

Groundwater Levels in the Southern High Plains Designated Groundwater Basin

2022

by
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Hydrogeology Section

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COLORADO
Division of Water Resources
Department of Natural Resources

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Groundwater Level Measurements in the Southern High Plains Designated Groundwater Basin 2022

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 60 wells were measured during early March 2022. Water levels were not measured in 14 wells that were pumping or where access was restricted. Figure 2 shows the location and designation of all 89 monitoring wells. The map shows the well number with "SHP" prefix removed for spacing purposes. Figure 3 well symbols indicate the aquifers in which these wells are completed. Tabular data are presented for each well for the previous ten years. Graphical data are presented for the entire period of record. Analyses of changes in the water level in the aquifer are complicated by unknown pumping schedules. The table below summarizes some observations gleaned from the data for each aquifer.

| Aquifer | 2022 Water Level Range (ft below ground) | Avg. Water Level Change 2021-2022 (ft) | Avg. Water Level Change 2017-2022 (ft) | Avg. Water Level Change 2012-2022 (ft) |
|-----------------|--|--|--|--|
| Ogallala | 95 to 268 | -1.8 | -5.4 | -12.3 |
| Dakota/Cheyenne | 63 to 344 | -1.6 | -4.6 | -14.2 |
| Dockum | 32 to 289 | -0.5 | -3.9 | -5.2 |

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

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

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

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

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

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

or the Colorado Decision Support System MapViewer:

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

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

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

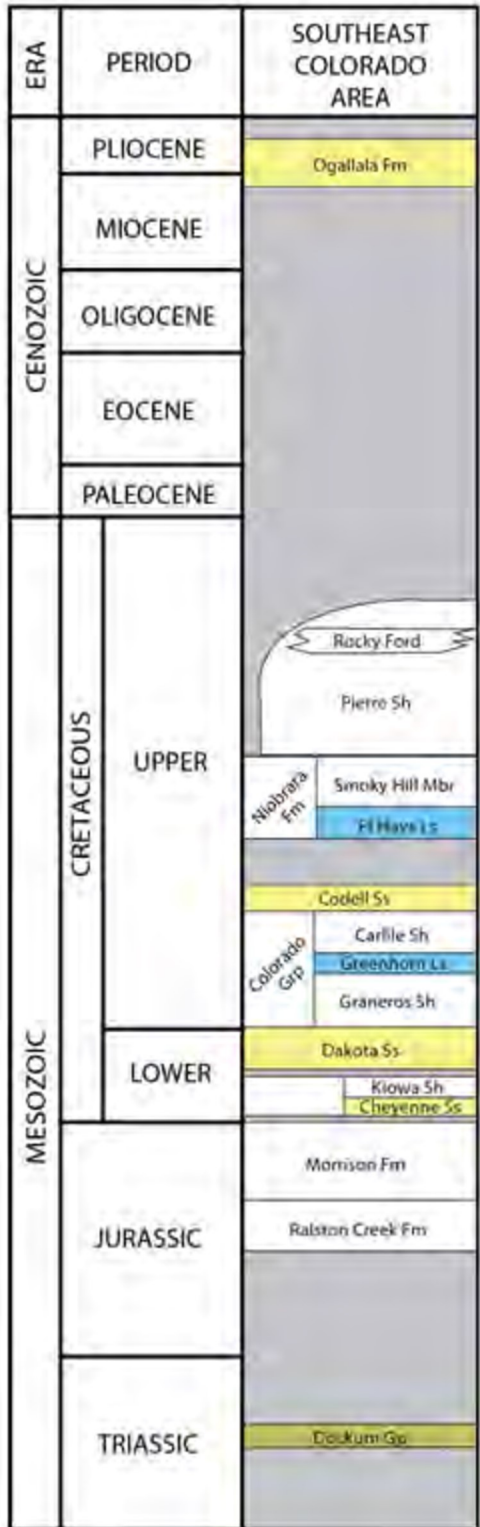
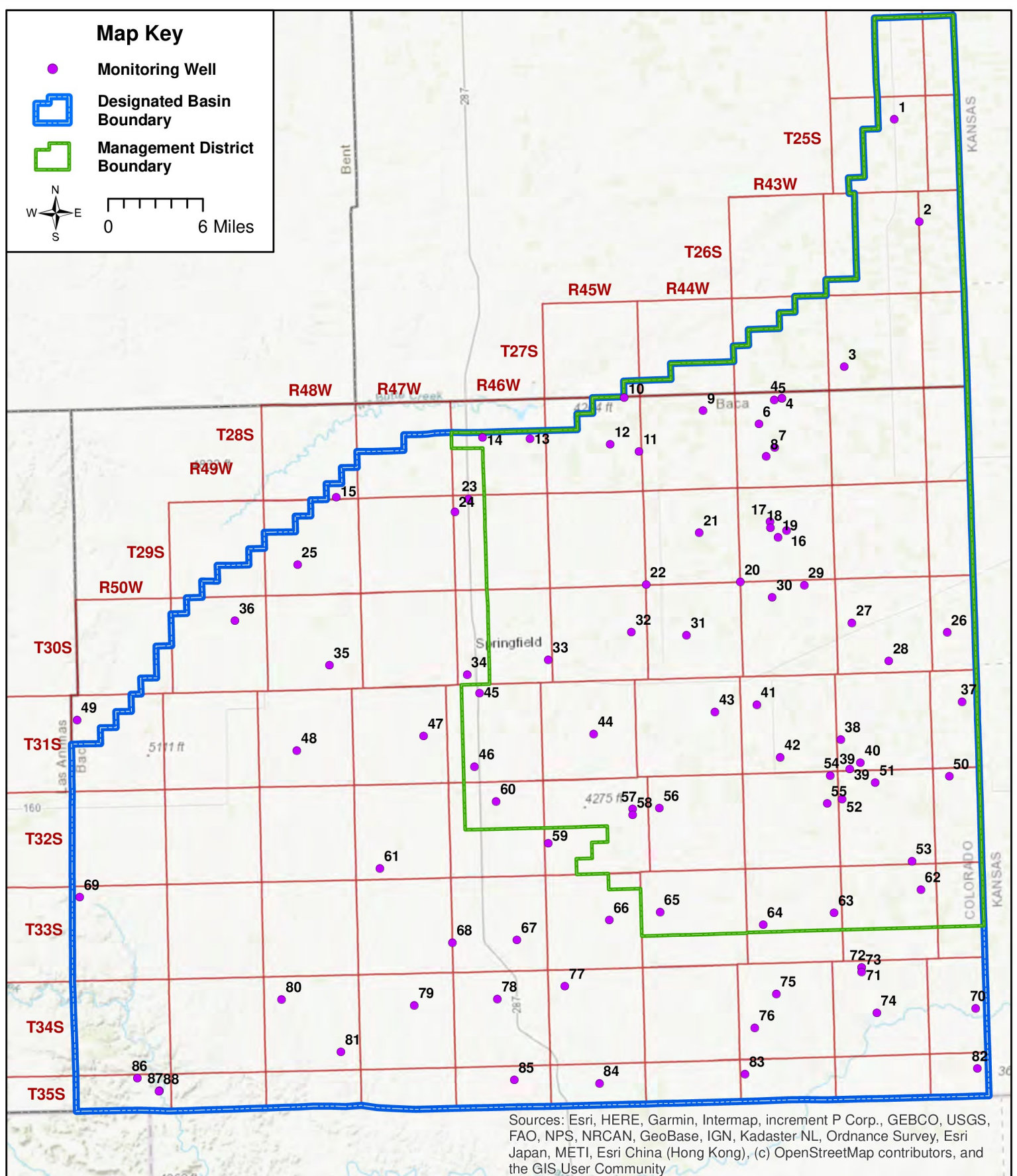


Figure 1 - Bedrock Aquifers of Southeast Colorado (yellow - sandstone dominated; blue-limestone dominated)

Map Key

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

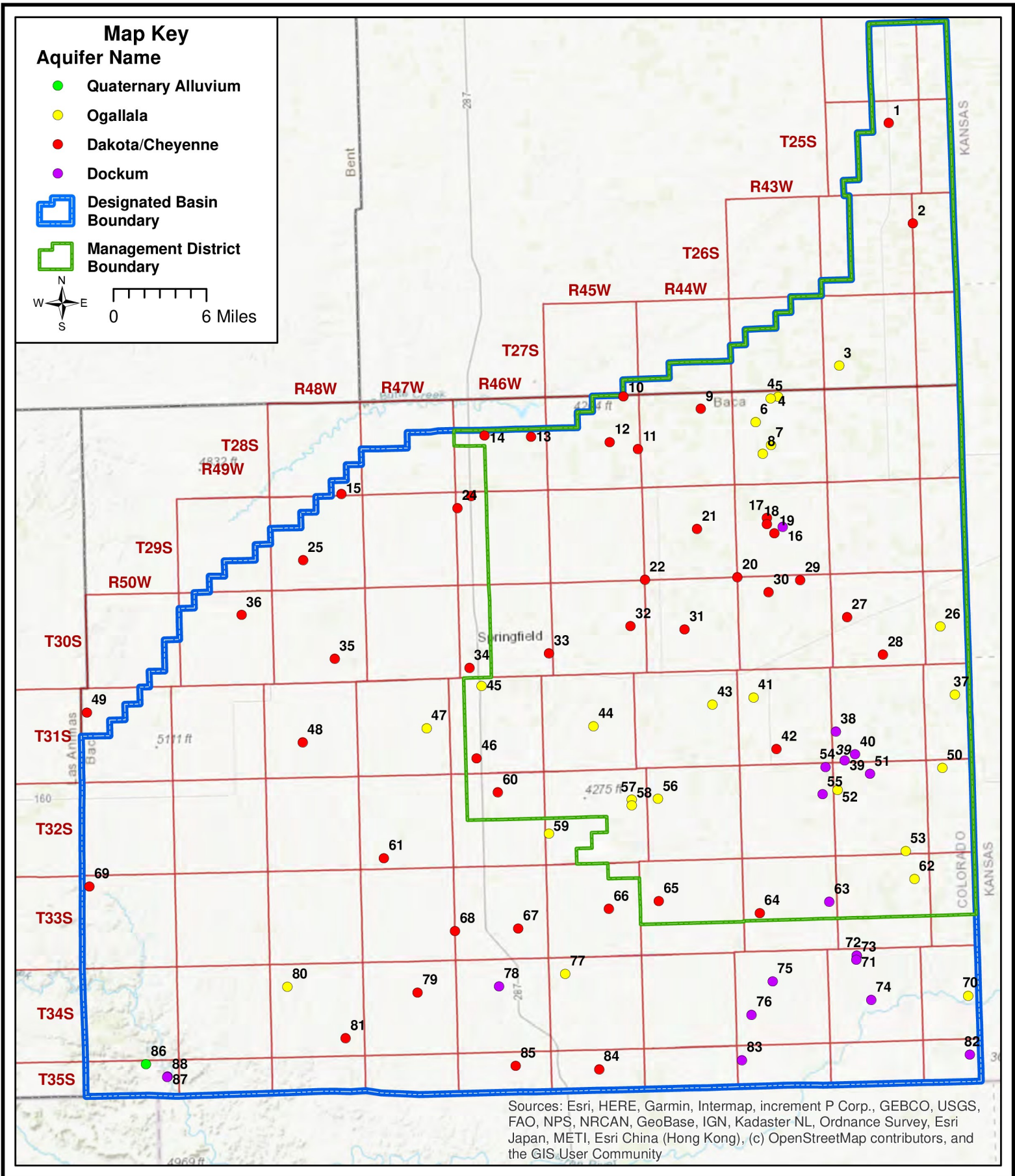


Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



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Southern High Plains Designated Basin Monitoring Well Locations Figure 2



Map Key

Groundwater Level Change

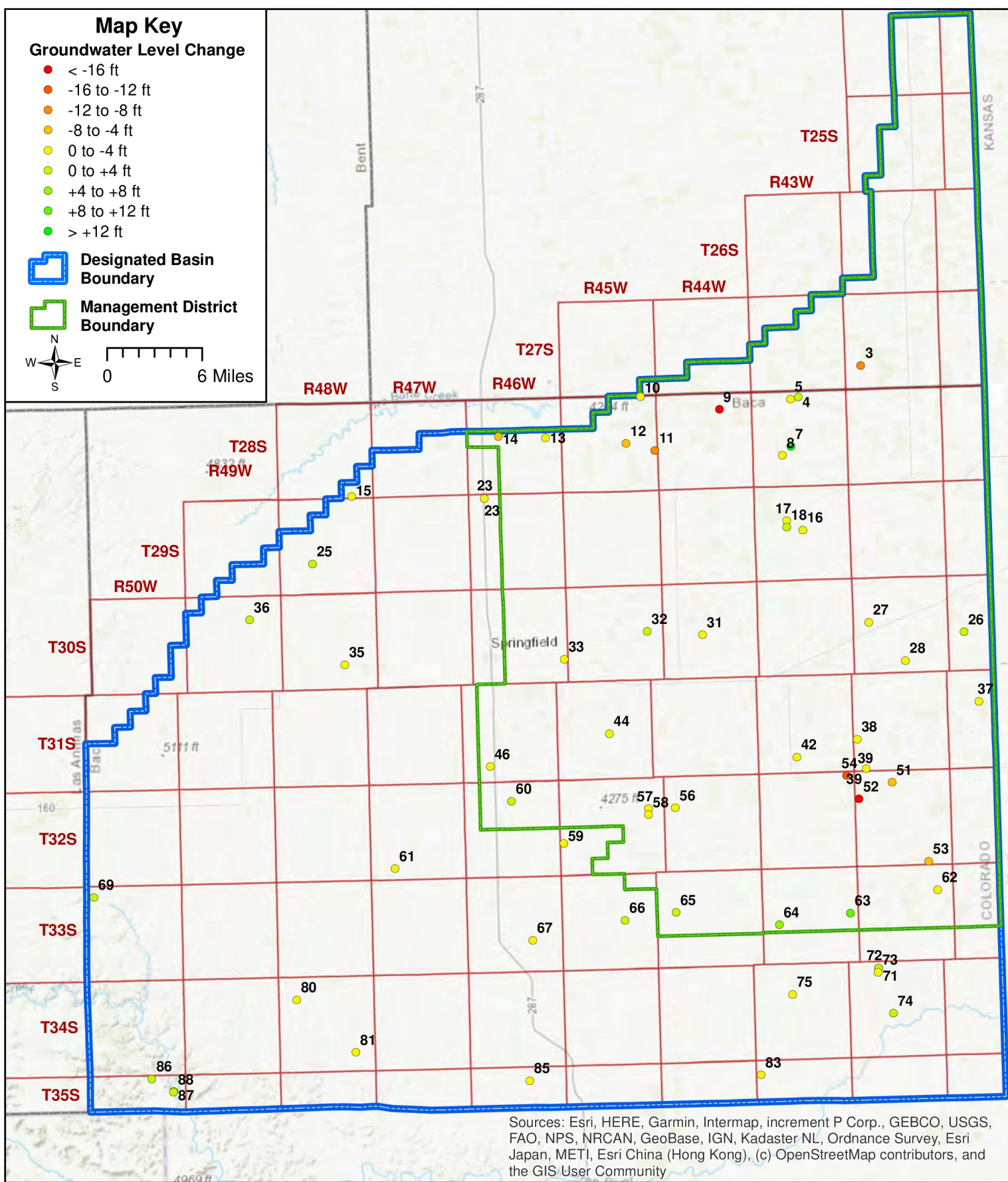
- < -16 ft
- -16 to -12 ft
- -12 to -8 ft
- -8 to -4 ft
- 0 to -4 ft
- 0 to +4 ft
- +4 to +8 ft
- +8 to +12 ft
- > +12 ft

 Designated Basin Boundary

 Management District Boundary



0 6 Miles



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



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Southern High Plains Designated Basin Water Level Trends 2021-2022 Figure 4

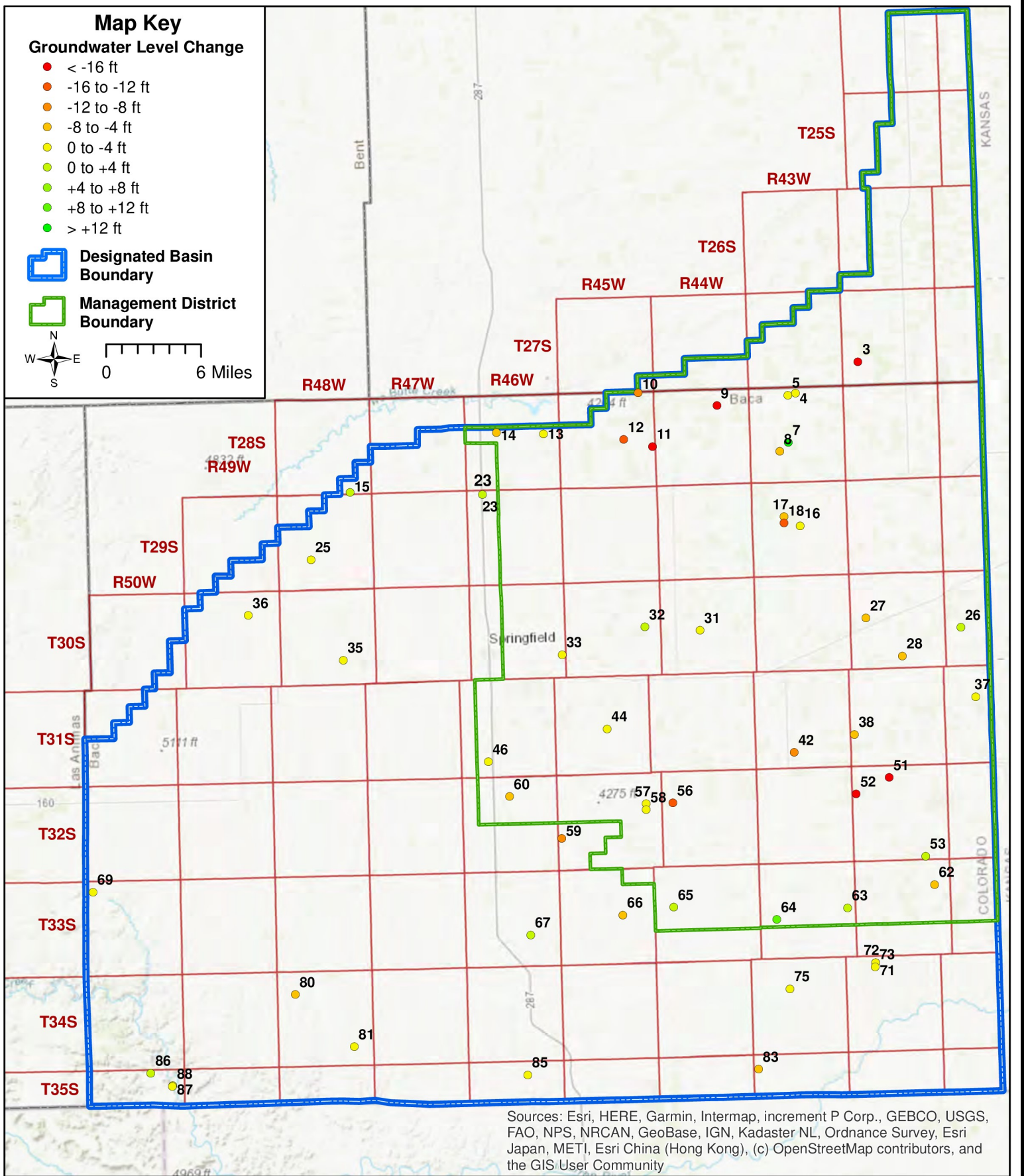
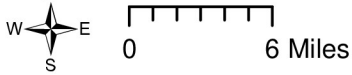
Map Key

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



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



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Southern High Plains Designated Basin Water Level Trends 2017-2022

Figure 5

Map Key

Groundwater Level Change

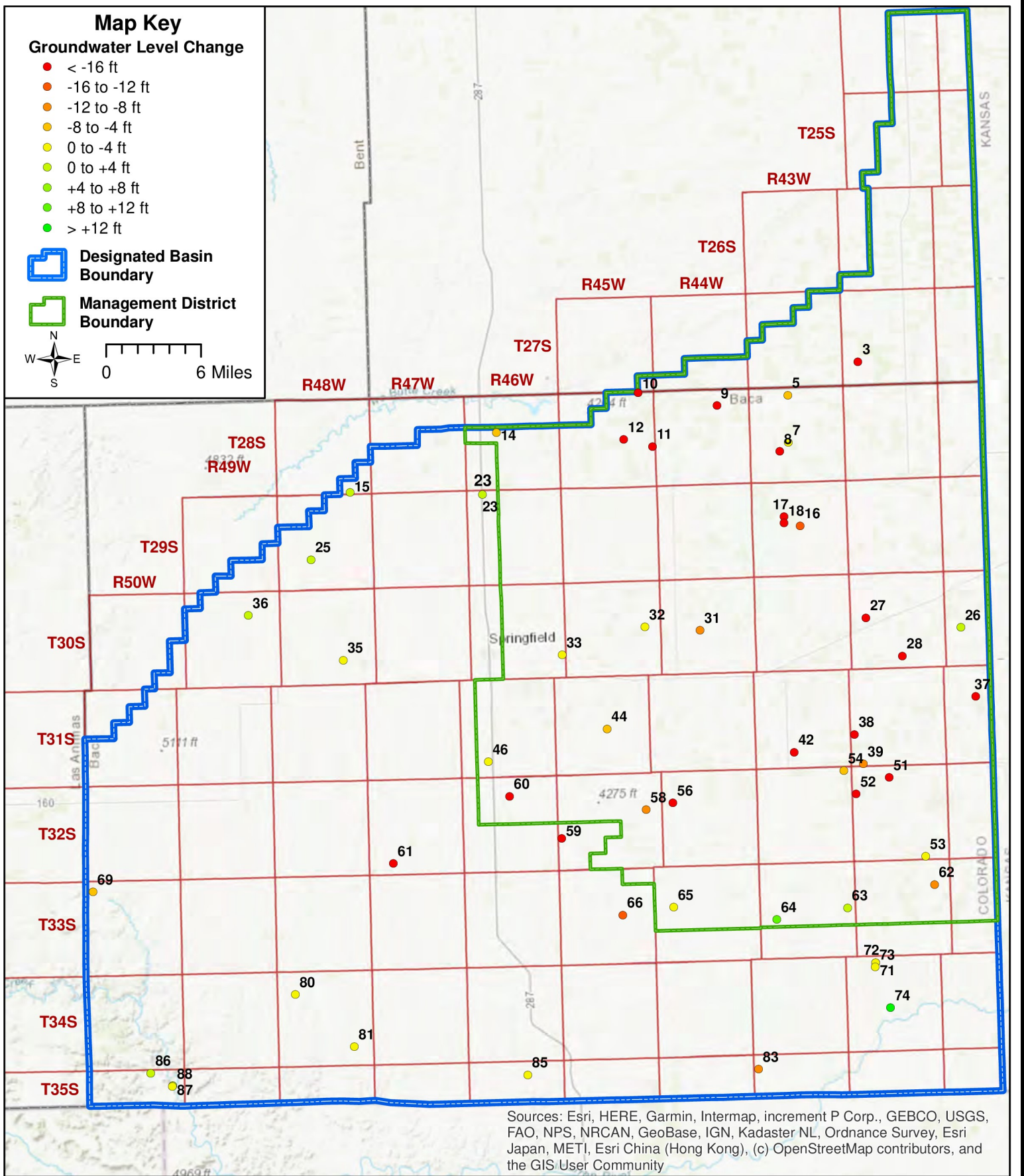
- < -16 ft
- -16 to -12 ft
- -12 to -8 ft
- -8 to -4 ft
- 0 to -4 ft
- 0 to +4 ft
- +4 to +8 ft
- +8 to +12 ft
- > +12 ft

 Designated Basin Boundary

 Management District Boundary



0 6 Miles



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



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Southern High Plains Designated Basin Water Level Trends 2012-2022

Figure 6



GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

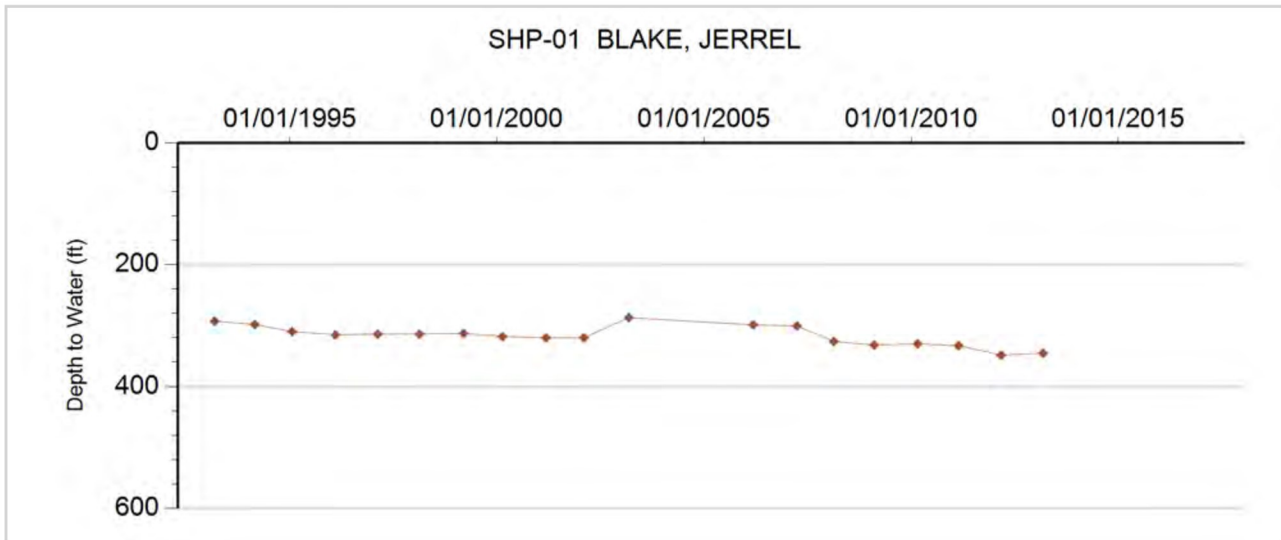
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/02/2017 | | | |
| 03/10/2016 | | | |
| 02/20/2015 | | | |
| 03/18/2014 | | | |
| 03/10/2013 | 345.30 | 3313.70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

