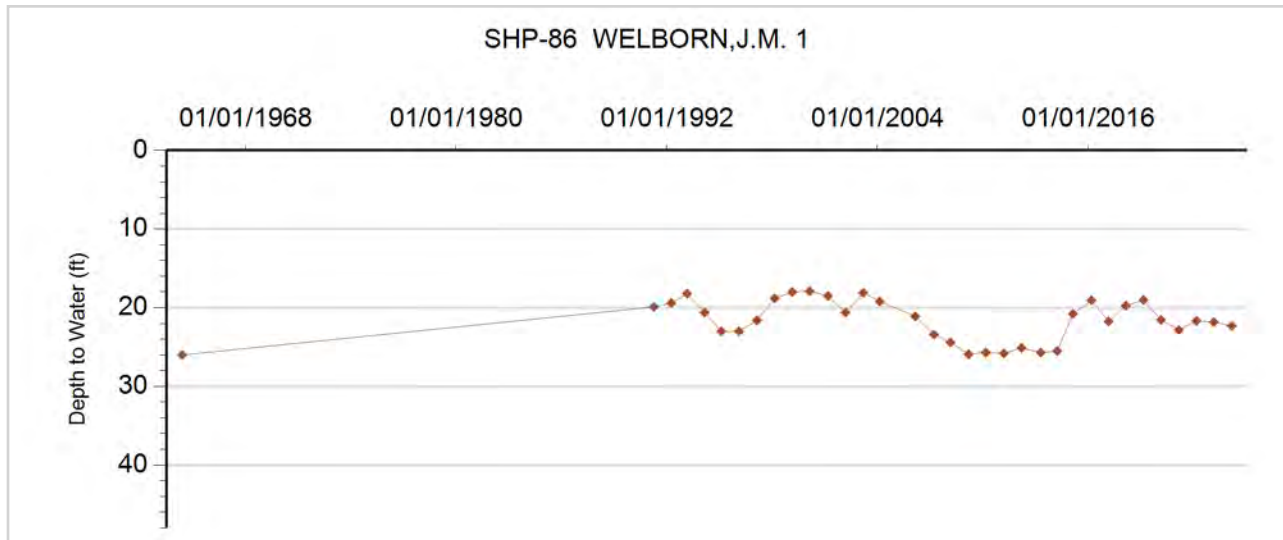
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2024	22.31	4447.69	-0.48
02/27/2023	21.83	4448.17	-0.17
03/03/2022	21.66	4448.34	1.17
03/03/2021	22.83	4447.17	-1.29
02/24/2020	21.54	4448.46	-2.53
02/25/2019	19.01	4450.99	0.72
02/26/2018	19.73	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

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: 03/04/2024
Number of Measurements: 34





GROUNDWATER DETAILS

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

Permit Number: 3220-F

WDID:

Data Source: DWR

Location Number: SC03505012BBA

USGS Site ID:

Applicant/Contact: WELBORN,J.M.

Physical Location

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

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

Ten Most Recent Readings

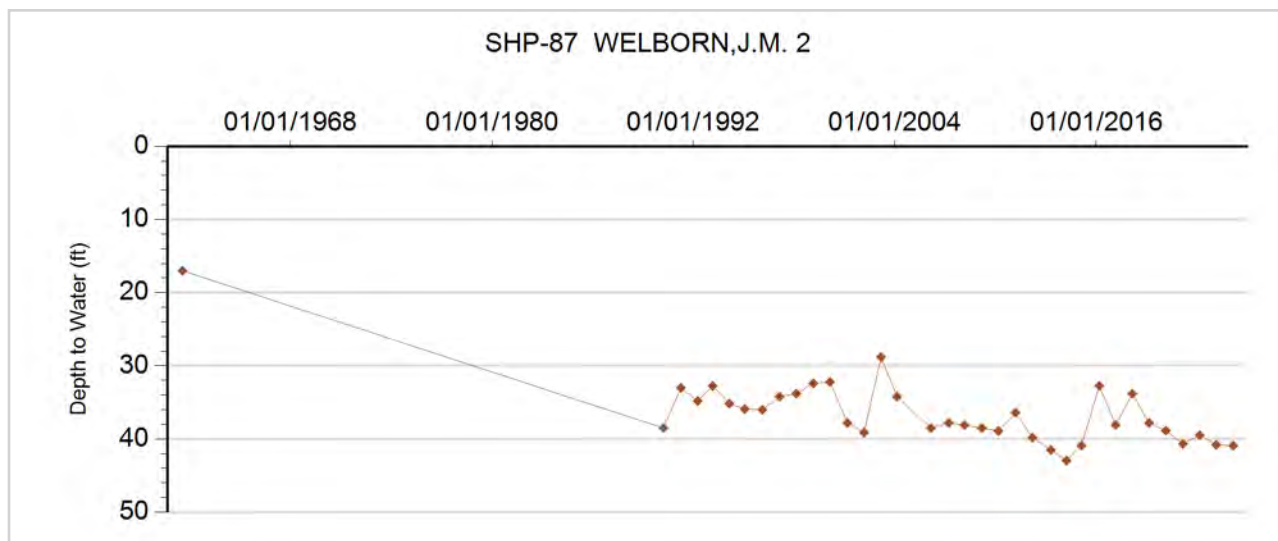
Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2024	40.91	4370.09	-0.12
02/27/2023	40.79	4370.21	-1.31
03/03/2022	39.48	4371.52	1.19
03/03/2021	40.67	4370.33	-1.82
02/24/2020	38.85	4372.15	-1.05
02/25/2019	37.80	4373.20	-3.99
02/26/2018	33.81	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

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: 03/04/2024
Number of Measurements: 35





GROUNDWATER DETAILS

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

Permit Number: 3221-F

WDID:

Data Source: DWR

Location Number: SC03505012BB

USGS Site ID:

Applicant/Contact: WELBORN,J.M.

Physical Location

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

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

Ten Most Recent Readings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
03/04/2024	36.16	4373.84	4.59
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

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: 03/04/2024
Number of Measurements: 35