Construction Information

Surface Elevation (ft): 3659
 Well Depth (ft): 600
 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: 03/11/1993 End Date: 03/02/2017
 Number of Measurements: 23





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

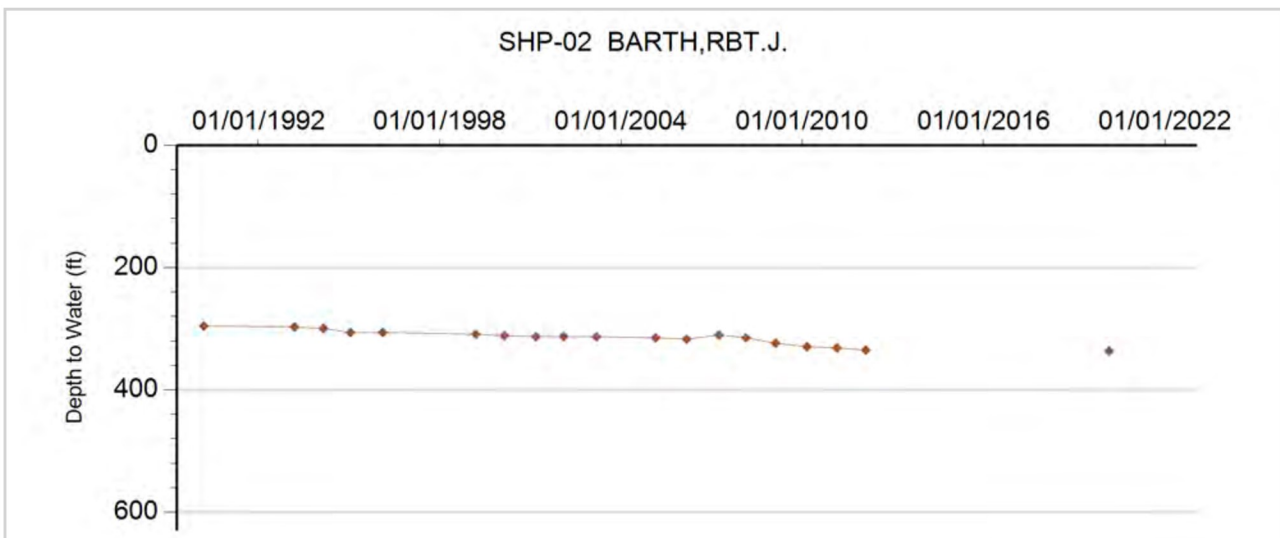
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/06/2022 | | | |
| 03/06/2021 | | | |
| 02/27/2020 | 336.49 | 3318.51 | |
| 03/01/2019 | | | |
| 03/01/2018 | | | |
| 03/02/2017 | | | |
| 03/10/2016 | | | |
| 02/20/2015 | | | |
| 03/18/2014 | | | |
| 03/10/2013 | | | |

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

Well Measurement Summary

Start Date: 03/12/1990 End Date: 03/06/2022
 Number of Measurements: 28





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

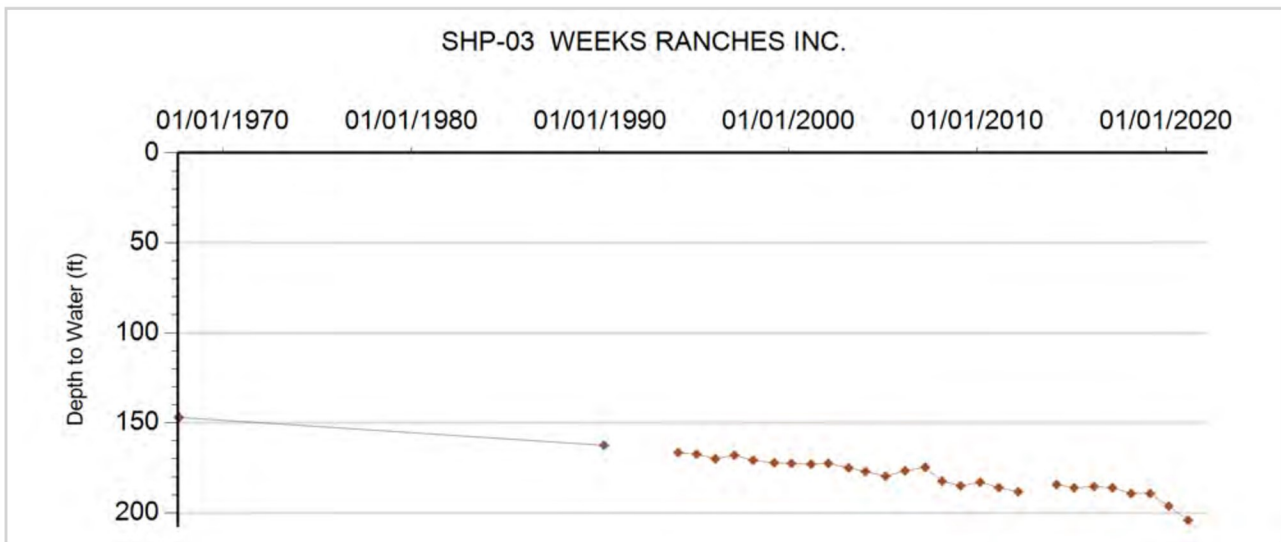
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/06/2022 | 214.07 | 3613.01 | -9.93 |
| 03/06/2021 | 204.14 | 3622.94 | -7.81 |
| 02/27/2020 | 196.33 | 3630.75 | -7.03 |
| 03/01/2019 | 189.30 | 3637.78 | 0.00 |
| 03/01/2018 | 189.30 | 3637.78 | -3.20 |
| 03/02/2017 | 186.10 | 3640.98 | -0.69 |
| 03/10/2016 | 185.41 | 3641.67 | 0.67 |
| 02/20/2015 | 186.08 | 3641.00 | -1.75 |
| 03/18/2014 | 184.33 | 3642.75 | |
| 03/10/2013 | | | |

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: 03/06/2022
 Number of Measurements: 33





GROUNDWATER DETAILS

Well Name: SHP-04 NUSSER,D.

Permit Number: 21218-FP-R

WDID:

Data Source: DWR

Location Number: SC02804304ADD1

USGS Site ID: 373816102152002

Applicant/Contact: NUSSER,D.

Physical Location

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

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

Ten Most Recent Readings

| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/06/2022 | 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 | |

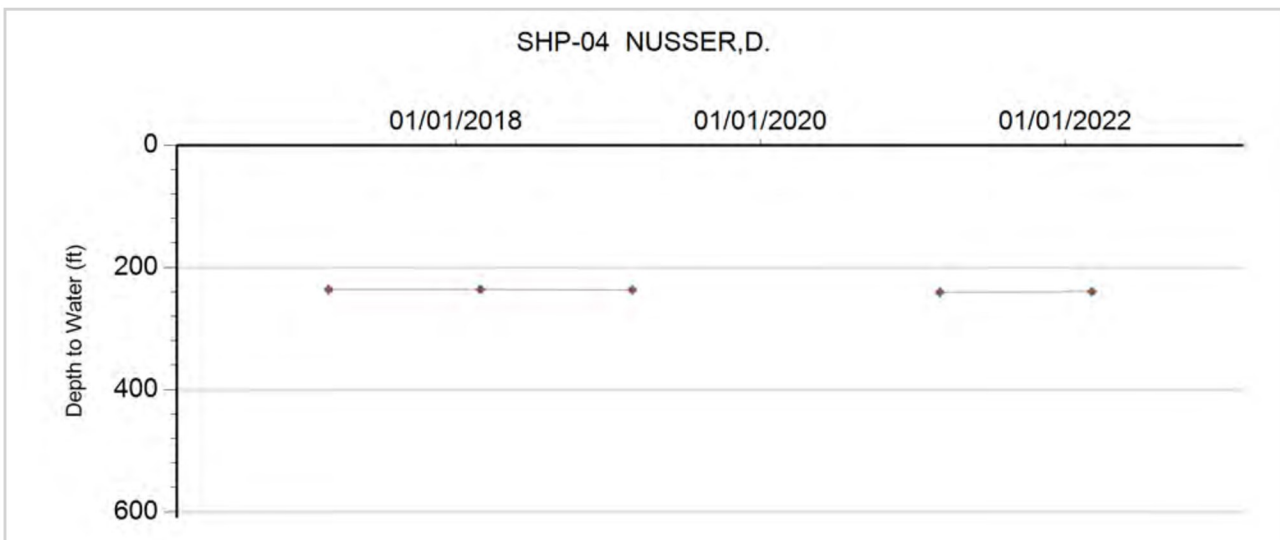
Construction Information

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

Well Measurement Summary

Start Date: 03/02/2017 End Date: 03/06/2022

Number of Measurements: 6





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

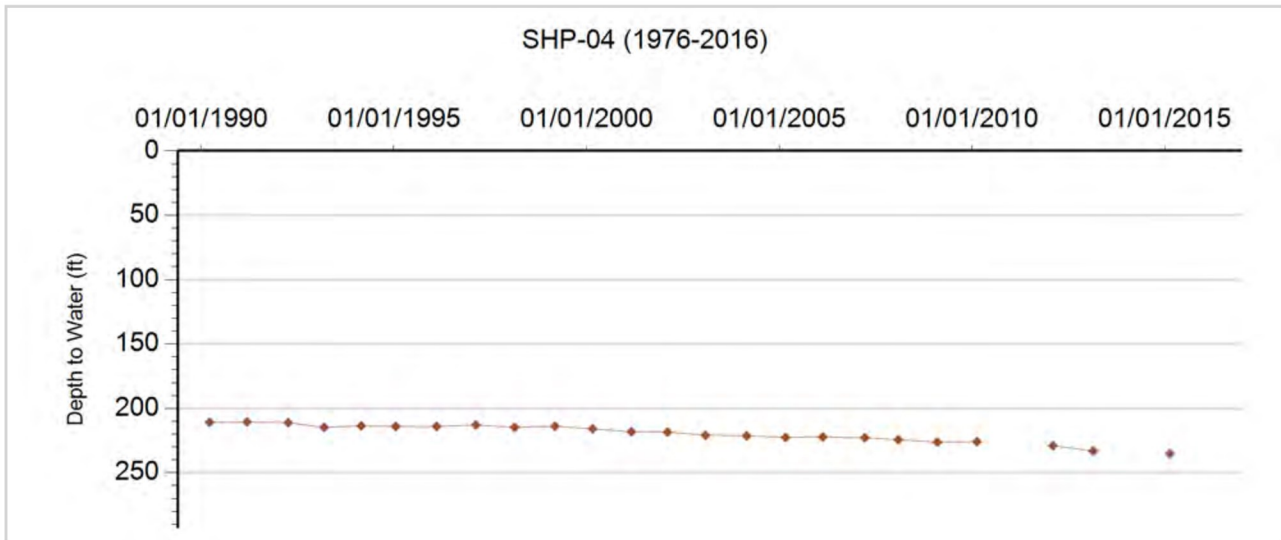
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/09/2016 | | | |
| 02/20/2015 | 235.14 | 3684.56 | |
| 03/18/2014 | | | |
| 02/23/2013 | 233.10 | 3686.60 | -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

Ten Most Recent Readings

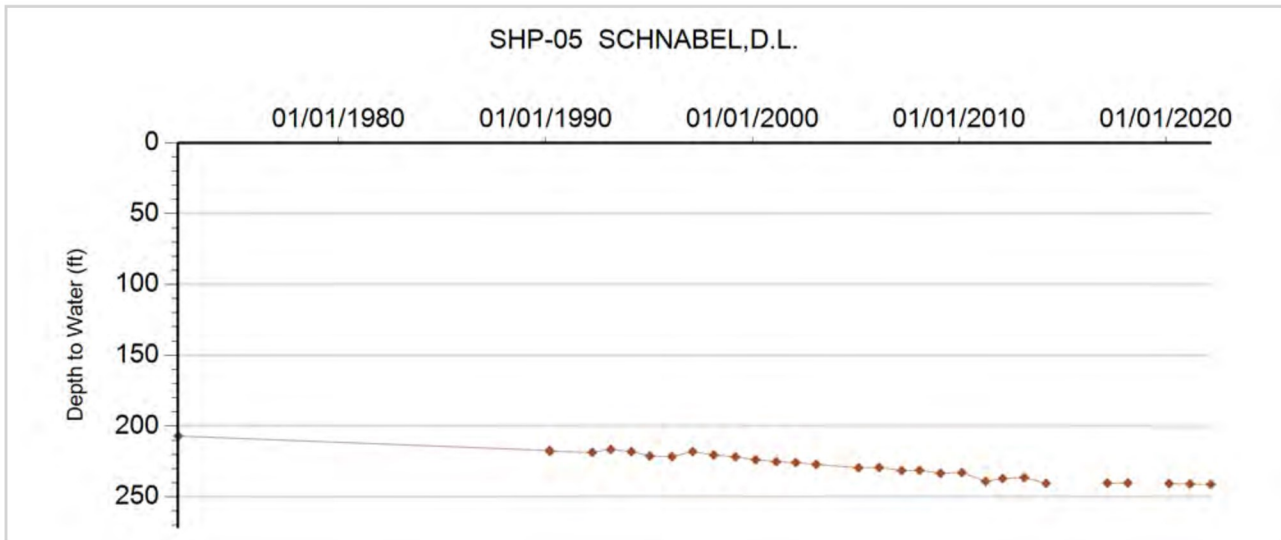
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/06/2022 | 241.08 | 3707.99 | -0.27 |
| 03/06/2021 | 240.81 | 3708.26 | -0.26 |
| 02/27/2020 | 240.55 | 3708.52 | |
| 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 | | | |
| 03/18/2014 | 240.39 | 3708.68 | -4.09 |
| 02/23/2013 | 236.30 | 3712.77 | 0.70 |

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: 03/06/2022
 Number of Measurements: 33





GROUNDWATER DETAILS

Well Name: SHP-06 MEYERS, S.

Permit Number: 9222-FP

WDID:

Data Source: DWR

Location Number: SC02804308BA

USGS Site ID:

Applicant/Contact: MEYERS, S.

Physical Location

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

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

Ten Most Recent Readings

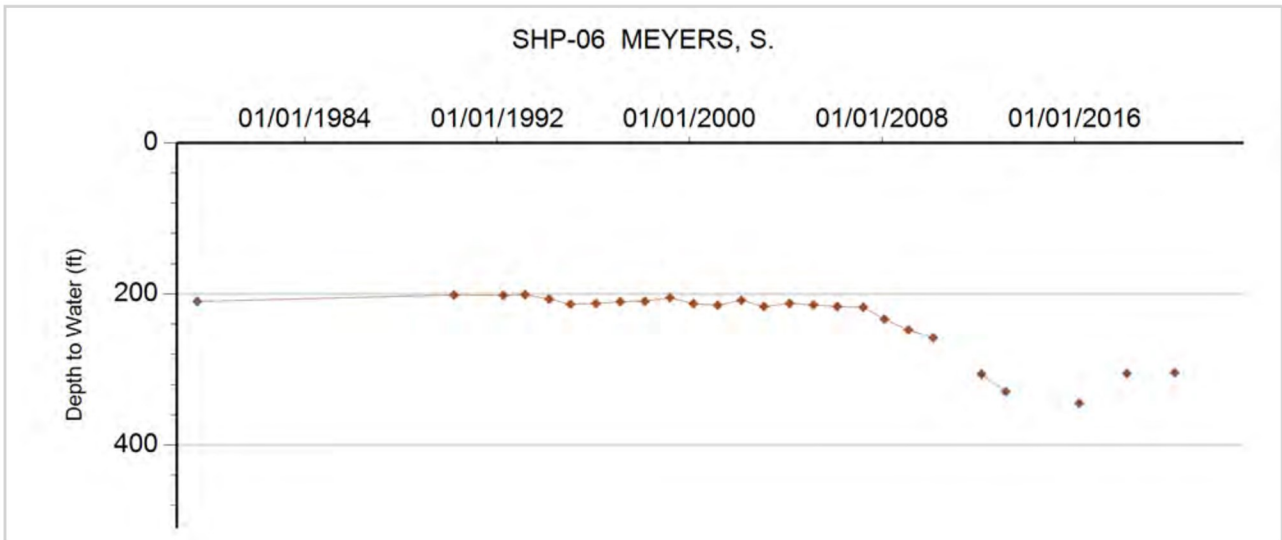
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/06/2022 | | | |
| 03/06/2021 | | | |
| 02/27/2020 | 304.18 | 3660.59 | |
| 02/28/2019 | | | |
| 03/01/2018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

Construction Information

Surface Elevation (ft): 3965
 Well Depth (ft): 510
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA, DAKOTA SANDSTONE

Well Measurement Summary

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





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

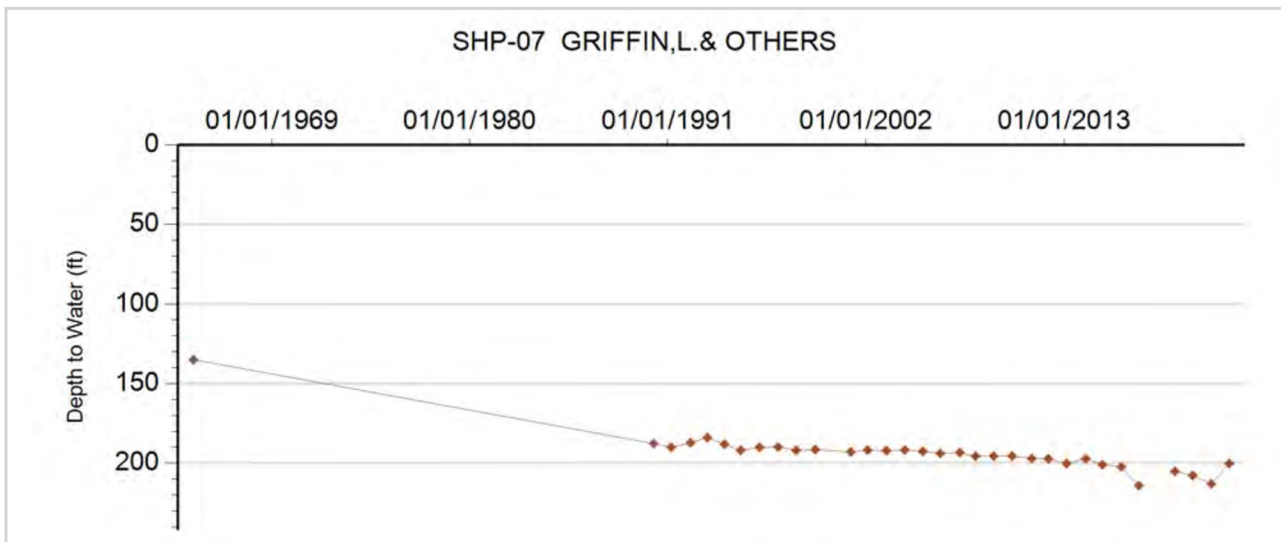
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/06/2022 | 200.15 | 3761.50 | 12.76 |
| 03/06/2021 | 212.91 | 3748.74 | -5.23 |
| 02/27/2020 | 207.68 | 3753.97 | -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 |
| 03/18/2014 | 197.19 | 3764.46 | 2.91 |
| 02/24/2013 | 200.10 | 3761.55 | -2.90 |

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: 03/06/2022
 Number of Measurements: 33





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

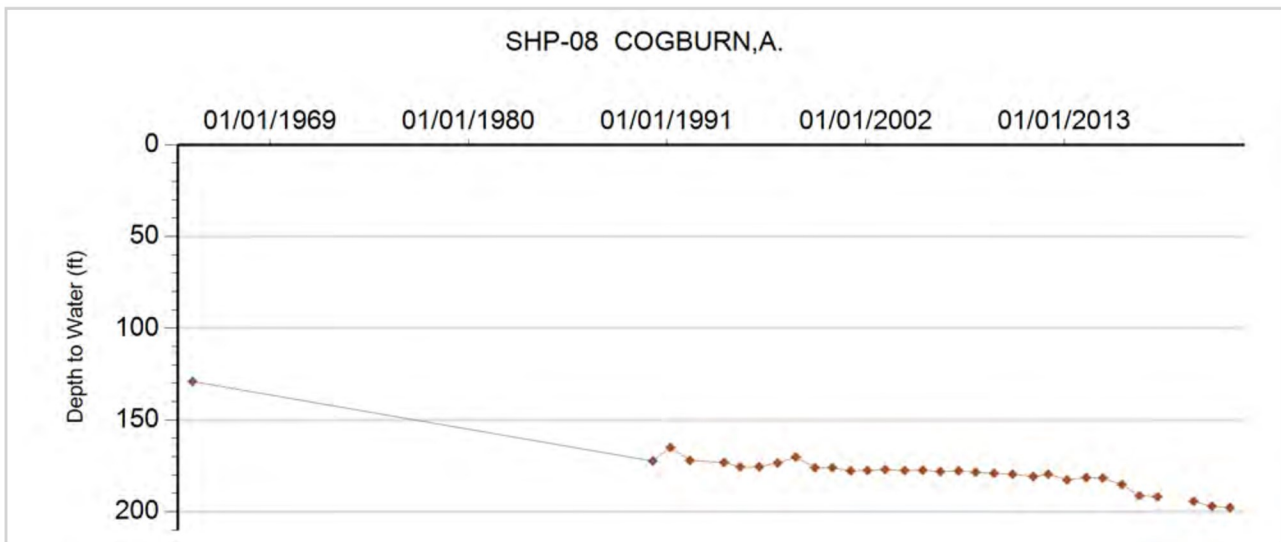
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/06/2022 | 197.76 | 3742.24 | -0.81 |
| 03/06/2021 | 196.95 | 3743.05 | -2.64 |
| 02/27/2020 | 194.31 | 3745.69 | |
| 02/28/2019 | | | |
| 03/01/2018 | 191.81 | 3748.19 | -0.51 |
| 03/02/2017 | 191.30 | 3748.70 | -6.16 |
| 03/09/2016 | 185.14 | 3754.86 | -3.54 |
| 02/20/2015 | 181.60 | 3758.40 | -0.27 |
| 03/21/2014 | 181.33 | 3758.67 | 1.27 |
| 02/25/2013 | 182.60 | 3757.40 | -3.10 |

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: 03/06/2022
 Number of Measurements: 33





GROUNDWATER DETAILS

Well Name: SHP-09 COGBURN, B.

Permit Number: 6183-FP

WDID:

Data Source: DWR

Location Number: SC02804410AAA

USGS Site ID:

Applicant/Contact: COGBURN, B.

Physical Location

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

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

Ten Most Recent Readings

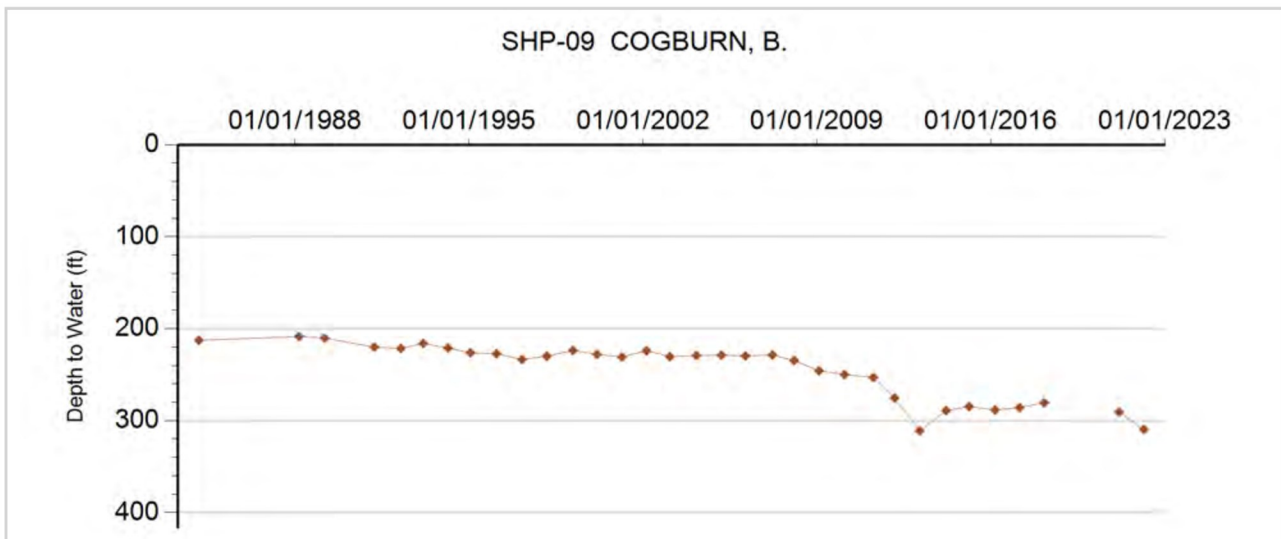
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/06/2022 | 309.57 | 3747.43 | -18.82 |
| 03/06/2021 | 290.75 | 3766.25 | |
| 02/27/2020 | | | |
| 02/28/2019 | | | |
| 03/01/2018 | 280.59 | 3776.41 | 5.23 |
| 03/02/2017 | 285.82 | 3771.18 | 2.55 |
| 03/09/2016 | 288.37 | 3768.63 | -3.68 |
| 02/20/2015 | 284.69 | 3772.31 | 4.41 |
| 03/18/2014 | 289.10 | 3767.90 | 22.00 |
| 02/23/2013 | 311.10 | 3745.90 | -35.70 |

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: 03/06/2022
 Number of Measurements: 35





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

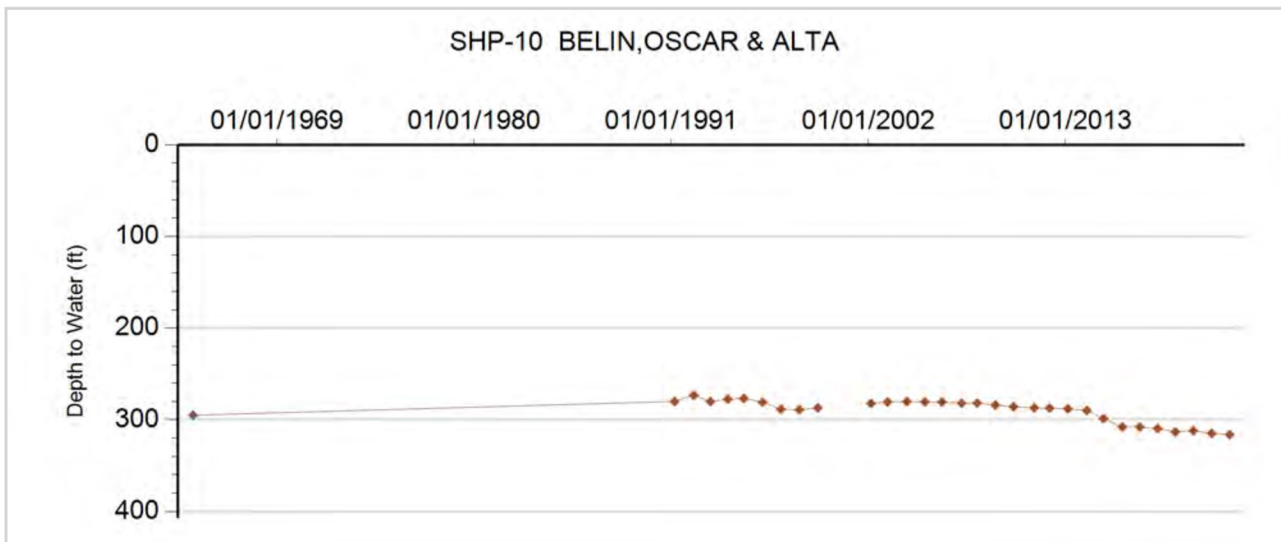
Surface Elevation (ft): 4185
Well Depth (ft): 407
Depth to Base of Grout (ft):
Depth to Top of Perforated Casing (ft): 207
Depth to Bottom of Perforated Casing (ft): 407
Source Aquifer(s): DAKOTA SANDSTONE, DOCKUM

Well Measurement Summary

Start Date: 04/24/1964 **End Date:** 03/06/2022
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 | 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 |
| 02/23/2013 | 288.10 | 3896.90 | -0.90 |





GROUNDWATER DETAILS

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

Permit Number: 9350-FP

WDID:

Data Source: DWR

Location Number: SC02804514ADC

USGS Site ID:

Applicant/Contact: AUSMUS,G,& S.

Physical Location

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

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

Ten Most Recent Readings

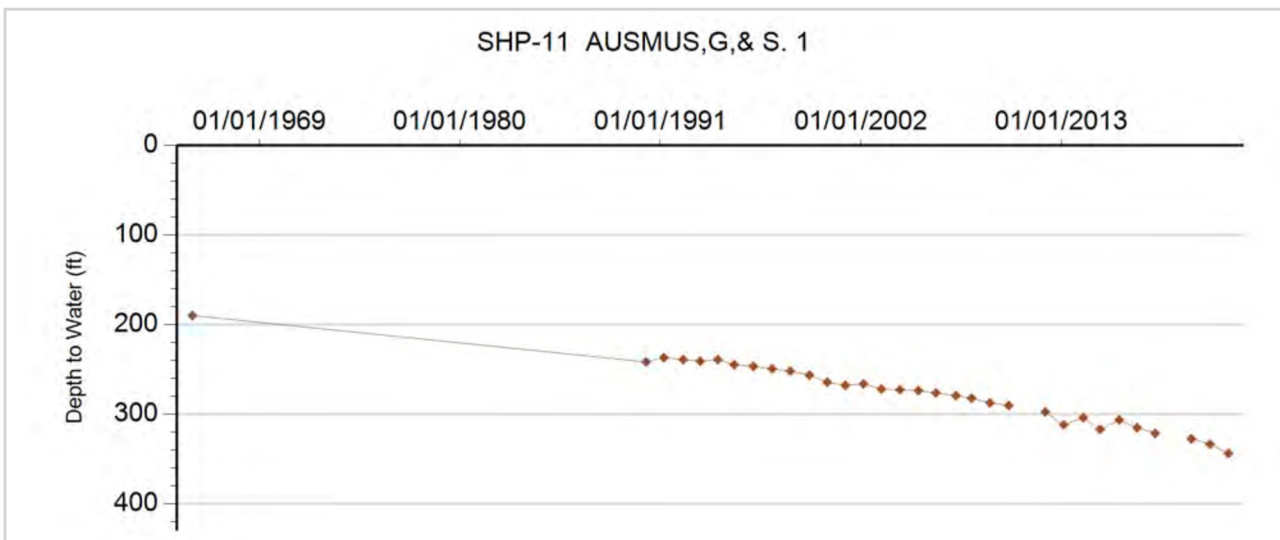
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/06/2022 | 343.88 | 3806.12 | -10.30 |
| 03/06/2021 | 333.58 | 3816.42 | -6.10 |
| 02/27/2020 | 327.48 | 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 |
| 02/23/2013 | 312.10 | 3837.90 | -14.50 |

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

Well Measurement Summary

Start Date: 04/23/1965 End Date: 03/06/2022
 Number of Measurements: 34





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

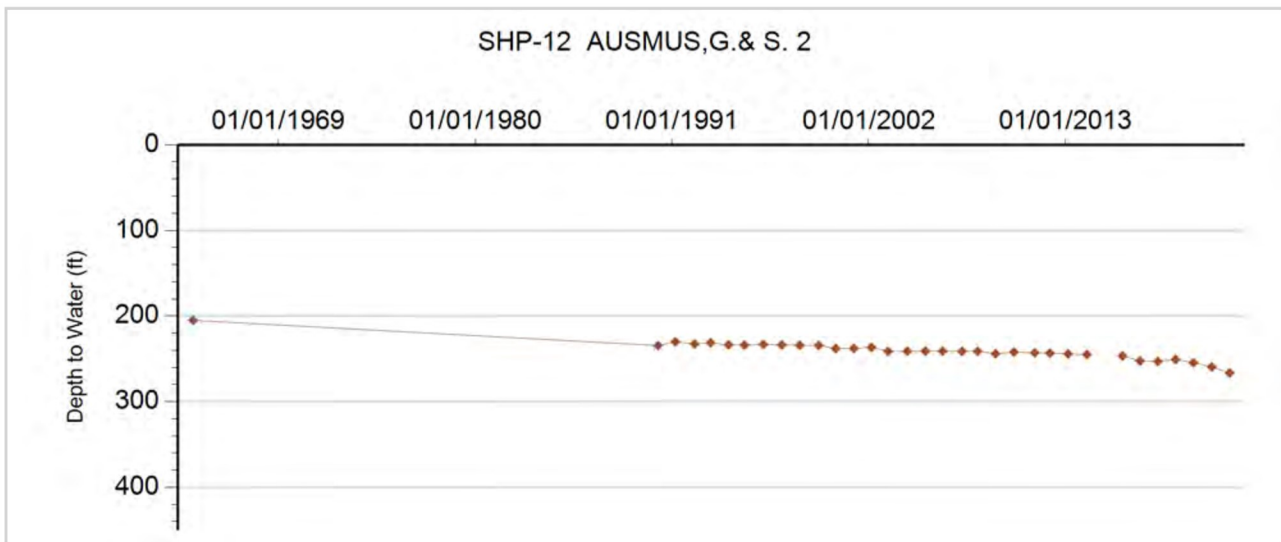
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/06/2022 | 266.40 | 3938.60 | -7.01 |
| 03/06/2021 | 259.39 | 3945.61 | -4.82 |
| 02/27/2020 | 254.57 | 3950.43 | -3.86 |
| 02/28/2019 | 250.71 | 3954.29 | 2.29 |
| 02/28/2018 | 253.00 | 3952.00 | -0.66 |
| 03/01/2017 | 252.34 | 3952.66 | -5.84 |
| 03/09/2016 | 246.50 | 3958.50 | |
| 02/20/2015 | | | |
| 03/18/2014 | 244.87 | 3960.13 | -0.77 |
| 02/23/2013 | 244.10 | 3960.90 | -0.80 |

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: 03/06/2022
 Number of Measurements: 34





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

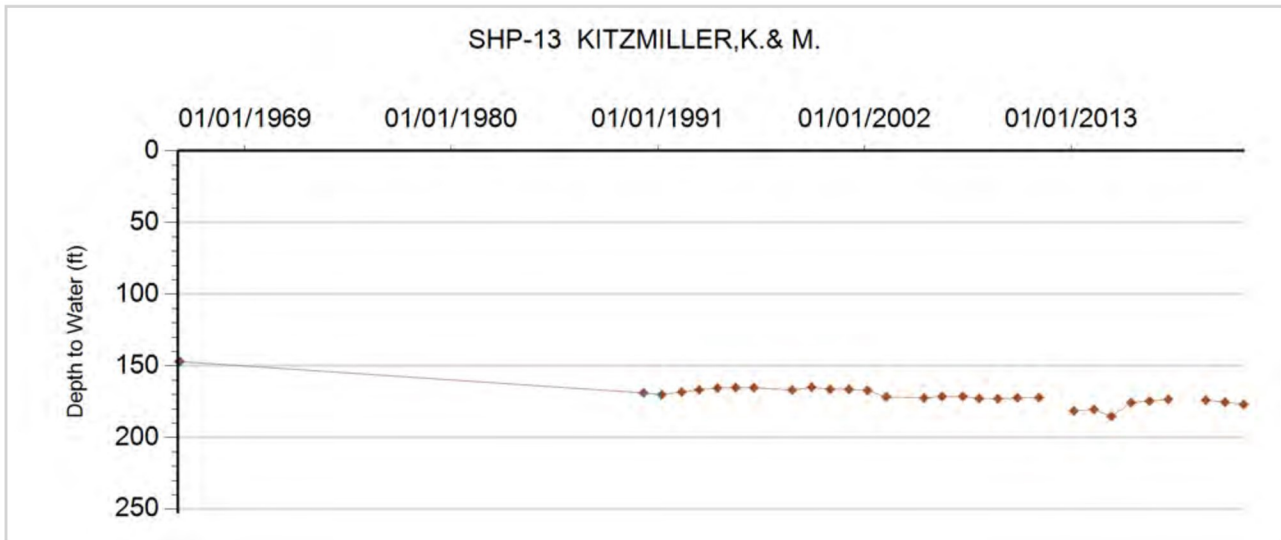
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 176.87 | 4135.09 | -1.57 |
| 03/06/2021 | 175.30 | 4136.66 | -1.44 |
| 02/27/2020 | 173.86 | 4138.10 | |
| 02/28/2019 | | | |
| 02/28/2018 | 173.29 | 4138.67 | 1.16 |
| 03/01/2017 | 174.45 | 4137.51 | 1.15 |
| 03/09/2016 | 175.60 | 4136.36 | 9.59 |
| 02/19/2015 | 185.19 | 4126.77 | -4.79 |
| 03/18/2014 | 180.40 | 4131.56 | 0.90 |
| 02/16/2013 | 181.30 | 4130.66 | |

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: 03/05/2022
 Number of Measurements: 33





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

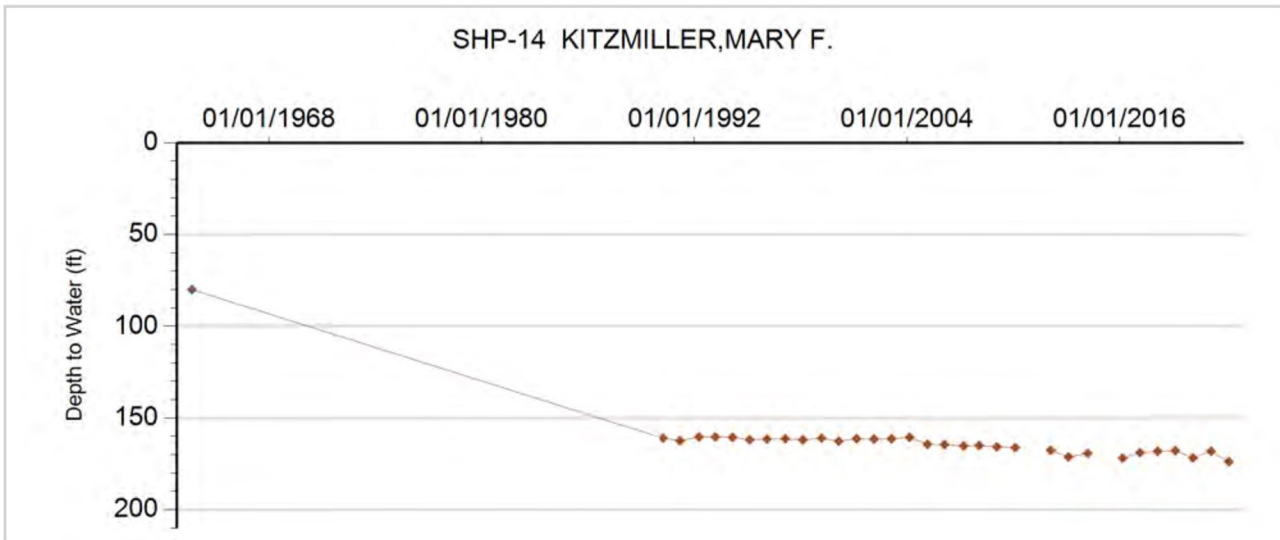
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 173.77 | 4211.23 | -5.68 |
| 03/06/2021 | 168.09 | 4216.91 | 3.63 |
| 02/27/2020 | 171.72 | 4213.28 | -3.94 |
| 02/28/2019 | 167.78 | 4217.22 | 0.37 |
| 02/28/2018 | 168.15 | 4216.85 | 0.72 |
| 03/01/2017 | 168.87 | 4216.13 | 3.02 |
| 03/09/2016 | 171.89 | 4213.11 | |
| 02/19/2015 | | | |
| 03/18/2014 | 169.29 | 4215.71 | 1.91 |
| 02/17/2013 | 171.20 | 4213.80 | -3.60 |

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: 03/05/2022
 Number of Measurements: 34





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

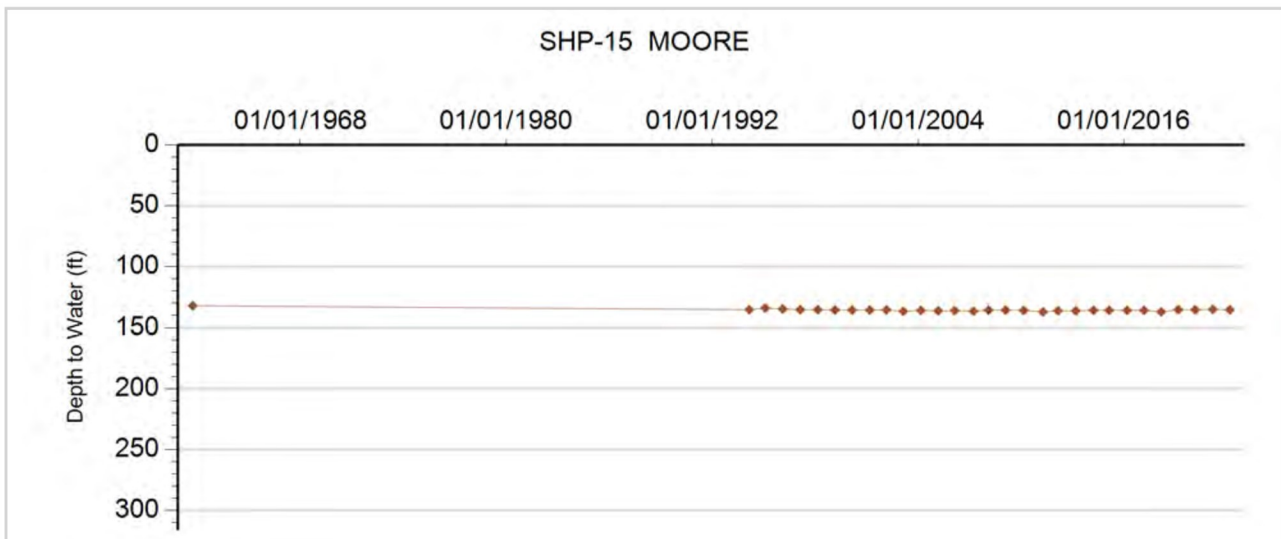
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/03/2022 | 135.33 | 4474.67 | -0.33 |
| 03/06/2021 | 135.00 | 4475.00 | 0.28 |
| 02/27/2020 | 135.28 | 4474.72 | -0.08 |
| 02/28/2019 | 135.20 | 4474.80 | 1.77 |
| 02/28/2018 | 136.97 | 4473.03 | -1.22 |
| 03/01/2017 | 135.75 | 4474.25 | -0.02 |
| 03/09/2016 | 135.73 | 4474.27 | -0.03 |
| 02/19/2015 | 135.70 | 4474.30 | 0.04 |
| 03/25/2014 | 135.74 | 4474.26 | 0.46 |
| 03/08/2013 | 136.20 | 4473.80 | -0.10 |

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: 03/03/2022
 Number of Measurements: 30





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

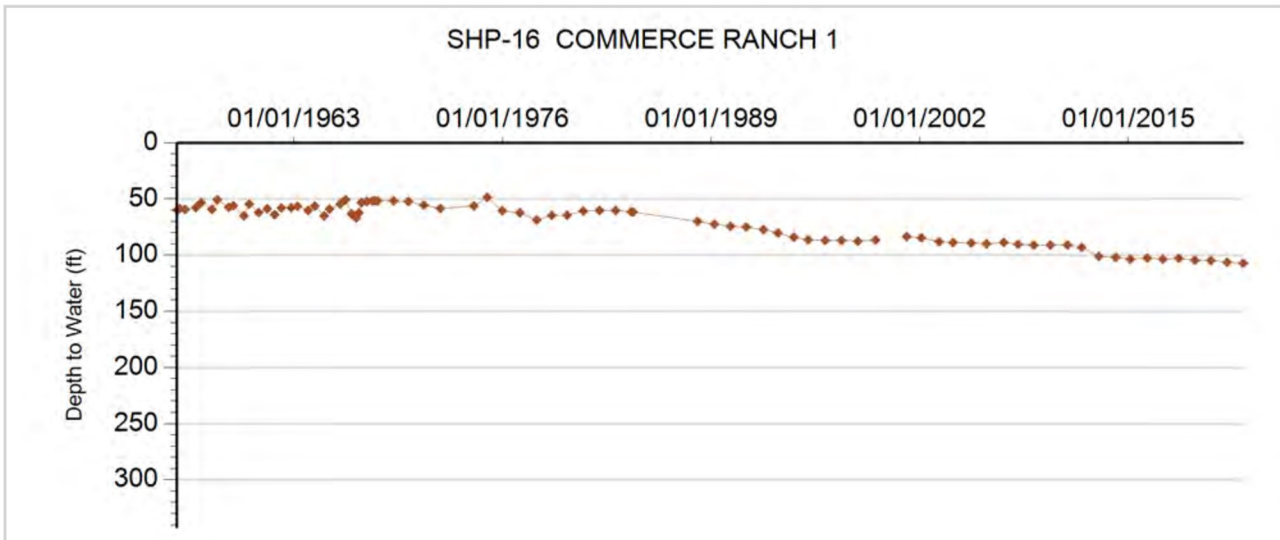
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 107.29 | 3807.29 | -0.99 |
| 03/06/2021 | 106.30 | 3808.28 | -1.54 |
| 02/26/2020 | 104.76 | 3809.82 | -0.25 |
| 02/27/2019 | 104.51 | 3810.07 | -1.62 |
| 03/01/2018 | 102.89 | 3811.69 | 0.72 |
| 03/02/2017 | 103.61 | 3810.97 | -1.06 |
| 03/10/2016 | 102.55 | 3812.03 | 1.10 |
| 02/20/2015 | 103.65 | 3810.93 | -1.64 |
| 03/20/2014 | 102.01 | 3812.57 | -0.91 |
| 03/02/2013 | 101.10 | 3813.48 | -8.00 |

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: 03/05/2022
 Number of Measurements: 83





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

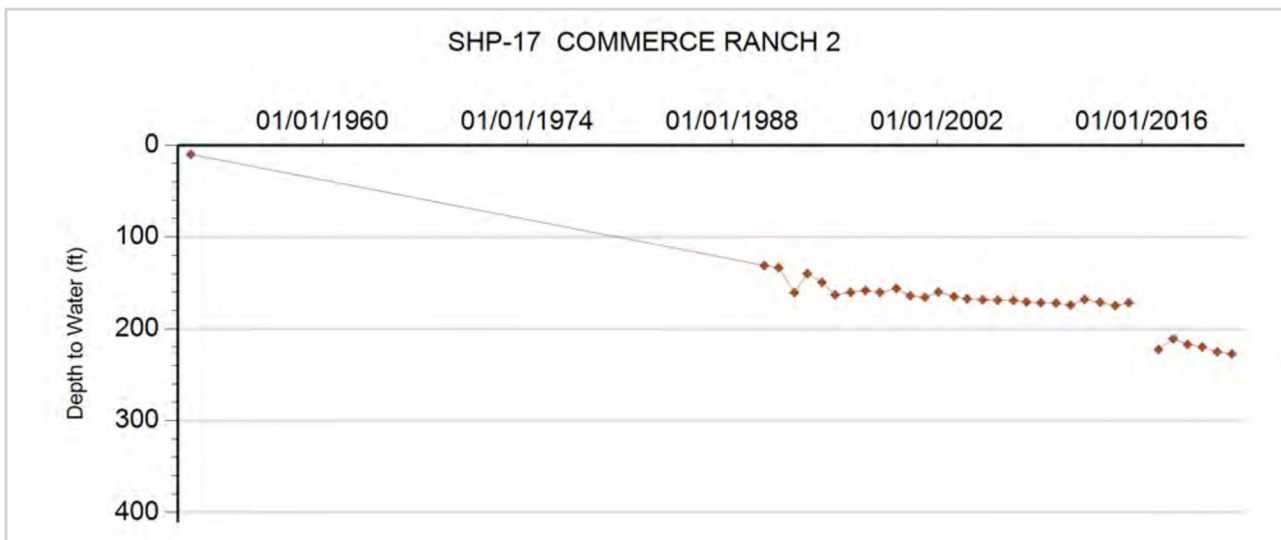
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 227.34 | 3711.66 | -2.29 |
| 03/06/2021 | 225.05 | 3713.95 | -5.22 |
| 02/26/2020 | 219.83 | 3719.17 | -2.82 |
| 02/27/2019 | 217.01 | 3721.99 | -6.11 |
| 03/01/2018 | 210.90 | 3728.10 | 11.67 |
| 03/02/2017 | 222.57 | 3716.43 | |
| 03/10/2016 | | | |
| 02/20/2015 | 171.66 | 3767.34 | 3.03 |
| 03/20/2014 | 174.69 | 3764.31 | -3.59 |
| 03/02/2013 | 171.10 | 3767.90 | -3.10 |

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: 03/05/2022
 Number of Measurements: 34





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

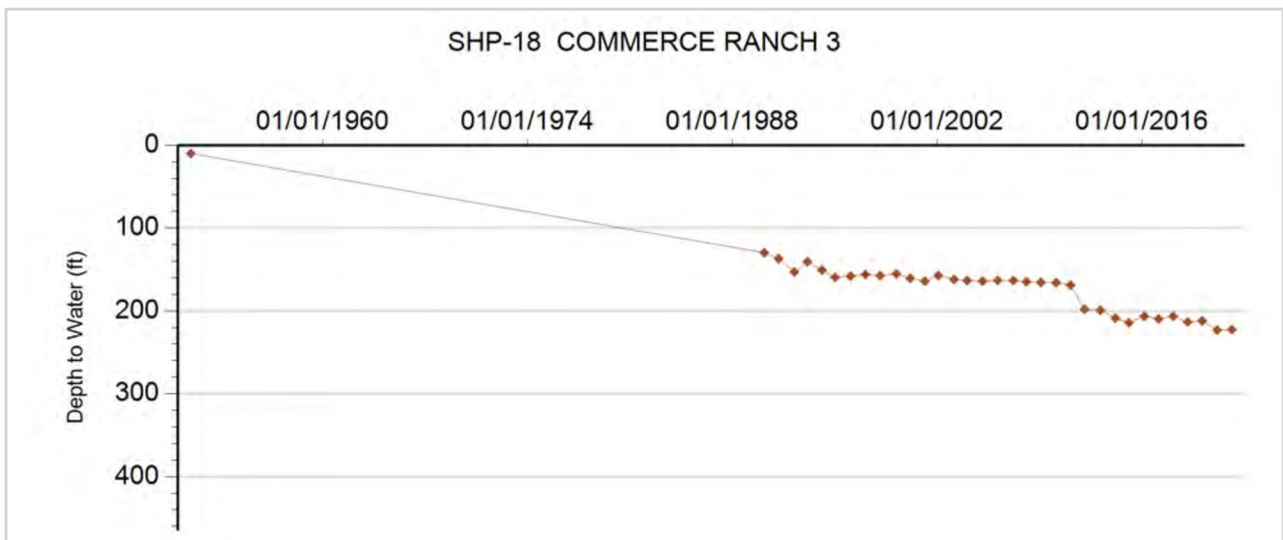
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 222.53 | 3713.47 | 0.53 |
| 03/06/2021 | 223.06 | 3712.94 | -11.13 |
| 02/26/2020 | 211.93 | 3724.07 | 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 |
| 03/20/2014 | 208.66 | 3727.34 | -9.56 |
| 03/08/2013 | 199.10 | 3736.90 | -1.10 |

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: 03/05/2022
 Number of Measurements: 34





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

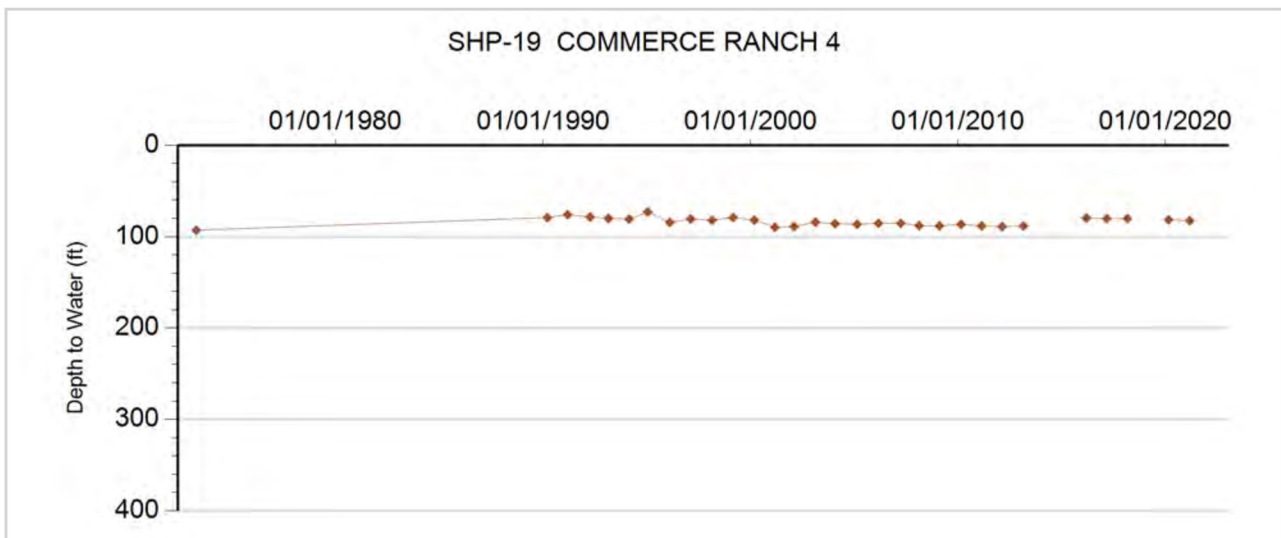
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | | | |
| 03/06/2021 | 82.62 | 3832.38 | -1.05 |
| 02/26/2020 | 81.57 | 3833.43 | |
| 02/27/2019 | | | |
| 03/01/2018 | 80.27 | 3834.73 | 0.03 |
| 03/02/2017 | 80.30 | 3834.70 | -0.59 |
| 03/10/2016 | 79.71 | 3835.29 | |
| 02/20/2015 | | | |
| 03/20/2014 | | | |
| 03/02/2013 | 88.40 | 3826.60 | 0.70 |

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: 03/05/2022
 Number of Measurements: 34





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

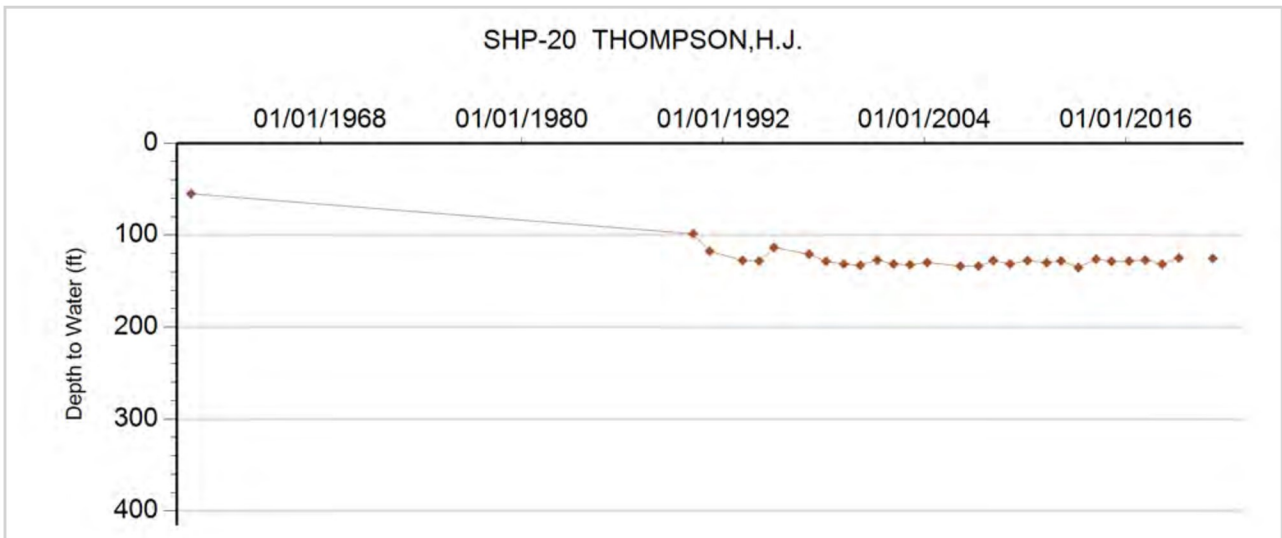
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | | | |
| 03/05/2021 | 125.29 | 3838.71 | |
| 02/26/2020 | | | |
| 02/27/2019 | 124.91 | 3839.09 | 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 |
| 03/20/2014 | 126.15 | 3837.85 | 9.05 |
| 03/02/2013 | 135.20 | 3828.80 | -7.10 |

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

Well Measurement Summary

Start Date: 04/20/1960 End Date: 03/05/2022
 Number of Measurements: 31





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

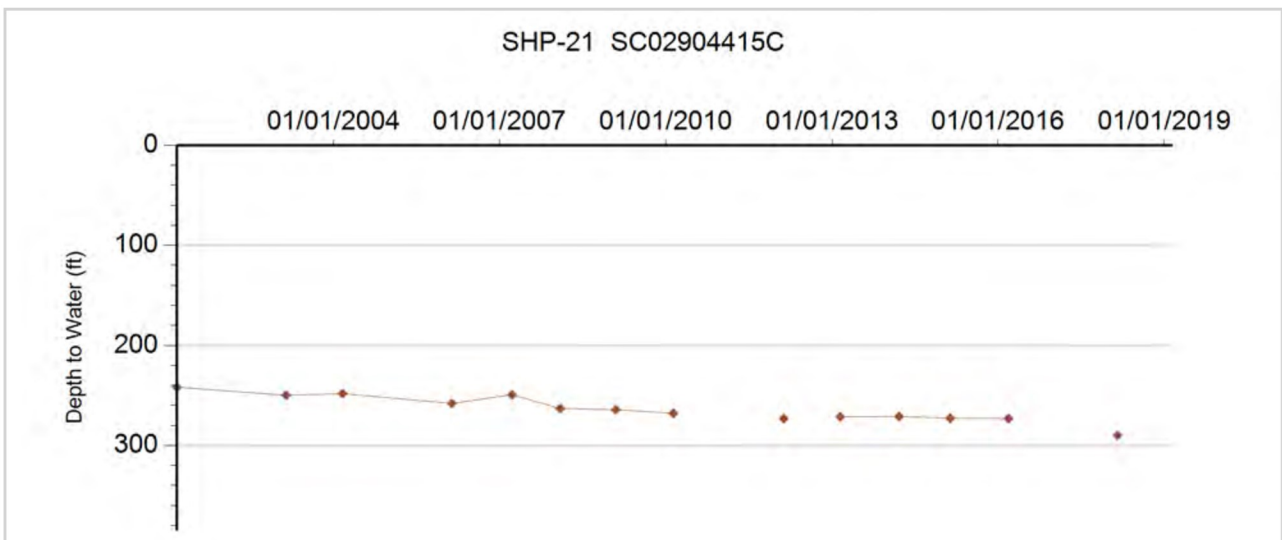
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 02/28/2019 | | | |
| 02/28/2018 | 289.87 | 3755.13 | |
| 03/01/2017 | | | |
| 03/10/2016 | 273.08 | 3771.92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

Construction Information

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

Well Measurement Summary

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





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

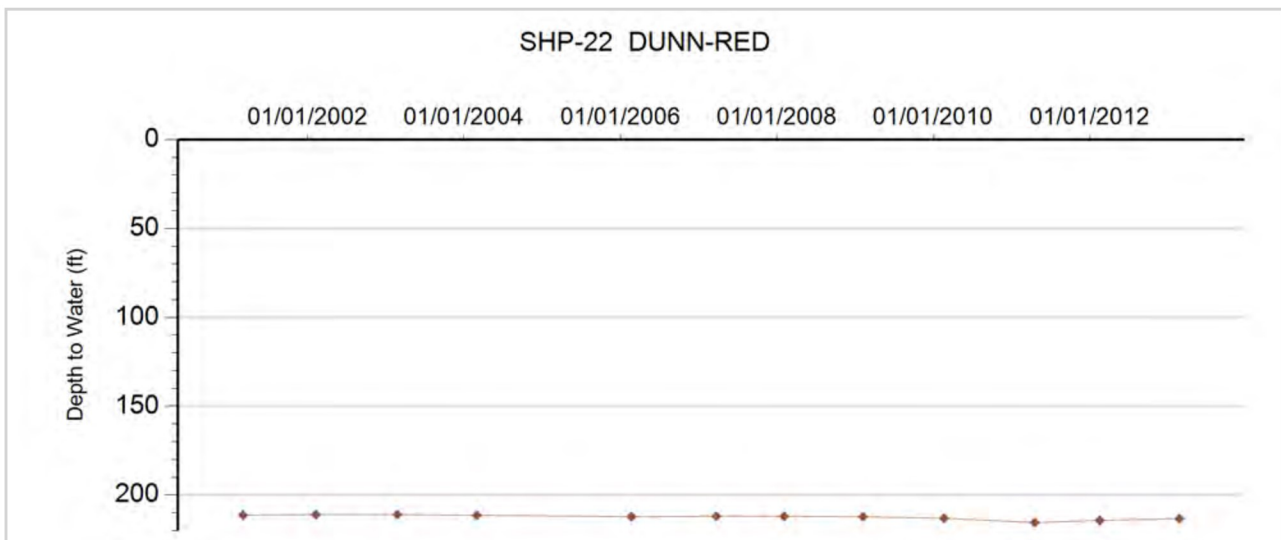
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 02/24/2013 | 213.30 | 3879.70 | 1.00 |
| 02/18/2012 | 214.30 | 3878.70 | 1.20 |
| 04/19/2011 | 215.50 | 3877.50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

Construction Information

Surface Elevation (ft): 4093
 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): DAKOTA SANDSTONE, ALL UNNAMED AQUIFERS

Well Measurement Summary

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





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 80.30 | 4301.72 | -0.31 |
| 03/06/2021 | 79.99 | 4302.03 | 0.23 |
| 02/27/2020 | 80.22 | 4301.80 | -0.10 |
| 02/28/2019 | 80.12 | 4301.90 | 0.12 |
| 02/28/2018 | 80.24 | 4301.78 | 0.45 |
| 03/01/2017 | 80.69 | 4301.33 | -0.19 |
| 03/09/2016 | 80.50 | 4301.52 | -0.12 |
| 02/19/2015 | 80.38 | 4301.64 | -0.11 |
| 03/20/2014 | 80.27 | 4301.75 | -0.07 |
| 03/08/2013 | 80.20 | 4301.82 | 0.70 |

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: 03/05/2022
 Number of Measurements: 55





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

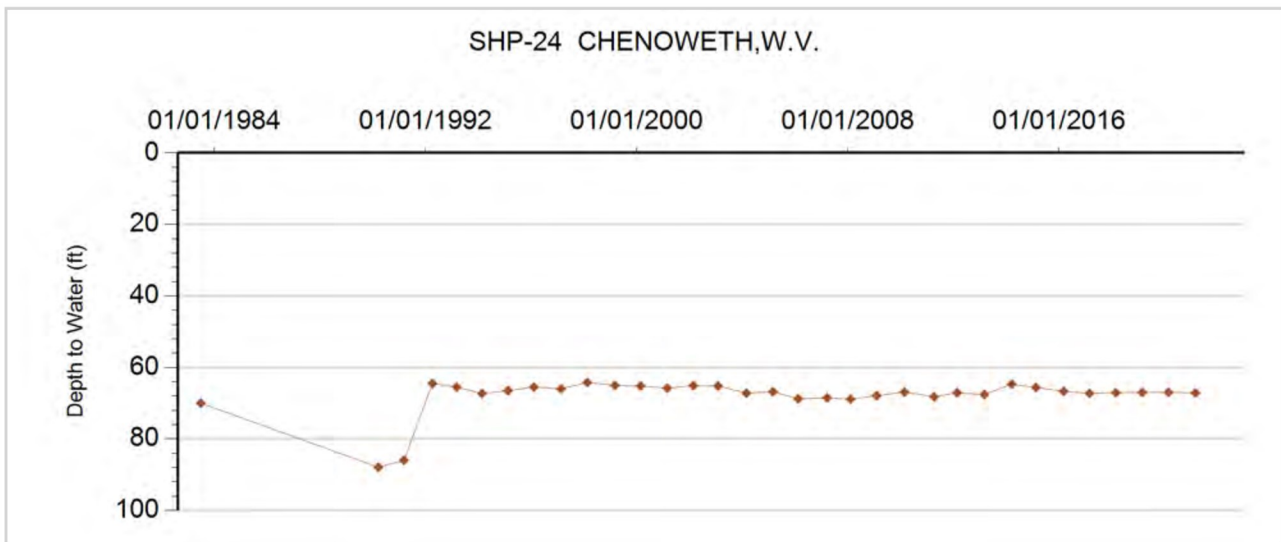
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | | | |
| 03/06/2021 | 67.13 | 4312.87 | -0.15 |
| 02/27/2020 | 66.98 | 4313.02 | 0.04 |
| 02/28/2019 | 67.02 | 4312.98 | 0.04 |
| 02/28/2018 | 67.06 | 4312.94 | 0.22 |
| 03/01/2017 | 67.28 | 4312.72 | -0.60 |
| 03/09/2016 | 66.68 | 4313.32 | -1.07 |
| 02/19/2015 | 65.61 | 4314.39 | -0.91 |
| 03/20/2014 | 64.70 | 4315.30 | 2.90 |
| 03/08/2013 | 67.60 | 4312.40 | -0.50 |

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: 03/05/2022
 Number of Measurements: 34





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

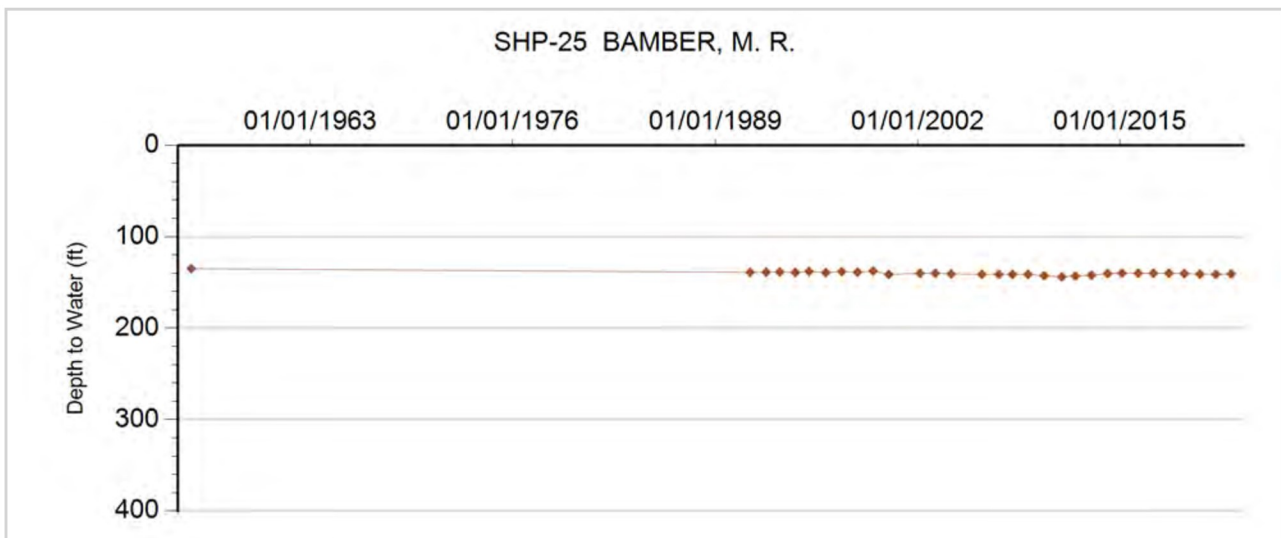
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/03/2022 | 140.74 | 4534.26 | 0.35 |
| 03/06/2021 | 141.09 | 4533.91 | -0.14 |
| 02/27/2020 | 140.95 | 4534.05 | -0.53 |
| 02/28/2019 | 140.42 | 4534.58 | -0.38 |
| 02/28/2018 | 140.04 | 4534.96 | -0.01 |
| 03/01/2017 | 140.03 | 4534.97 | 0.01 |
| 03/09/2016 | 140.04 | 4534.96 | -0.18 |
| 02/19/2015 | 139.86 | 4535.14 | 0.50 |
| 03/25/2014 | 140.36 | 4534.64 | 1.84 |
| 03/08/2013 | 142.20 | 4532.80 | 0.90 |

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: 03/03/2022
 Number of Measurements: 31





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

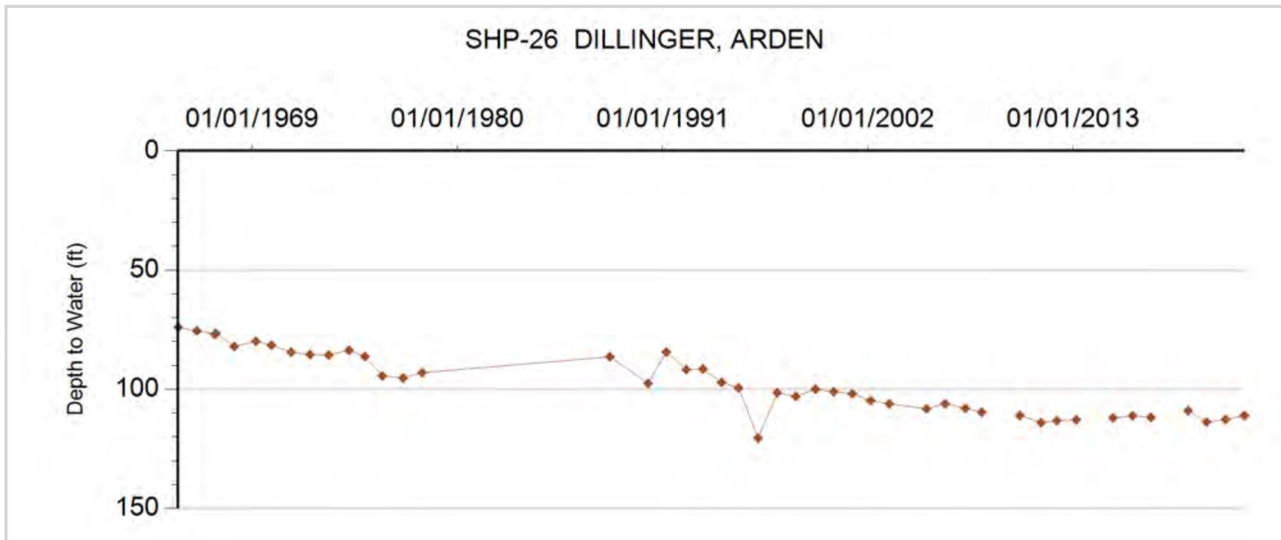
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 111.04 | 3574.44 | 1.65 |
| 03/05/2021 | 112.69 | 3572.79 | 1.07 |
| 02/25/2020 | 113.76 | 3571.72 | -4.77 |
| 02/27/2019 | 108.99 | 3576.49 | |
| 03/01/2018 | | | |
| 03/01/2017 | 111.82 | 3573.66 | -0.67 |
| 03/08/2016 | 111.15 | 3574.33 | 0.91 |
| 02/19/2015 | 112.06 | 3573.42 | |
| 03/20/2014 | | | |
| 03/02/2013 | 112.80 | 3572.68 | 0.40 |

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: 03/05/2022
 Number of Measurements: 49





GROUNDWATER DETAILS

Well Name: SHP-27 SPIRITUAL SC. CHURCH

Permit Number: 3351-F

WDID:

Data Source: DWR

Location Number: SC03004217DD

USGS Site ID:

Applicant/Contact: SPIRITUAL SC. CHURCH

Physical Location

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

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

Ten Most Recent Readings

| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 203.04 | 3626.96 | -1.38 |
| 03/05/2021 | 201.66 | 3628.34 | -1.89 |
| 02/25/2020 | 199.77 | 3630.23 | -0.45 |
| 02/27/2019 | 199.32 | 3630.68 | -1.75 |
| 03/01/2018 | 197.57 | 3632.43 | -0.08 |
| 03/01/2017 | 197.49 | 3632.51 | -0.92 |
| 03/08/2016 | 196.57 | 3633.43 | -0.32 |
| 02/19/2015 | 196.25 | 3633.75 | -10.73 |
| 03/20/2014 | 185.52 | 3644.48 | -1.02 |
| 03/02/2013 | 184.50 | 3645.50 | 0.20 |

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: 03/05/2022
 Number of Measurements: 36





GROUNDWATER DETAILS

Well Name: SHP-28 HUME, ROD

Permit Number: 19206-FP

WDID:

Data Source: DWR

Location Number: SC03004234BC

USGS Site ID:

Applicant/Contact: HUME, ROD

Physical Location

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

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

Ten Most Recent Readings

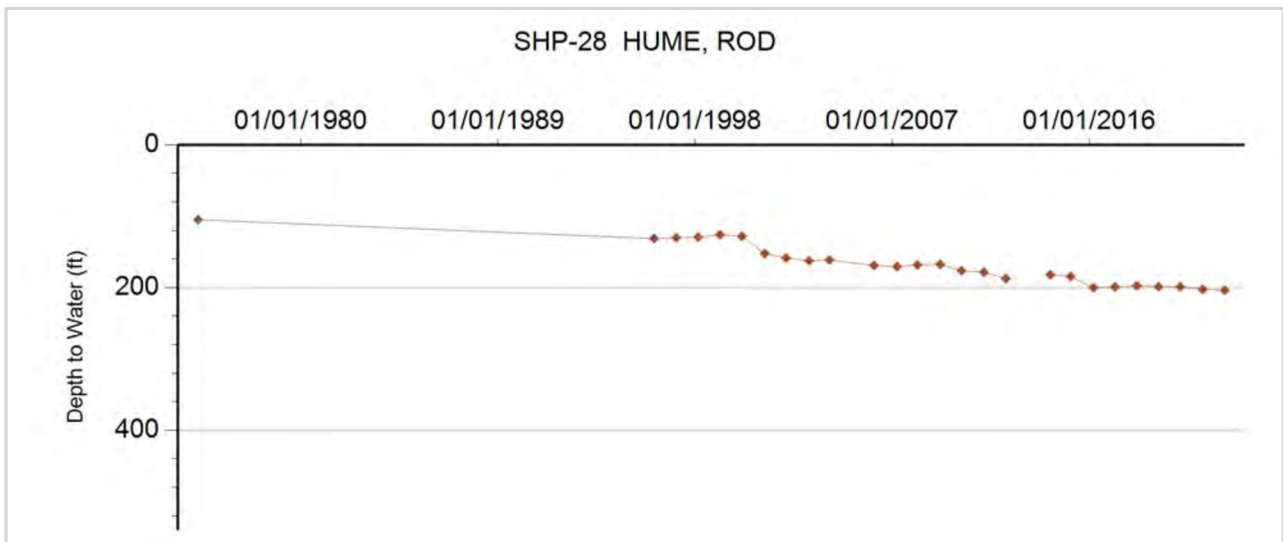
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 203.89 | 3576.11 | -1.19 |
| 03/05/2021 | 202.70 | 3577.30 | -3.71 |
| 02/25/2020 | 198.99 | 3581.01 | -0.14 |
| 02/27/2019 | 198.85 | 3581.15 | -1.22 |
| 03/01/2018 | 197.63 | 3582.37 | 1.63 |
| 03/01/2017 | 199.26 | 3580.74 | 0.99 |
| 03/08/2016 | 200.25 | 3579.75 | -15.75 |
| 02/19/2015 | 184.50 | 3595.50 | -2.48 |
| 03/20/2014 | 182.02 | 3597.98 | |
| 03/01/2013 | | | |

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: 03/05/2022
 Number of Measurements: 27





GROUNDWATER DETAILS

Well Name: SHP-29 MUNDELL,J.

Permit Number: 22678-

WDID:

Data Source: DWR

Location Number: SC03004302BCB

USGS Site ID:

Applicant/Contact: MUNDELL,J.

Physical Location

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

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

Ten Most Recent Readings

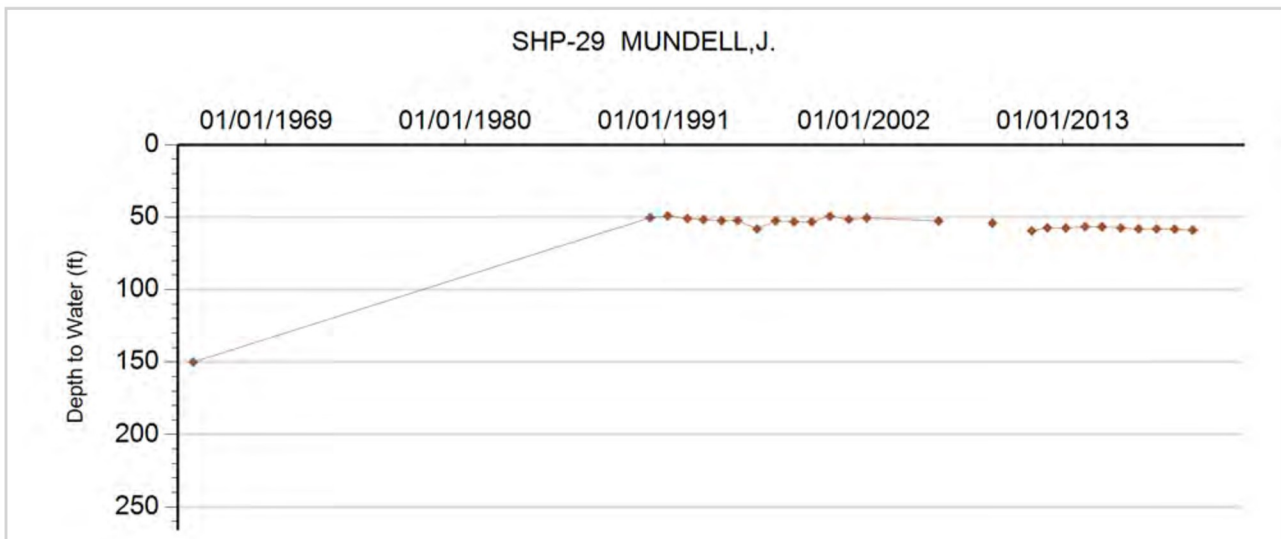
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | | | |
| 03/05/2021 | | | |
| 02/26/2020 | 58.92 | 3805.08 | -0.65 |
| 02/27/2019 | 58.27 | 3805.73 | -0.19 |
| 03/01/2018 | 58.08 | 3805.92 | 0.00 |
| 03/02/2017 | 58.08 | 3805.92 | -0.65 |
| 03/10/2016 | 57.43 | 3806.57 | -0.76 |
| 02/19/2015 | 56.67 | 3807.33 | -0.08 |
| 03/20/2014 | 56.59 | 3807.41 | 0.91 |
| 02/26/2013 | 57.50 | 3806.50 | -0.20 |

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: 03/05/2022
 Number of Measurements: 31





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

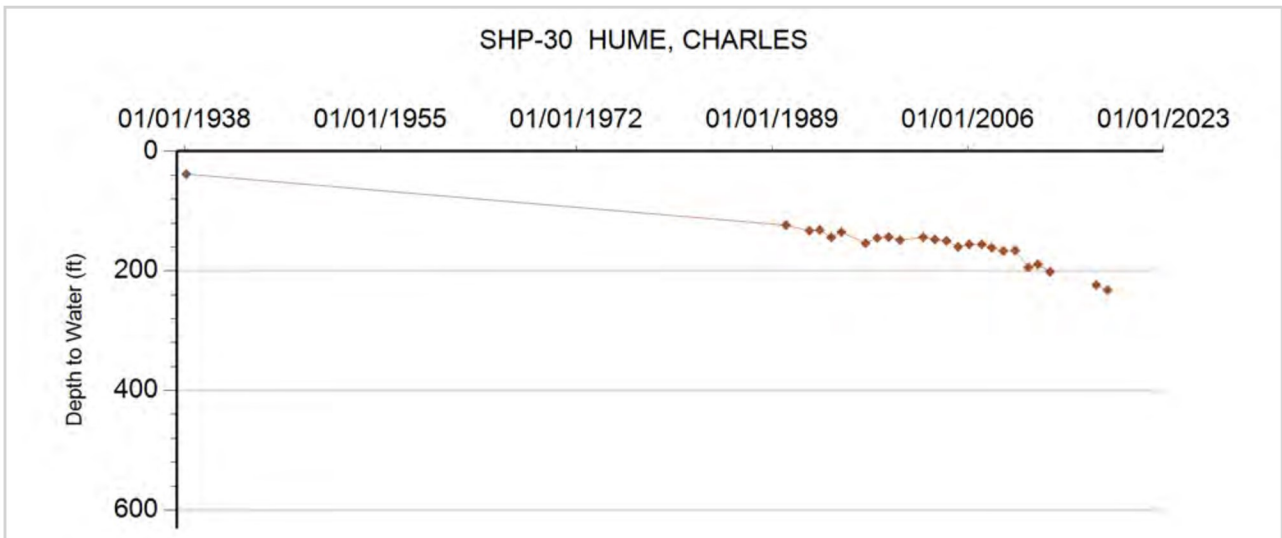
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | | | |
| 03/05/2021 | | | |
| 02/26/2020 | | | |
| 02/27/2019 | | | |
| 03/01/2018 | 232.23 | 3690.77 | -8.63 |
| 03/02/2017 | 223.60 | 3699.40 | |
| 03/10/2016 | | | |
| 02/19/2015 | | | |
| 03/20/2014 | | | |
| 02/25/2013 | 201.50 | 3721.50 | -12.50 |

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: 03/05/2022
 Number of Measurements: 31





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

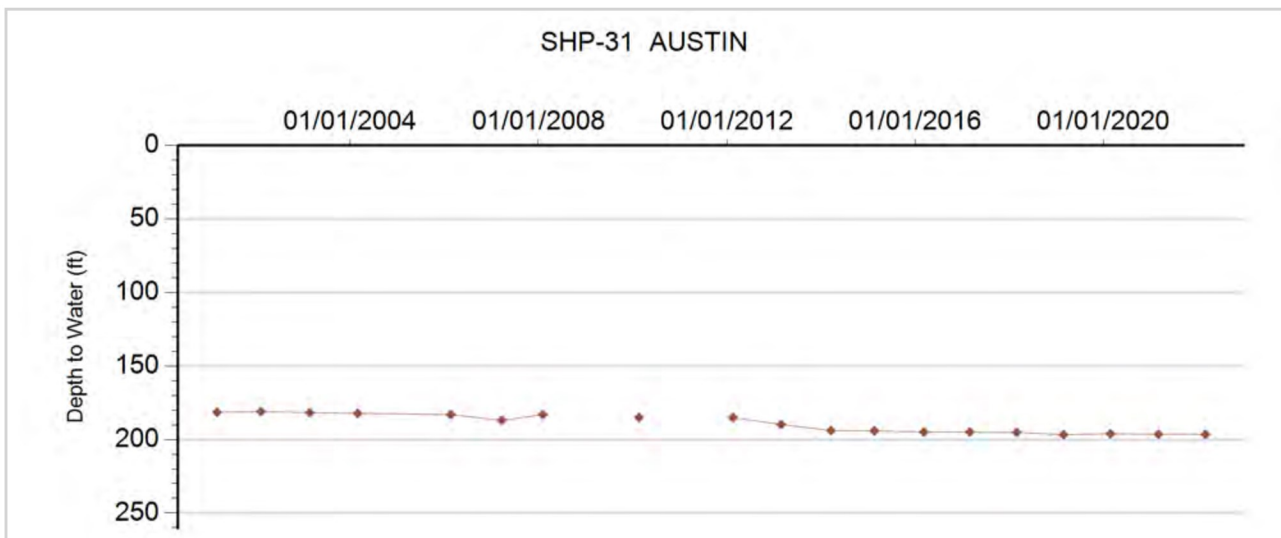
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 196.54 | 3853.46 | -0.07 |
| 03/05/2021 | 196.47 | 3853.53 | -0.35 |
| 02/26/2020 | 196.12 | 3853.88 | 0.62 |
| 02/27/2019 | 196.74 | 3853.26 | -1.52 |
| 02/28/2018 | 195.22 | 3854.78 | -0.31 |
| 03/01/2017 | 194.91 | 3855.09 | 0.04 |
| 03/10/2016 | 194.95 | 3855.05 | -0.82 |
| 02/19/2015 | 194.13 | 3855.87 | -0.22 |
| 03/21/2014 | 193.91 | 3856.09 | -4.11 |
| 02/26/2013 | 189.80 | 3860.20 | -4.70 |

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: 03/05/2022
 Number of Measurements: 21





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

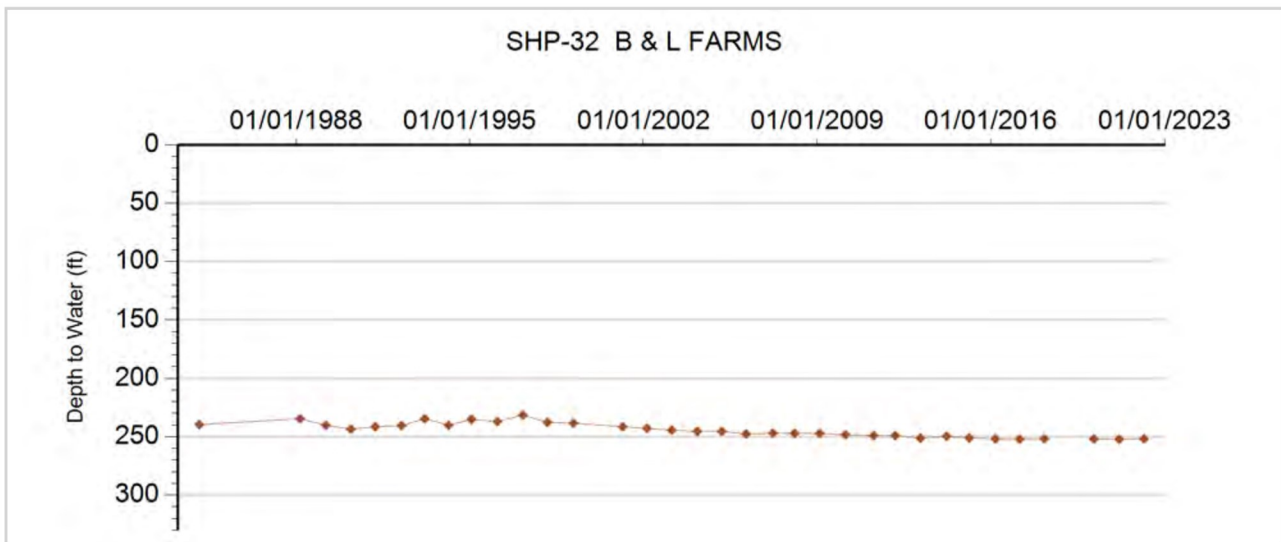
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 251.85 | 3896.15 | 0.34 |
| 03/05/2021 | 252.19 | 3895.81 | -0.27 |
| 02/26/2020 | 251.92 | 3896.08 | |
| 02/27/2019 | | | |
| 02/28/2018 | 251.67 | 3896.33 | 0.51 |
| 03/01/2017 | 252.18 | 3895.82 | -0.36 |
| 03/10/2016 | 251.82 | 3896.18 | -0.77 |
| 02/19/2015 | 251.05 | 3896.95 | -1.39 |
| 03/21/2014 | 249.66 | 3898.34 | 1.54 |
| 03/02/2013 | 251.20 | 3896.80 | -2.10 |

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: 03/05/2022
 Number of Measurements: 35





GROUNDWATER DETAILS

Well Name: SHP-33 WARD, H.

Permit Number:

Location Number: SC03004625DAB

WDID:

USGS Site ID:

Data Source: DWR

Applicant/Contact: WARD, H.

Physical Location

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

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

Ten Most Recent Readings

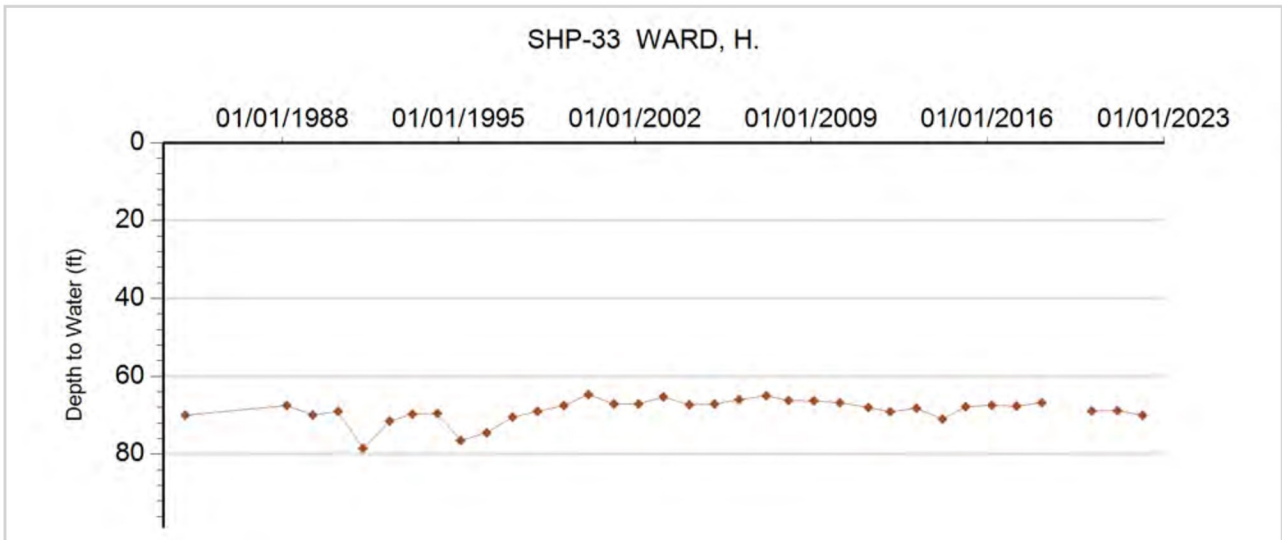
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 70.02 | 4167.98 | -1.22 |
| 03/05/2021 | 68.80 | 4169.20 | 0.12 |
| 02/26/2020 | 68.92 | 4169.08 | |
| 02/27/2019 | | | |
| 03/01/2018 | 66.80 | 4171.20 | 0.85 |
| 03/01/2017 | 67.65 | 4170.35 | -0.21 |
| 03/10/2016 | 67.44 | 4170.56 | 0.37 |
| 02/20/2015 | 67.81 | 4170.19 | 3.18 |
| 03/21/2014 | 70.99 | 4167.01 | -2.79 |
| 03/08/2013 | 68.20 | 4169.80 | 0.90 |

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: 03/05/2022
 Number of Measurements: 36





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

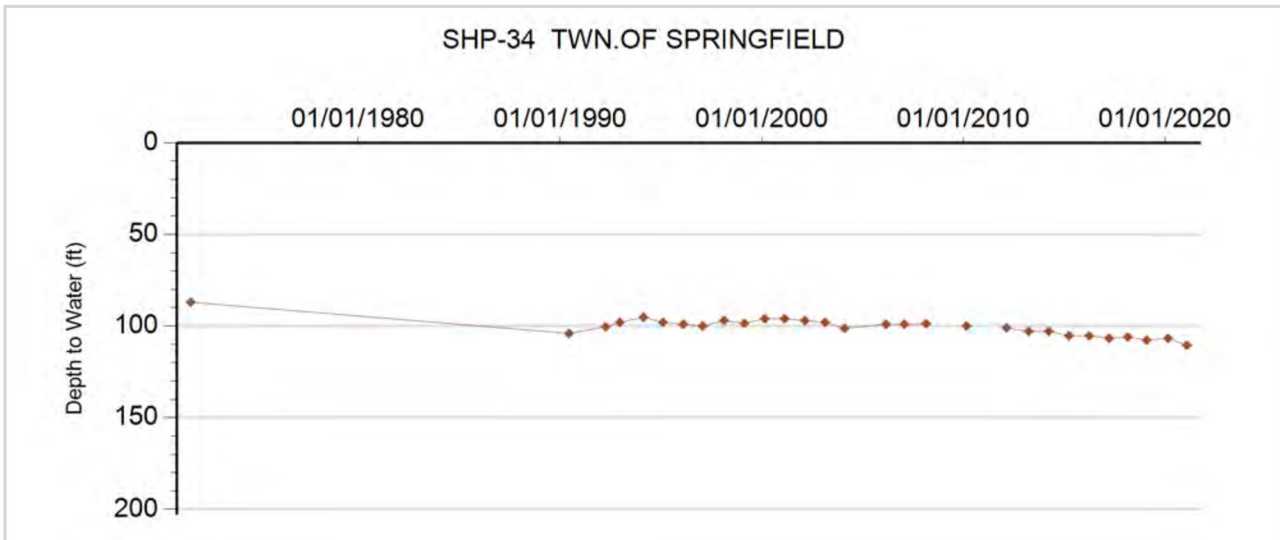
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 02/01/2021 | 110.50 | 4281.50 | -3.87 |
| 02/28/2020 | 106.63 | 4285.37 | 1.04 |
| 02/04/2019 | 107.67 | 4284.33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

Construction Information

Surface Elevation (ft): 4392
 Well Depth (ft): 203
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 90
 Depth to Bottom of Perforated Casing (ft): 203
 Source Aquifer(s): DAKOTA SANDSTONE

Well Measurement Summary

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





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

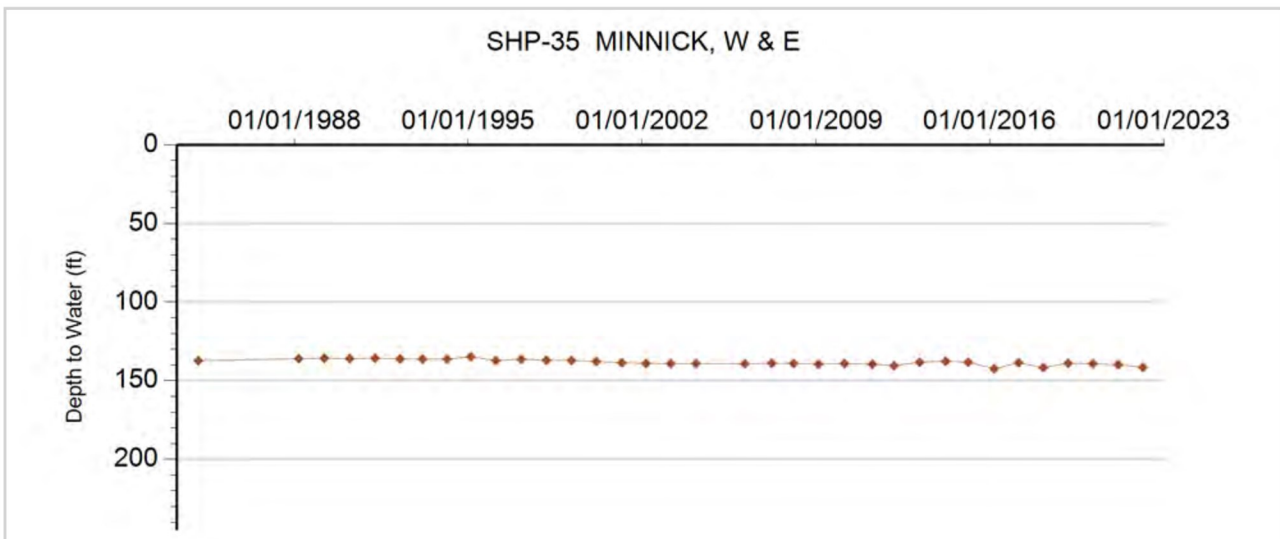
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/03/2022 | 141.48 | 4530.52 | -1.69 |
| 03/06/2021 | 139.79 | 4532.21 | -0.61 |
| 02/27/2020 | 139.18 | 4532.82 | -0.27 |
| 02/28/2019 | 138.91 | 4533.09 | 2.74 |
| 02/28/2018 | 141.65 | 4530.35 | -3.06 |
| 03/01/2017 | 138.59 | 4533.41 | 3.80 |
| 03/09/2016 | 142.39 | 4529.61 | -4.14 |
| 02/19/2015 | 138.25 | 4533.75 | -0.59 |
| 03/25/2014 | 137.66 | 4534.34 | 0.54 |
| 03/08/2013 | 138.20 | 4533.80 | 2.20 |

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: 03/03/2022
 Number of Measurements: 35





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

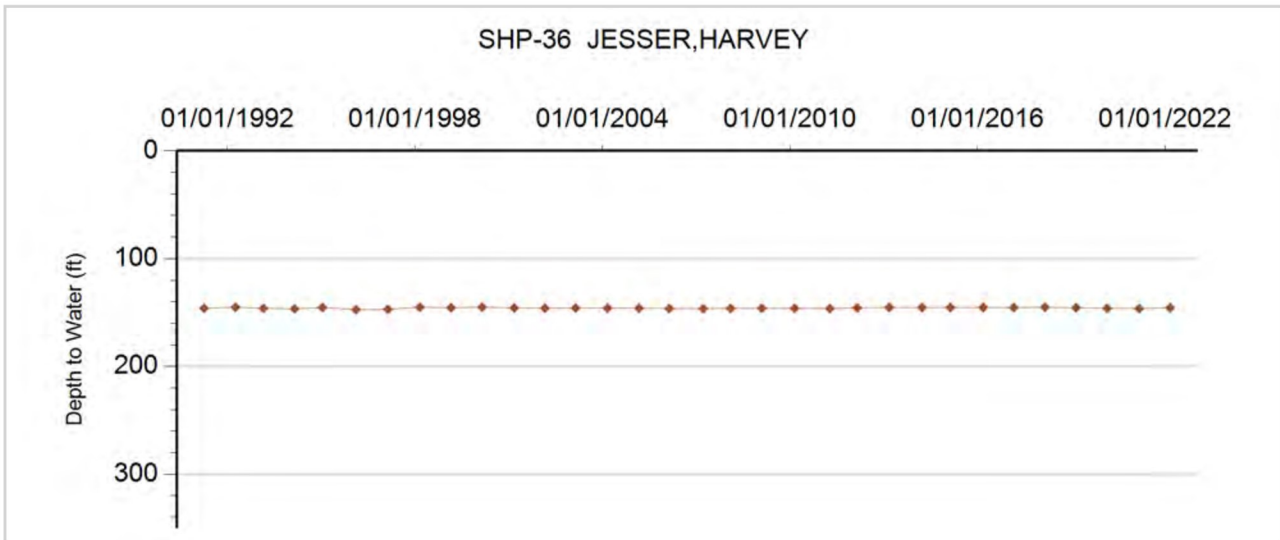
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/03/2022 | 145.55 | 4634.45 | 0.75 |
| 03/06/2021 | 146.30 | 4633.70 | -0.26 |
| 02/27/2020 | 146.04 | 4633.96 | -0.52 |
| 02/28/2019 | 145.52 | 4634.48 | -0.41 |
| 02/28/2018 | 145.11 | 4634.89 | 0.26 |
| 03/01/2017 | 145.37 | 4634.63 | -0.18 |
| 03/09/2016 | 145.19 | 4634.81 | 0.07 |
| 02/19/2015 | 145.26 | 4634.74 | 0.11 |
| 03/25/2014 | 145.37 | 4634.63 | -0.17 |
| 03/08/2013 | 145.20 | 4634.80 | 0.40 |

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: 03/03/2022
 Number of Measurements: 32





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

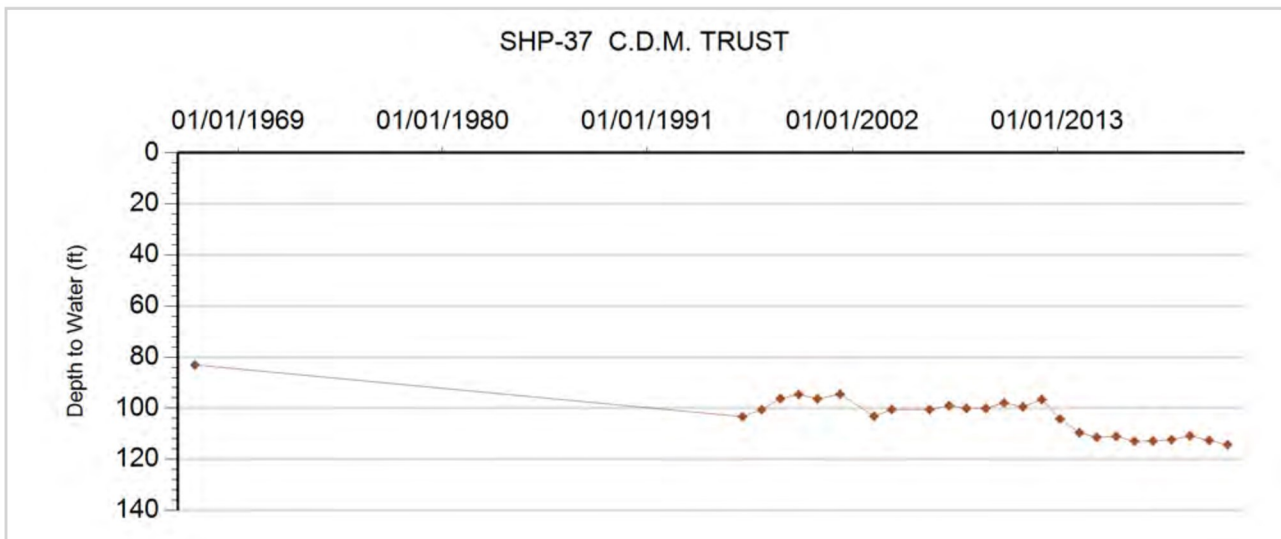
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 114.29 | 3576.19 | -1.69 |
| 03/05/2021 | 112.60 | 3577.88 | -1.80 |
| 02/25/2020 | 110.80 | 3579.68 | 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 |
| 03/19/2014 | 109.58 | 3580.90 | -5.38 |
| 03/03/2013 | 104.20 | 3586.28 | -7.60 |

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: 03/04/2022
 Number of Measurements: 26





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

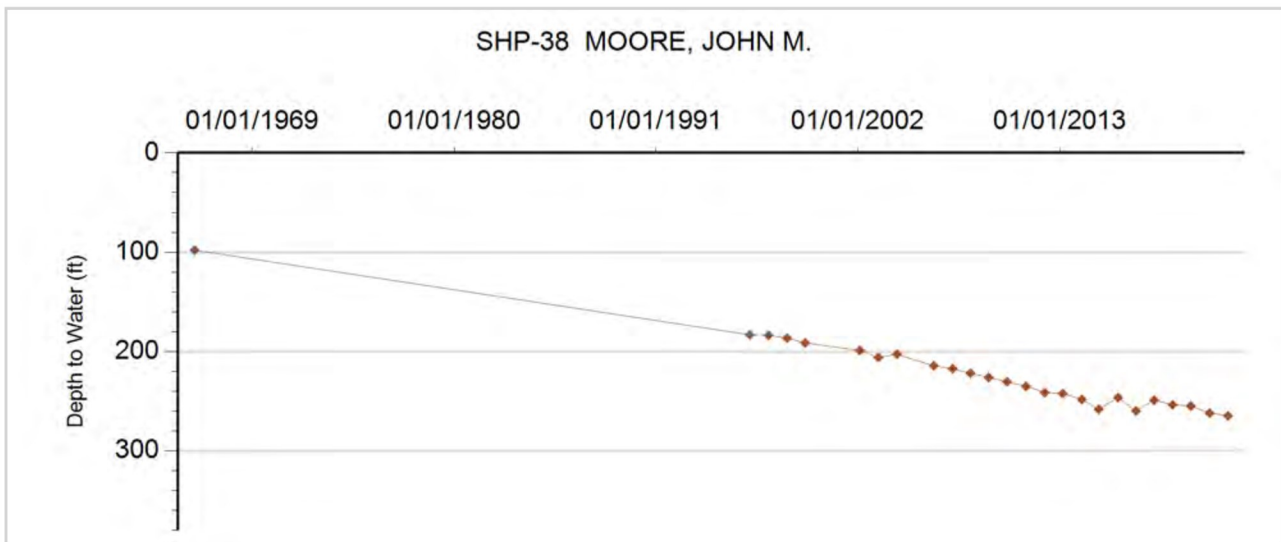
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 264.85 | 3565.15 | -2.71 |
| 03/05/2021 | 262.14 | 3567.86 | -7.12 |
| 02/26/2020 | 255.02 | 3574.98 | -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 |
| 03/02/2013 | 242.50 | 3587.50 | -1.10 |

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: 03/05/2022
 Number of Measurements: 25





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

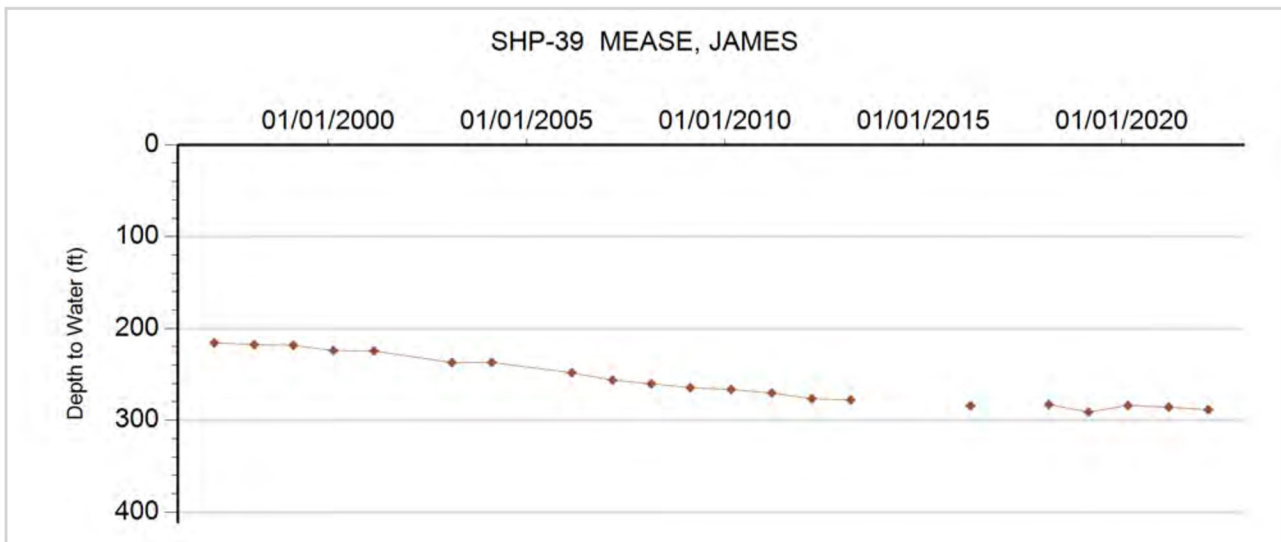
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 288.59 | 3531.41 | -2.89 |
| 03/05/2021 | 285.70 | 3534.30 | -1.87 |
| 02/26/2020 | 283.83 | 3536.17 | 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 | | | |
| 03/02/2013 | 277.80 | 3542.20 | -1.20 |

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: 03/05/2022
 Number of Measurements: 24





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

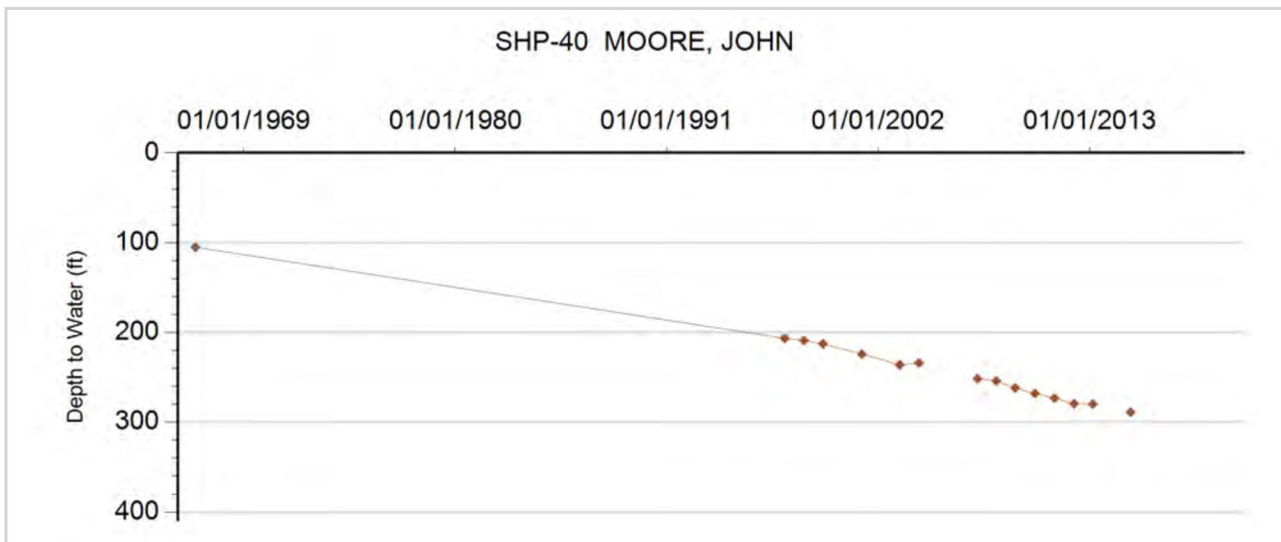
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 02/26/2020 | | | |
| 02/27/2019 | | | |
| 02/28/2018 | | | |
| 03/01/2017 | | | |
| 03/08/2016 | | | |
| 02/18/2015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

Construction Information

Surface Elevation (ft): 3805
 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





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

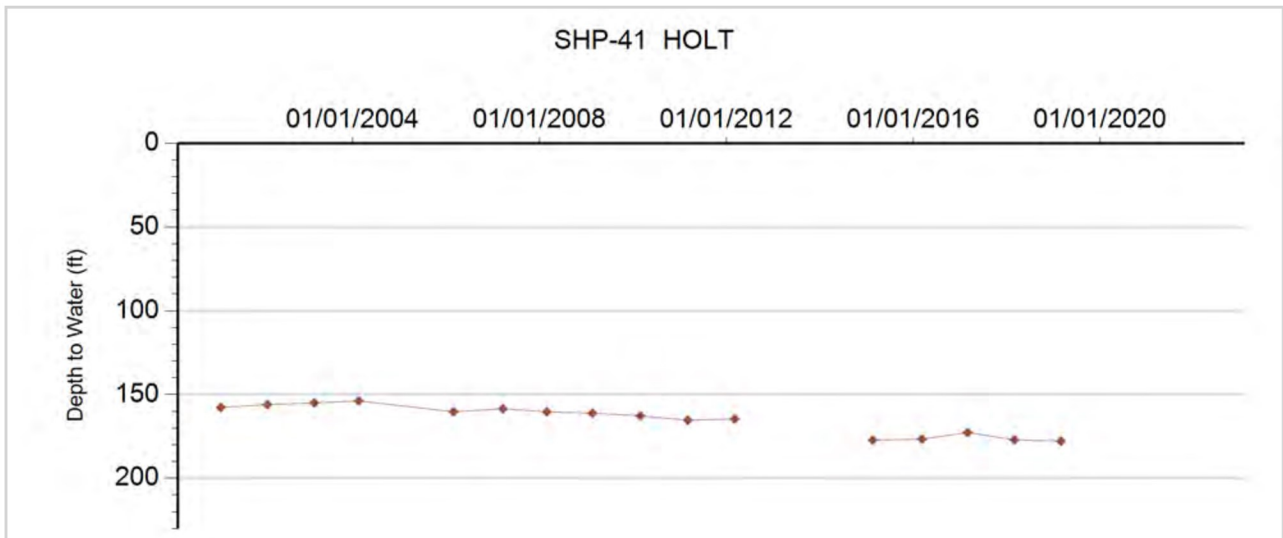
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | | | |
| 03/05/2021 | | | |
| 02/26/2020 | | | |
| 02/27/2019 | 177.86 | 3790.78 | -0.80 |
| 02/28/2018 | 177.06 | 3791.58 | -4.36 |
| 03/01/2017 | 172.70 | 3795.94 | 3.89 |
| 03/08/2016 | 176.59 | 3792.05 | 0.60 |
| 02/18/2015 | 177.19 | 3791.45 | |
| 03/19/2014 | | | |
| 03/02/2013 | | | |

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: 03/05/2022
 Number of Measurements: 21





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

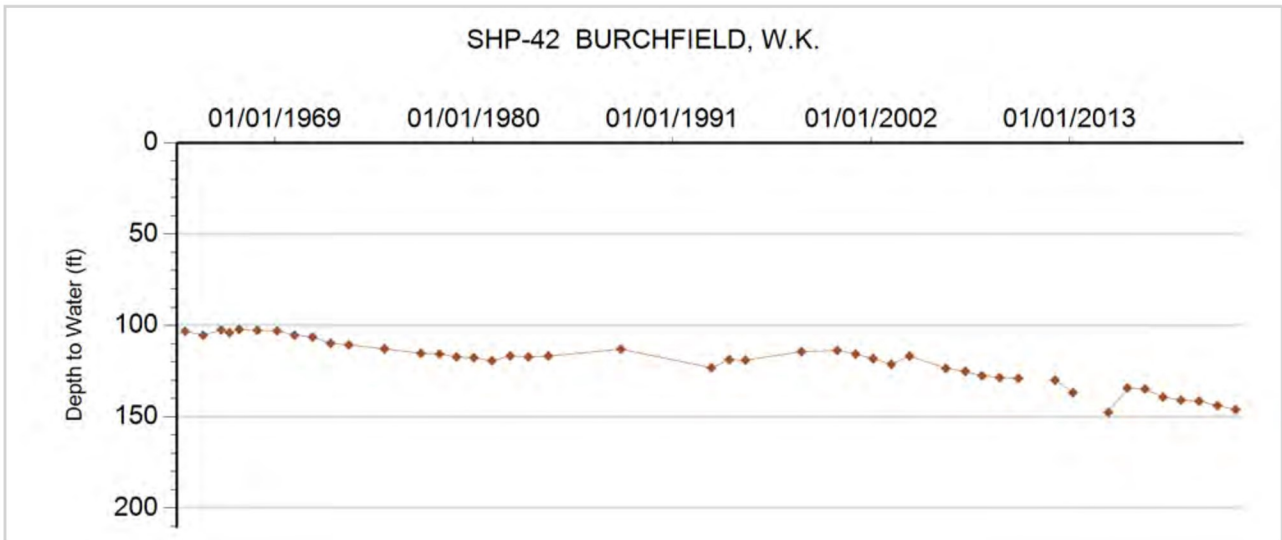
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 146.15 | 3775.41 | -2.22 |
| 03/05/2021 | 143.93 | 3777.63 | -2.47 |
| 02/26/2020 | 141.46 | 3780.10 | -0.55 |
| 02/27/2019 | 140.91 | 3780.65 | -1.64 |
| 02/28/2018 | 139.27 | 3782.29 | -4.45 |
| 03/01/2017 | 134.82 | 3786.74 | -0.57 |
| 03/08/2016 | 134.25 | 3787.31 | 13.38 |
| 02/18/2015 | 147.63 | 3773.93 | |
| 03/19/2014 | | | |
| 03/02/2013 | 136.80 | 3784.76 | -6.80 |

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: 03/05/2022
 Number of Measurements: 47





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

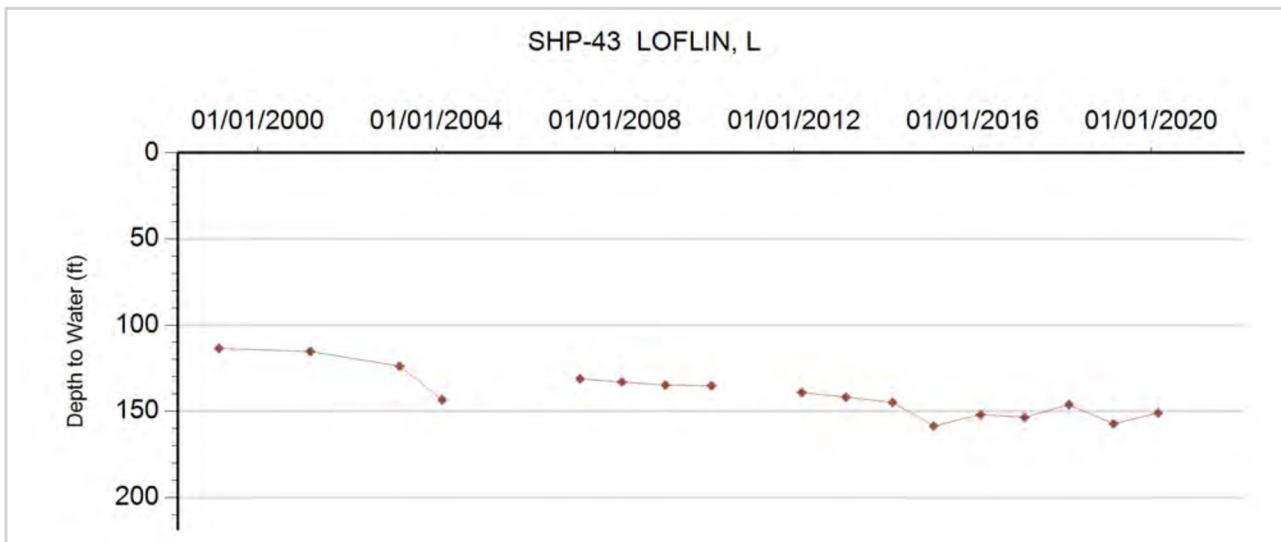
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2021 | | | |
| 02/26/2020 | 150.96 | 3881.63 | 6.26 |
| 02/27/2019 | 157.22 | 3875.37 | -11.08 |
| 02/28/2018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

Construction Information

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

Well Measurement Summary

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





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

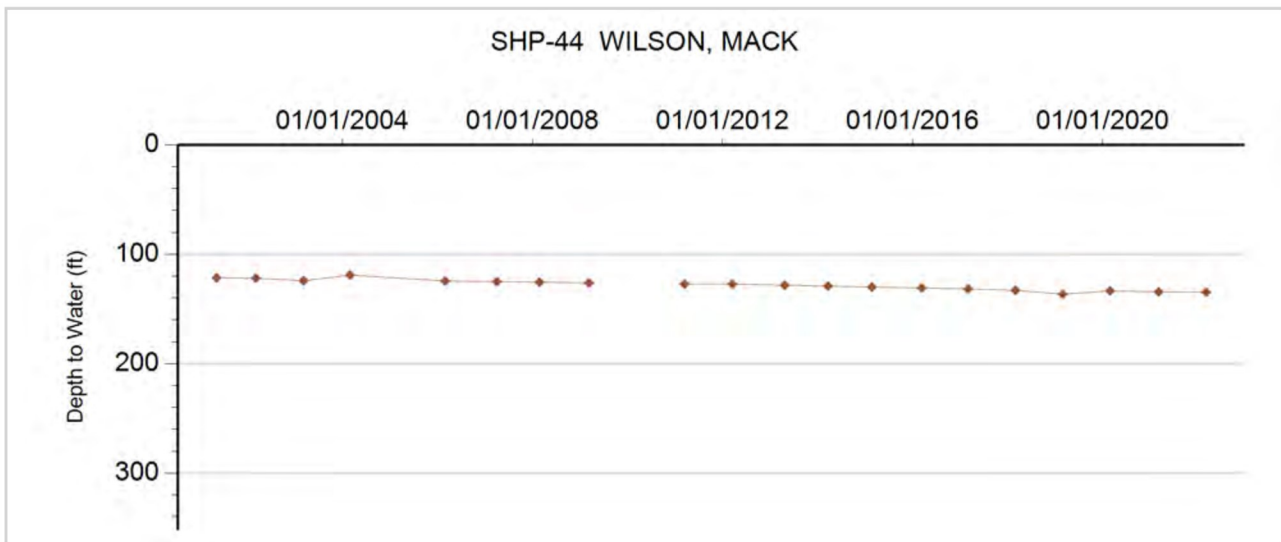
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 134.64 | 4074.41 | -0.36 |
| 03/05/2021 | 134.28 | 4074.77 | -0.78 |
| 02/26/2020 | 133.50 | 4075.55 | 2.96 |
| 02/27/2019 | 136.46 | 4072.59 | -3.54 |
| 03/01/2018 | 132.92 | 4076.13 | -1.21 |
| 03/01/2017 | 131.71 | 4077.34 | -0.92 |
| 03/10/2016 | 130.79 | 4078.26 | -0.81 |
| 02/20/2015 | 129.98 | 4079.07 | -0.91 |
| 03/20/2014 | 129.07 | 4079.98 | -0.77 |
| 04/21/2013 | 128.30 | 4080.75 | -1.10 |

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: 03/05/2022
 Number of Measurements: 21





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

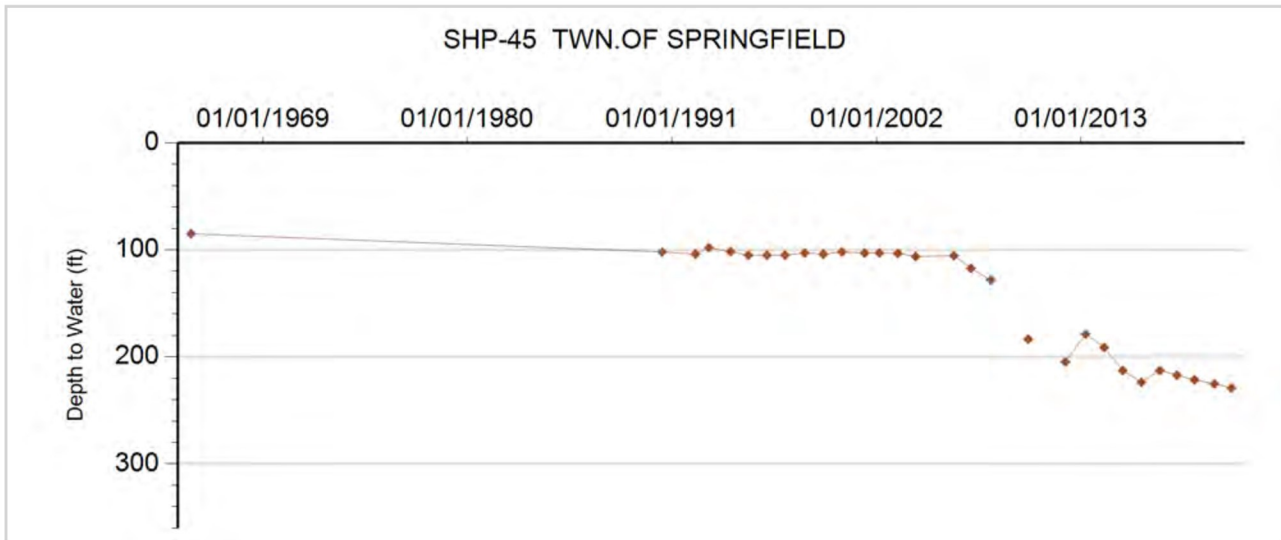
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 02/01/2021 | 229.04 | 4181.07 | -3.75 |
| 02/28/2020 | 225.29 | 4184.82 | -3.79 |
| 02/04/2019 | 221.50 | 4188.61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

Construction Information

Surface Elevation (ft): 4410
 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: 02/01/2021
 Number of Measurements: 31





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

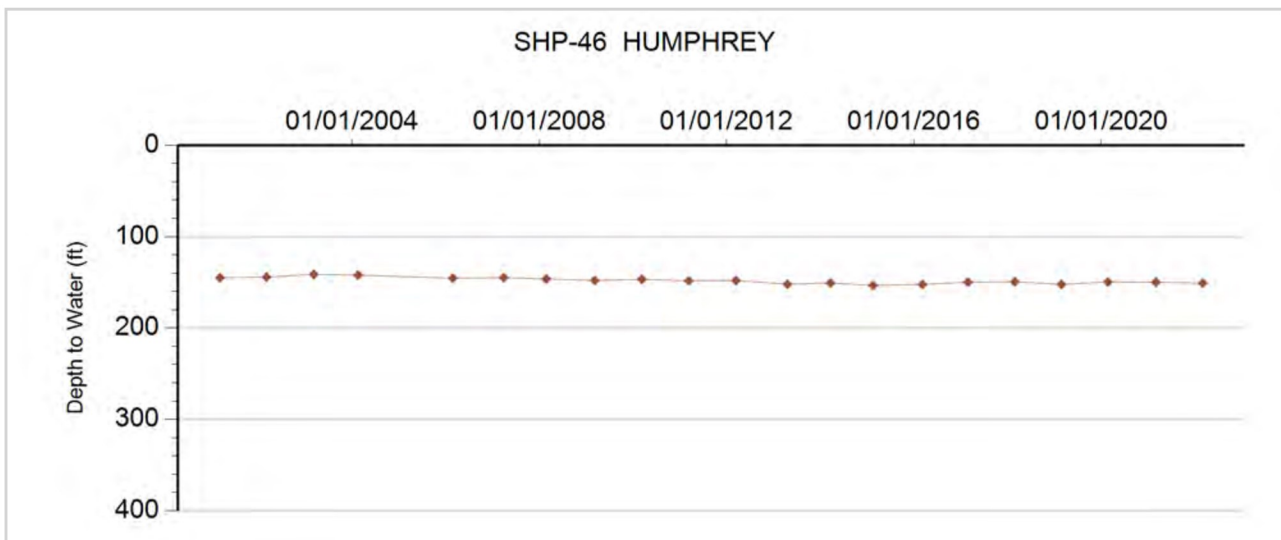
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 150.80 | 4281.20 | -0.93 |
| 03/04/2021 | 149.87 | 4282.13 | -0.28 |
| 02/24/2020 | 149.59 | 4282.41 | 2.61 |
| 02/26/2019 | 152.20 | 4279.80 | -2.78 |
| 02/27/2018 | 149.42 | 4282.58 | 0.47 |
| 02/27/2017 | 149.89 | 4282.11 | 2.35 |
| 03/08/2016 | 152.24 | 4279.76 | 1.16 |
| 02/18/2015 | 153.40 | 4278.60 | -2.64 |
| 03/21/2014 | 150.76 | 4281.24 | 1.24 |
| 04/21/2013 | 152.00 | 4280.00 | -3.90 |

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: 03/04/2022
 Number of Measurements: 21





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

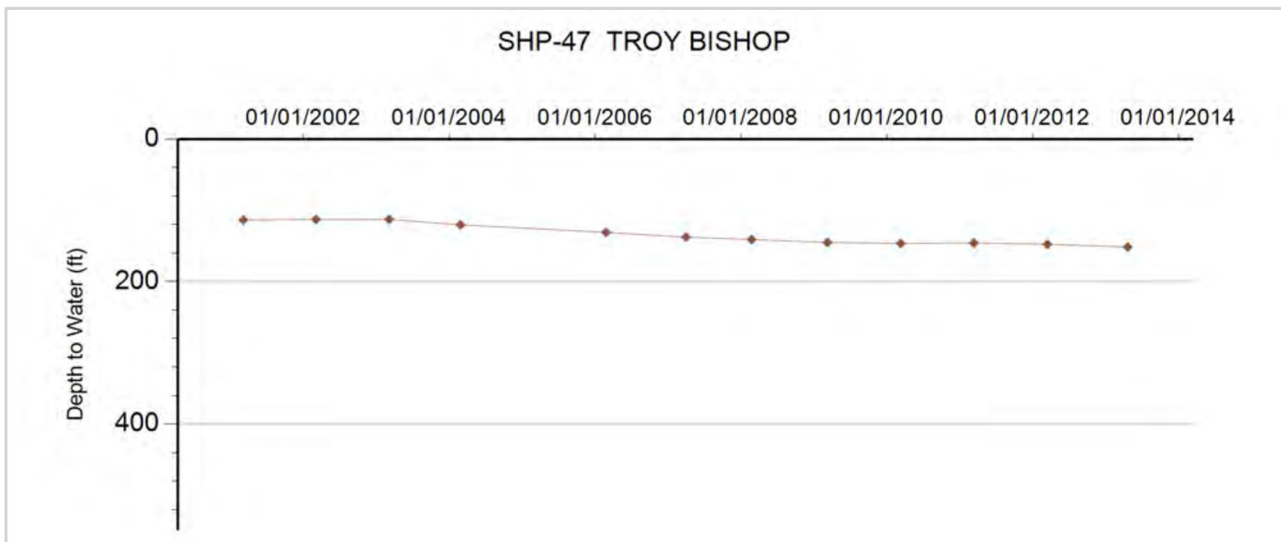
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 04/21/2013 | 151.40 | 4352.15 | -3.80 |
| 03/15/2012 | 147.60 | 4355.95 | -1.80 |
| 03/12/2011 | 145.80 | 4357.75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

Construction Information

Surface Elevation (ft): 4504
 Well Depth (ft): 549
 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: 03/07/2001 End Date: 04/21/2013
 Number of Measurements: 12





GROUNDWATER DETAILS

Well Name: SHP-48 KIRKENDALL,RBT.

Permit Number: 29877-

WDID:

Data Source: DWR

Location Number: SC03104821CAD

USGS Site ID:

Applicant/Contact: KIRKENDALL,RBT.

Physical Location

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

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

Ten Most Recent Readings

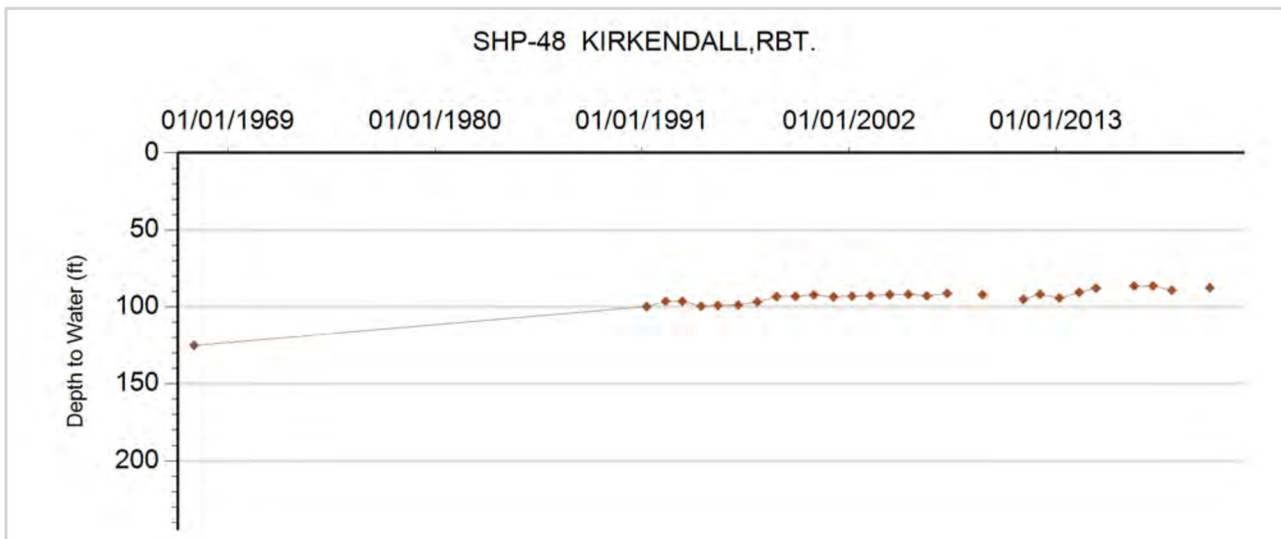
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/03/2022 | | | |
| 03/04/2021 | 87.55 | 4650.45 | |
| 02/27/2020 | | | |
| 02/28/2019 | 89.18 | 4648.82 | -2.73 |
| 02/26/2018 | 86.45 | 4651.55 | 0.05 |
| 02/27/2017 | 86.50 | 4651.50 | |
| 03/08/2016 | | | |
| 02/18/2015 | 87.83 | 4650.17 | 2.75 |
| 03/25/2014 | 90.58 | 4647.42 | 3.72 |
| 03/08/2013 | 94.30 | 4643.70 | -2.50 |

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: 03/03/2022
 Number of Measurements: 33





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

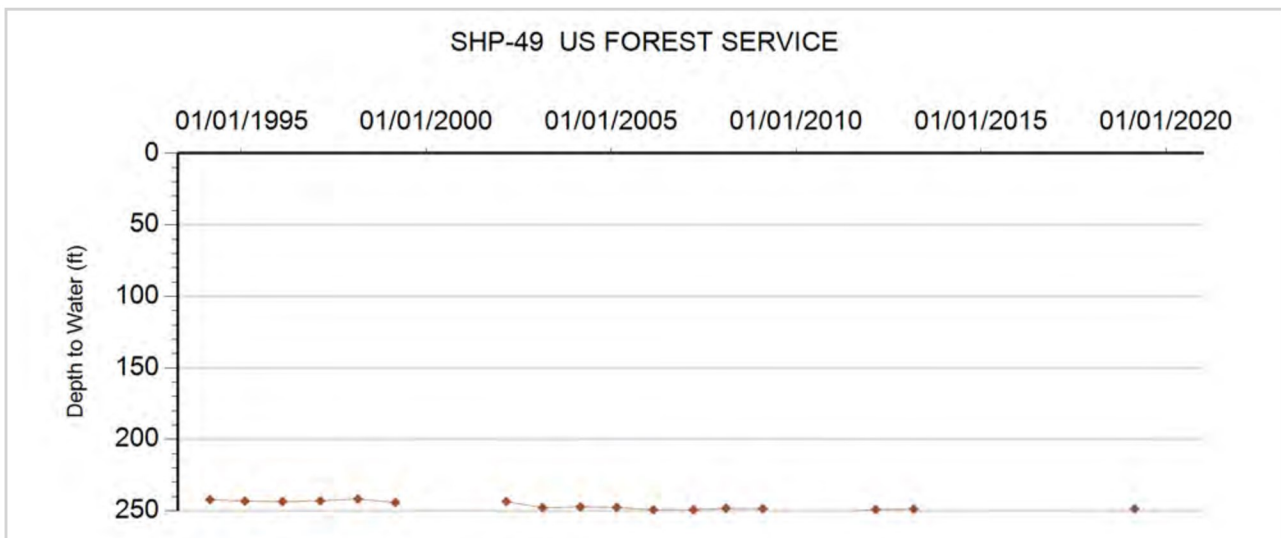
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 02/24/2020 | | | |
| 02/25/2019 | 248.59 | 4944.41 | |
| 02/26/2018 | | | |
| 02/27/2017 | | | |
| 03/07/2016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

Construction Information

Surface Elevation (ft): 5193
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-50 HUME,J.
Permit Number: 16087-F
WDID:
Data Source: DWR

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

Physical Location

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

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

Ten Most Recent Readings

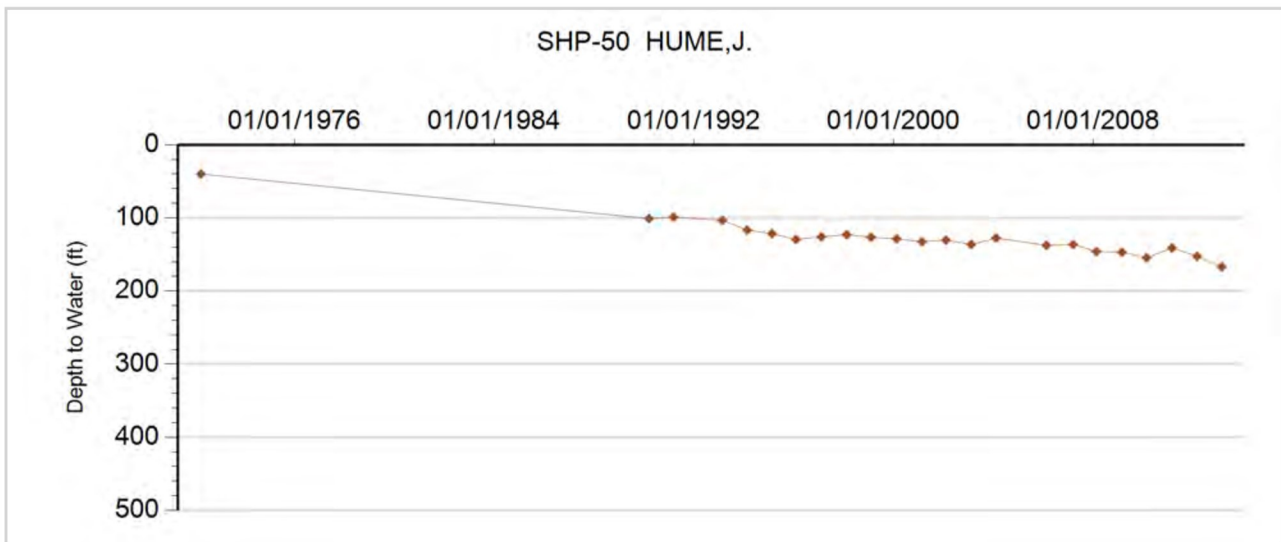
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/03/2013 | 166.90 | 3526.91 | -14.30 |
| 03/06/2012 | 152.60 | 3541.21 | -11.40 |
| 03/06/2011 | 141.20 |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

Construction Information

Surface Elevation (ft): 3694
 Well Depth (ft): 500
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): OGALLALA, DOCKUM

Well Measurement Summary

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





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

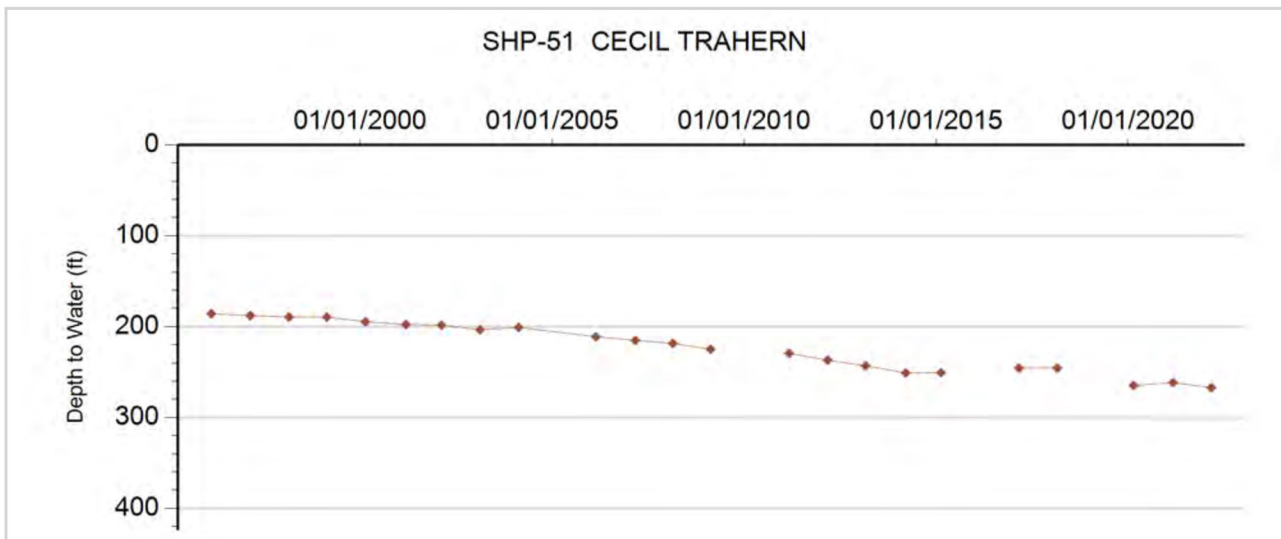
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 267.20 | 3832.80 | -5.54 |
| 03/05/2021 | 261.66 | 3838.34 | 3.10 |
| 02/26/2020 | 264.76 | 3835.24 | |
| 02/27/2019 | | | |
| 02/28/2018 | 245.70 | 3854.30 | 0.13 |
| 03/01/2017 | 245.83 | 3854.17 | |
| 03/08/2016 | | | |
| 02/18/2015 | 250.79 | 3849.21 | 0.22 |
| 03/19/2014 | 251.01 | 3848.99 | -7.81 |
| 03/02/2013 | 243.20 | 3856.80 | -6.20 |

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: 03/05/2022
 Number of Measurements: 26





GROUNDWATER DETAILS

Well Name: SHP-52 BILL WRIGHT

Permit Number: 17021-FP

WDID:

Data Source: DWR

Location Number: SC03204207CB

USGS Site ID:

Applicant/Contact: BILL WRIGHT

Physical Location

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

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

Ten Most Recent Readings

| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 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 | |
| 03/19/2014 | | | |
| 03/02/2013 | 232.70 | 3598.82 | 9.30 |

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: 03/05/2022
 Number of Measurements: 26





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

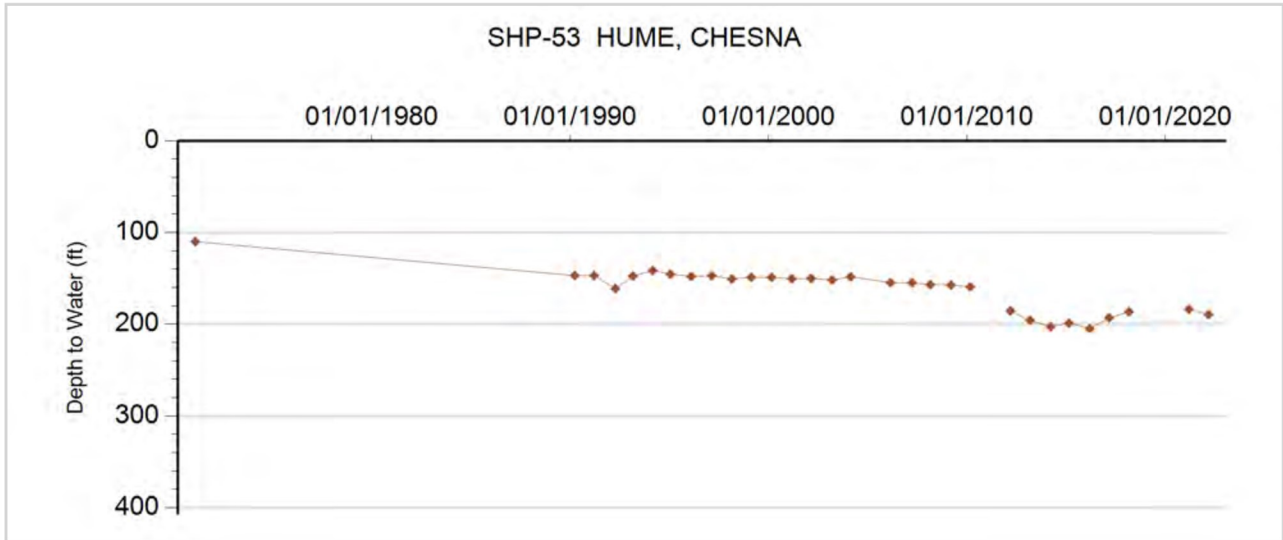
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 189.37 | 3571.36 | -5.66 |
| 03/05/2021 | 183.71 | 3577.02 | |
| 02/25/2020 | | | |
| 02/26/2019 | | | |
| 02/28/2018 | 186.55 | 3574.18 | 6.44 |
| 02/28/2017 | 192.99 | 3567.74 | 11.95 |
| 03/08/2016 | 204.94 | 3555.79 | -6.00 |
| 02/18/2015 | 198.94 | 3561.79 | 3.82 |
| 03/19/2014 | 202.76 | 3557.97 | -7.06 |
| 03/03/2013 | 195.70 | 3565.03 | -10.20 |

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: 03/04/2022
 Number of Measurements: 33





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

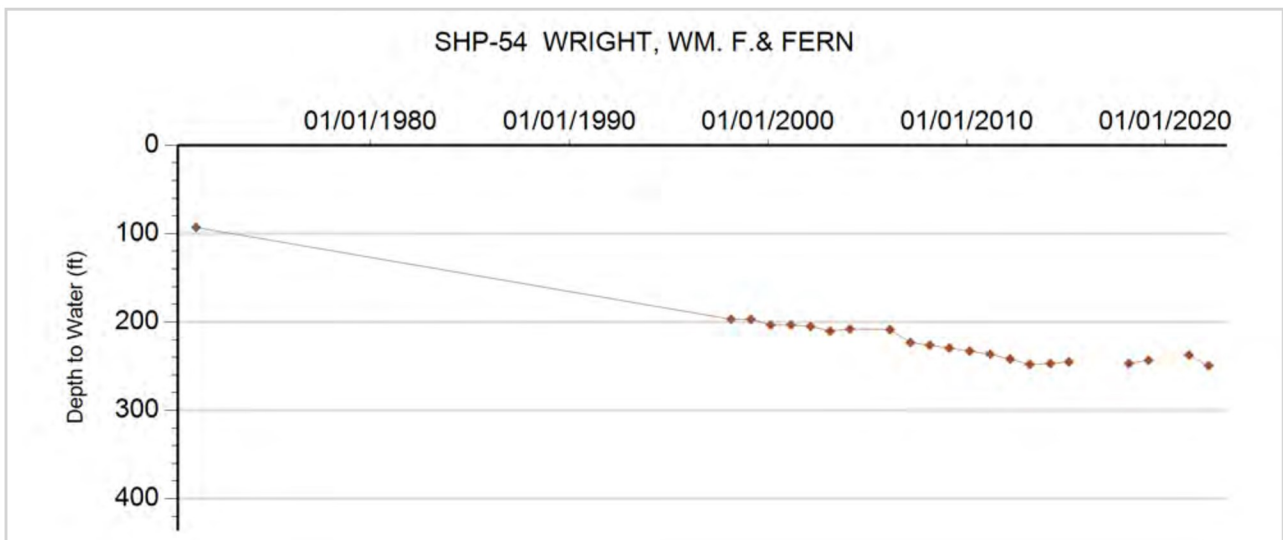
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/05/2022 | 249.48 | 3588.52 | -12.08 |
| 03/05/2021 | 237.40 | 3600.60 | |
| 02/26/2020 | | | |
| 02/27/2019 | 243.38 | 3594.62 | 3.67 |
| 02/28/2018 | 247.05 | 3590.95 | |
| 03/01/2017 | | | |
| 03/08/2016 | | | |
| 02/18/2015 | 245.14 | 3592.86 | 1.89 |
| 03/19/2014 | 247.03 | 3590.97 | 0.97 |
| 03/02/2013 | 248.00 | 3590.00 | -6.00 |

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: 03/05/2022
 Number of Measurements: 25





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

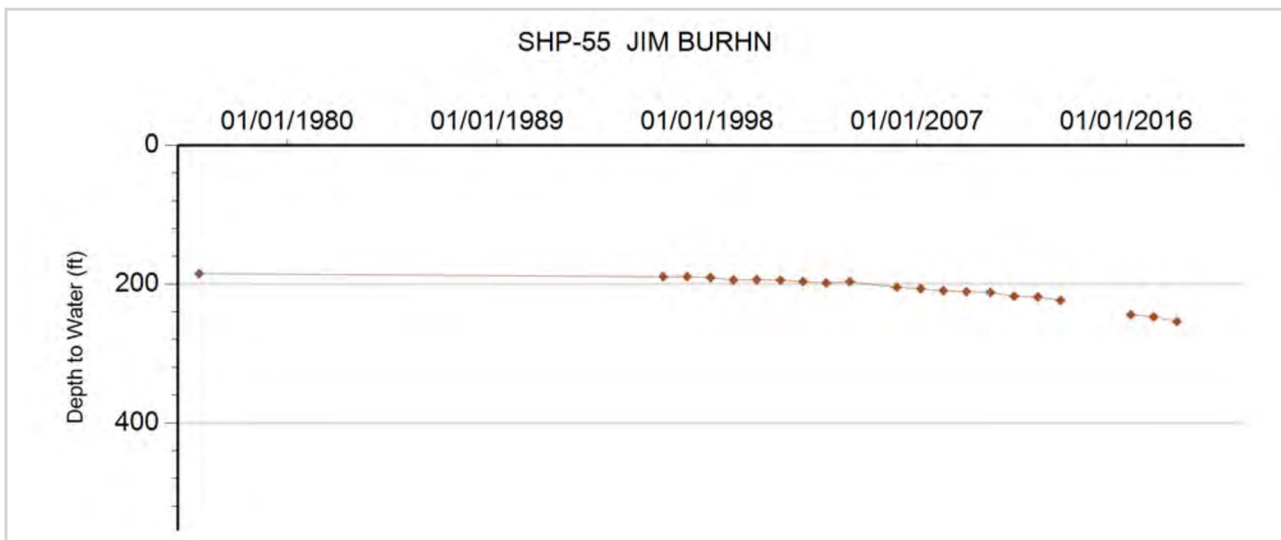
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 02/26/2020 | | | |
| 02/27/2019 | | | |
| 02/28/2018 | 253.77 | 3584.23 | -6.56 |
| 03/01/2017 | 247.21 | 3590.79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

Construction Information

Surface Elevation (ft): 3838
 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





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

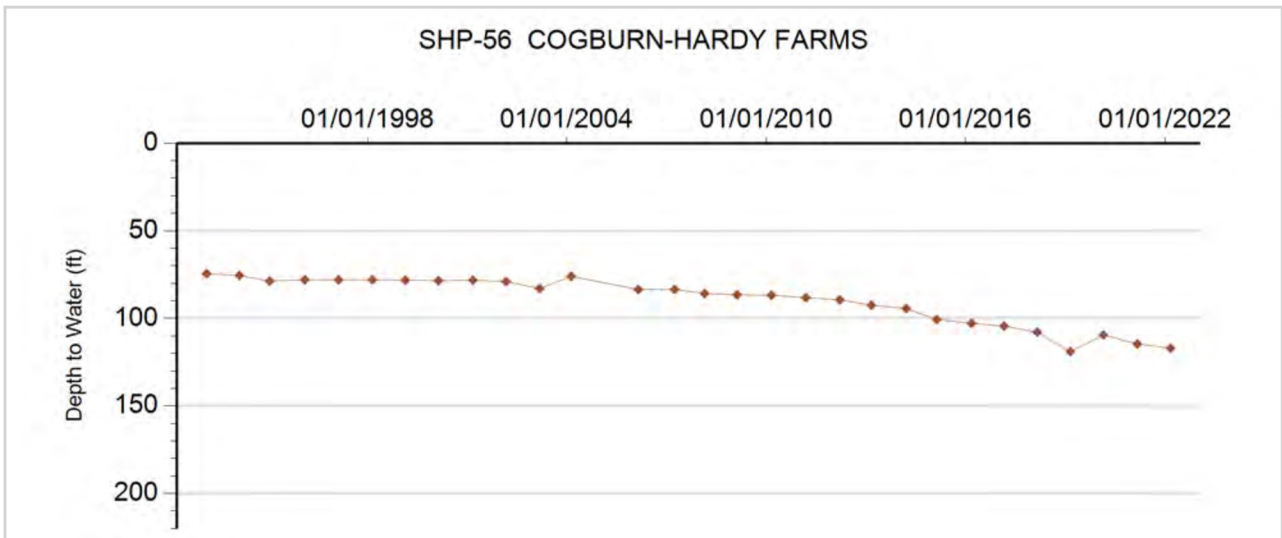
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 117.03 | 4011.67 | -2.41 |
| 03/04/2021 | 114.62 | 4014.08 | -5.15 |
| 02/25/2020 | 109.47 | 4019.23 | 9.46 |
| 02/26/2019 | 118.93 | 4009.77 | -11.05 |
| 02/27/2018 | 107.88 | 4020.82 | -3.48 |
| 02/28/2017 | 104.40 | 4024.30 | -1.56 |
| 03/09/2016 | 102.84 | 4025.86 | -2.18 |
| 02/19/2015 | 100.66 | 4028.04 | -6.25 |
| 03/20/2014 | 94.41 | 4034.29 | -1.91 |
| 03/02/2013 | 92.50 | 4036.20 | -3.10 |

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: 03/04/2022
 Number of Measurements: 29





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

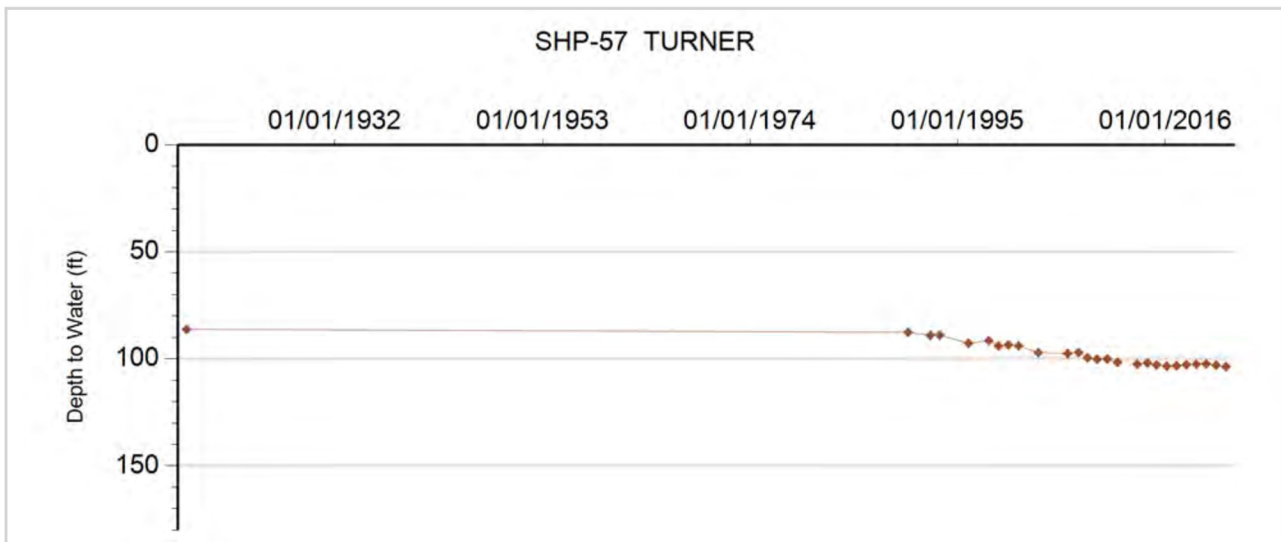
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 103.62 | 4075.73 | -0.59 |
| 03/04/2021 | 103.03 | 4076.32 | -0.65 |
| 02/25/2020 | 102.38 | 4076.97 | 0.14 |
| 02/26/2019 | 102.52 | 4076.83 | 0.18 |
| 02/27/2018 | 102.70 | 4076.65 | 0.51 |
| 02/28/2017 | 103.21 | 4076.14 | 0.17 |
| 03/09/2016 | 103.38 | 4075.97 | -0.58 |
| 02/19/2015 | 102.80 | 4076.55 | -0.88 |
| 03/20/2014 | 101.92 | 4077.43 | 0.58 |
| 03/03/2013 | 102.50 | 4076.85 | |

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: 03/04/2022
 Number of Measurements: 27





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

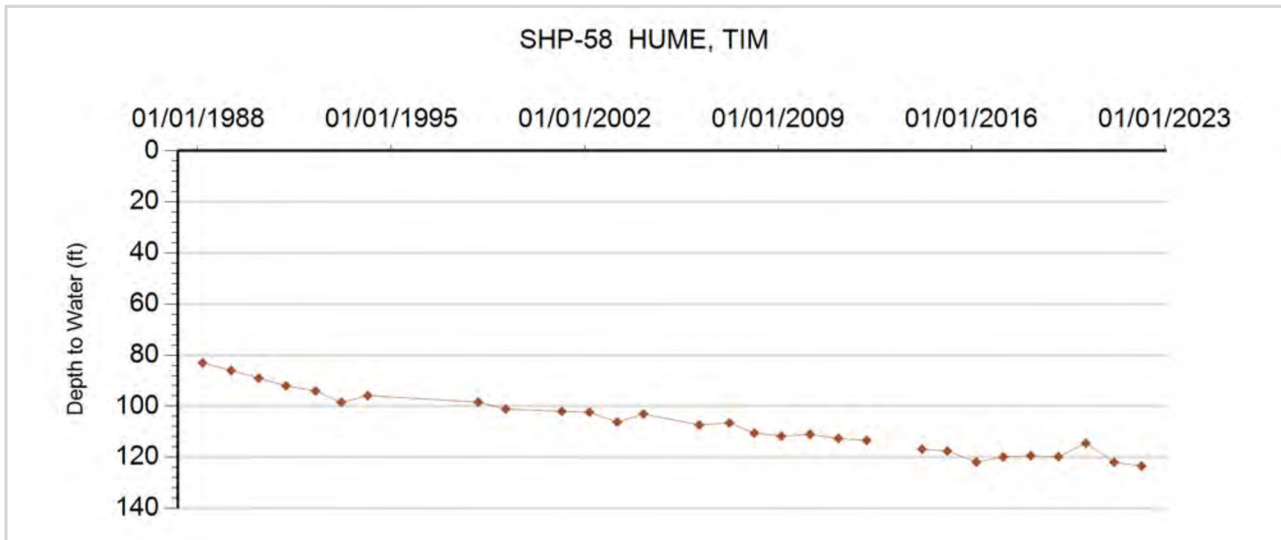
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 123.43 | 4061.40 | -1.52 |
| 03/04/2021 | 121.91 | 4062.92 | -7.42 |
| 02/25/2020 | 114.49 | 4070.34 | 5.28 |
| 02/26/2019 | 119.77 | 4065.06 | -0.39 |
| 02/27/2018 | 119.38 | 4065.45 | 0.47 |
| 02/28/2017 | 119.85 | 4064.98 | 1.95 |
| 03/09/2016 | 121.80 | 4063.03 | -4.25 |
| 02/19/2015 | 117.55 | 4067.28 | -0.72 |
| 03/20/2014 | 116.83 | 4068.00 | |
| 03/02/2013 | | | |

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: 03/04/2022
 Number of Measurements: 30





GROUNDWATER DETAILS

Well Name: SHP-59 LMS

Permit Number: 5344-F

WDID:

Data Source: DWR

Location Number: SC03204519CC

USGS Site ID:

Applicant/Contact: LMS

Physical Location

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

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

Ten Most Recent Readings

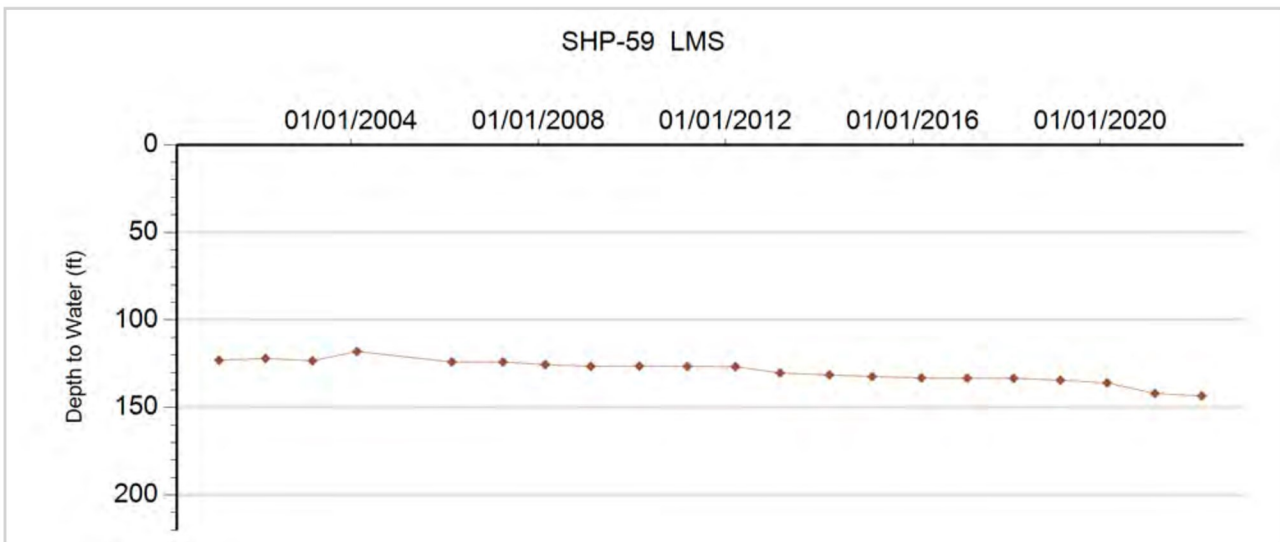
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 143.39 | 4199.93 | -1.41 |
| 03/04/2021 | 141.98 | 4201.34 | -6.00 |
| 02/25/2020 | 135.98 | 4207.34 | -1.56 |
| 02/26/2019 | 134.42 | 4208.90 | -1.13 |
| 02/27/2018 | 133.29 | 4210.03 | -0.02 |
| 02/28/2017 | 133.27 | 4210.05 | -0.13 |
| 03/09/2016 | 133.14 | 4210.18 | -0.83 |
| 02/19/2015 | 132.31 | 4211.01 | -0.91 |
| 03/21/2014 | 131.40 | 4211.92 | -1.10 |
| 03/02/2013 | 130.30 | 4213.02 | -3.60 |

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: 03/04/2022
 Number of Measurements: 21





GROUNDWATER DETAILS

Well Name: SHP-60 CRANE, W.
Permit Number: 12825-FP
WDID:
Data Source: DWR

Location Number: SC03204609AAD
USGS Site ID:
Applicant/Contact: CRANE, W.

Physical Location

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

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

Ten Most Recent Readings

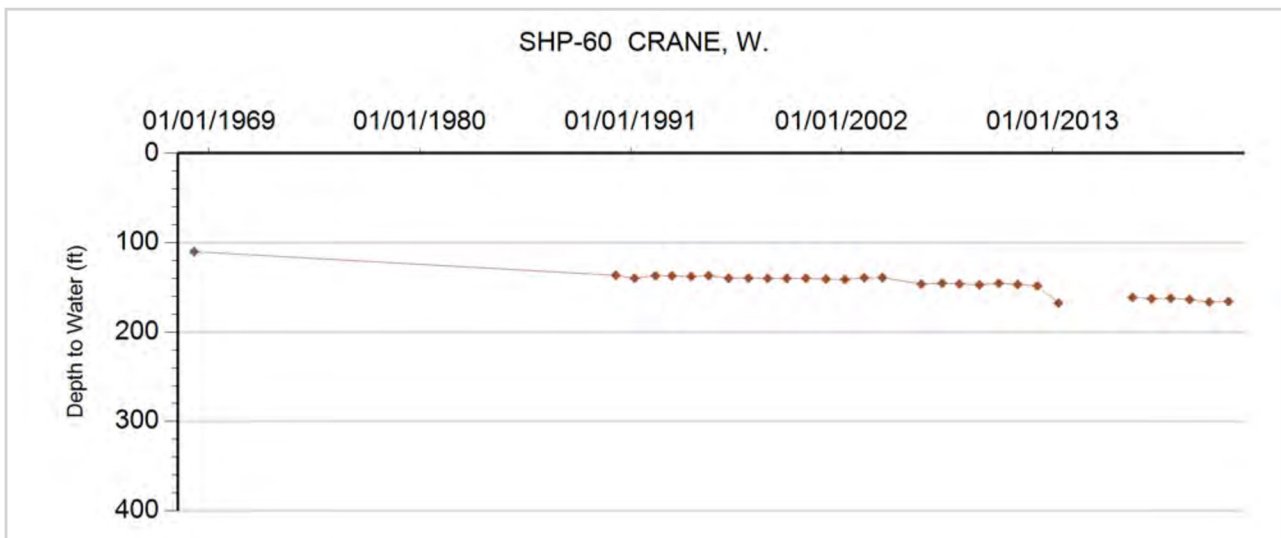
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 165.77 | 4238.23 | 0.48 |
| 03/04/2021 | 166.25 | 4237.75 | -2.73 |
| 02/25/2020 | 163.52 | 4240.48 | -1.32 |
| 02/26/2019 | 162.20 | 4241.80 | 0.41 |
| 02/27/2018 | 162.61 | 4241.39 | -1.38 |
| 02/28/2017 | 161.23 | 4242.77 | |
| 03/09/2016 | | | |
| 02/19/2015 | | | |
| 03/20/2014 | | | |
| 04/21/2013 | 167.50 | 4236.50 | -19.30 |

Construction Information

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

Well Measurement Summary

Start Date: 03/27/1968 End Date: 03/04/2022
 Number of Measurements: 33





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

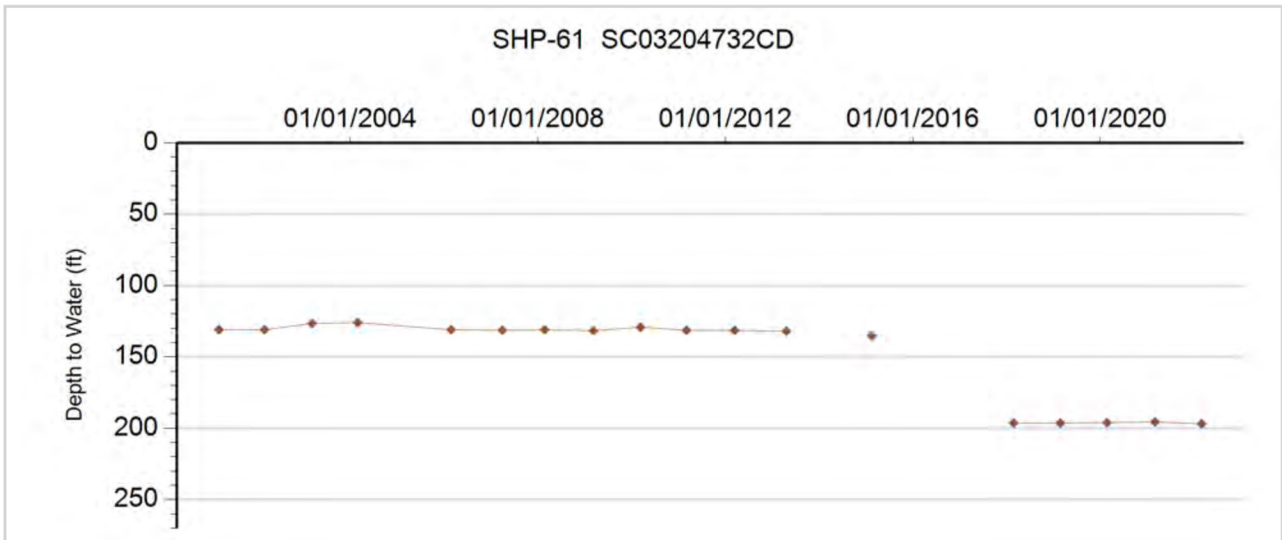
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/03/2022 | 196.94 | 4378.06 | -1.35 |
| 03/04/2021 | 195.59 | 4379.41 | 0.47 |
| 02/24/2020 | 196.06 | 4378.94 | 0.33 |
| 02/26/2019 | 196.39 | 4378.61 | -0.04 |
| 02/27/2018 | 196.35 | 4378.65 | |
| 02/27/2017 | | | |
| 03/08/2016 | | | |
| 02/18/2015 | 135.14 | 4439.86 | |
| 03/26/2014 | | | |
| 04/21/2013 | 132.00 | 4443.00 | -0.50 |

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: 03/03/2022
 Number of Measurements: 21





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

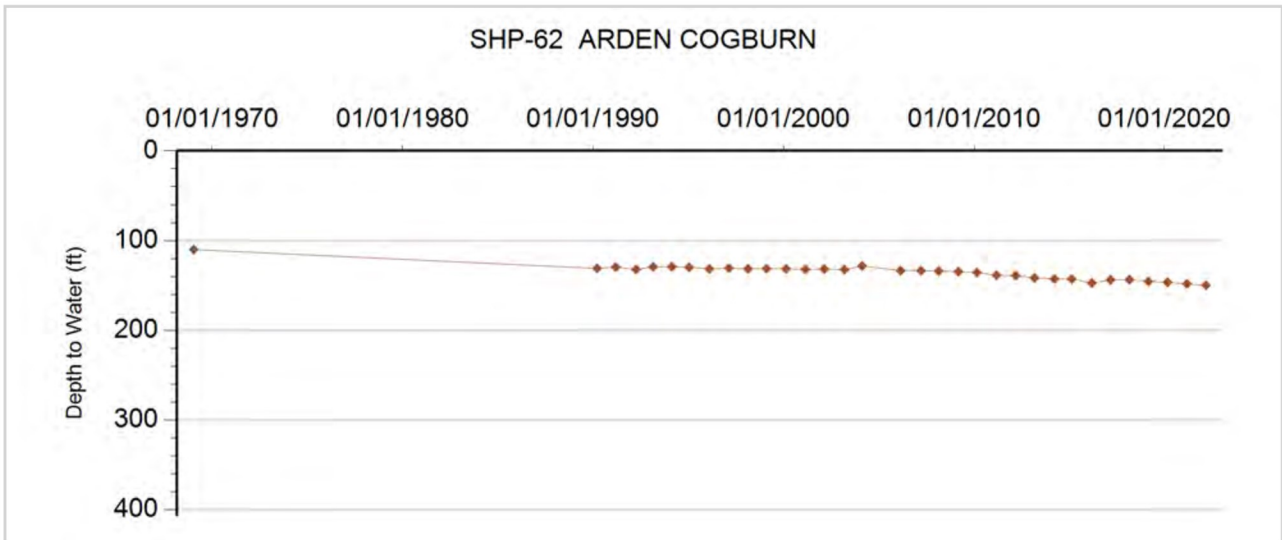
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 149.91 | 3605.09 | -1.51 |
| 03/05/2021 | 148.40 | 3606.60 | -1.95 |
| 02/25/2020 | 146.45 | 3608.55 | -0.90 |
| 02/26/2019 | 145.55 | 3609.45 | -2.10 |
| 02/27/2018 | 143.45 | 3611.55 | 0.37 |
| 02/28/2017 | 143.82 | 3611.18 | 3.40 |
| 03/08/2016 | 147.22 | 3607.78 | -4.28 |
| 02/18/2015 | 142.94 | 3612.06 | -0.25 |
| 03/19/2014 | 142.69 | 3612.31 | -1.19 |
| 03/03/2013 | 141.50 | 3613.50 | -2.60 |

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: 03/04/2022
 Number of Measurements: 33





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

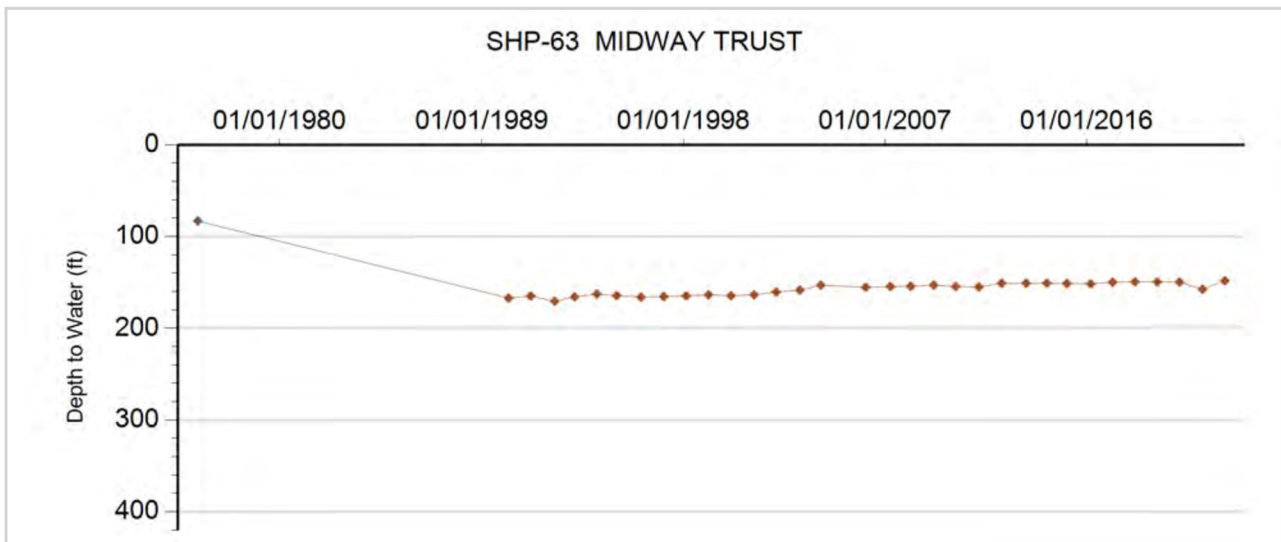
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 148.25 | 3731.75 | 9.20 |
| 03/05/2021 | 157.45 | 3722.55 | -7.82 |
| 02/25/2020 | 149.63 | 3730.37 | -0.17 |
| 02/26/2019 | 149.46 | 3730.54 | -0.07 |
| 02/27/2018 | 149.39 | 3730.61 | 0.38 |
| 02/28/2017 | 149.77 | 3730.23 | 1.84 |
| 03/08/2016 | 151.61 | 3728.39 | -0.43 |
| 02/18/2015 | 151.18 | 3728.82 | -0.32 |
| 03/26/2014 | 150.86 | 3729.14 | 0.04 |
| 04/20/2013 | 150.90 | 3729.10 | 0.10 |

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: 03/04/2022
 Number of Measurements: 33





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 157.74 | 3827.26 | 4.82 |
| 03/04/2021 | 162.56 | 3822.44 | -2.12 |
| 02/25/2020 | 160.44 | 3824.56 | 7.09 |
| 02/26/2019 | 167.53 | 3817.47 | -6.86 |
| 02/27/2018 | 160.67 | 3824.33 | 5.65 |
| 02/28/2017 | 166.32 | 3818.68 | 0.74 |
| 03/08/2016 | 167.06 | 3817.94 | -1.61 |
| 02/18/2015 | 165.45 | 3819.55 | 1.22 |
| 03/26/2014 | 166.67 | 3818.33 | 4.33 |
| 04/21/2013 | 171.00 | 3814.00 | -4.80 |

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: 03/04/2022
 Number of Measurements: 21





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

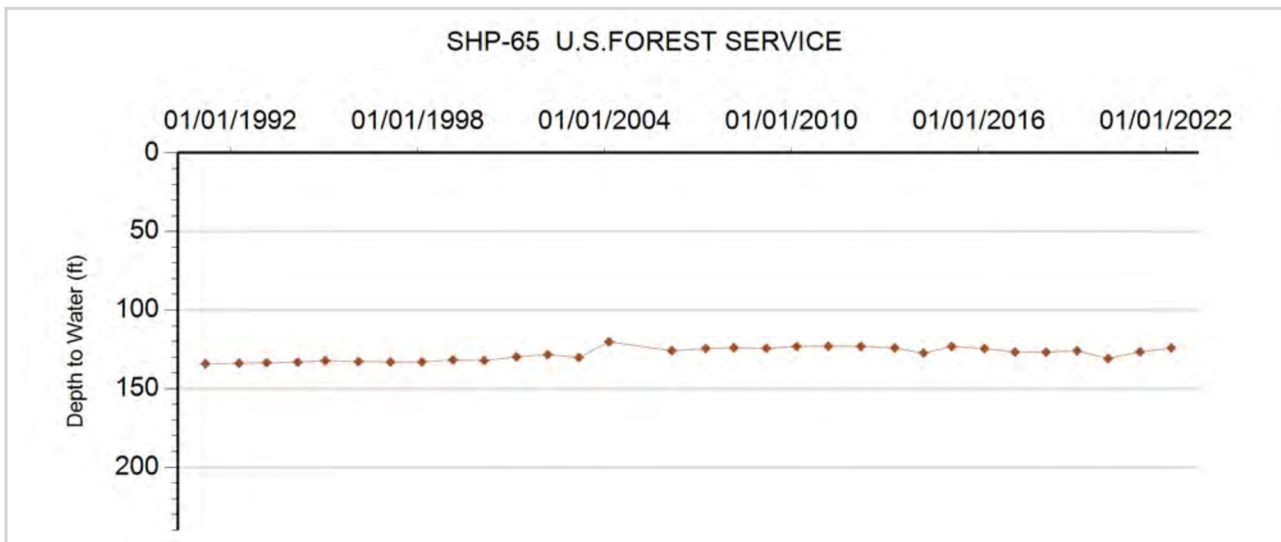
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 124.10 | 4005.90 | 2.48 |
| 03/04/2021 | 126.58 | 4003.42 | 4.28 |
| 02/25/2020 | 130.86 | 3999.14 | -4.96 |
| 02/26/2019 | 125.90 | 4004.10 | 0.85 |
| 02/27/2018 | 126.75 | 4003.25 | -0.08 |
| 02/28/2017 | 126.67 | 4003.33 | -2.16 |
| 03/08/2016 | 124.51 | 4005.49 | -1.36 |
| 02/18/2015 | 123.15 | 4006.85 | 4.15 |
| 03/25/2014 | 127.30 | 4002.70 | -3.20 |
| 04/21/2013 | 124.10 | 4005.90 | -1.00 |

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: 03/04/2022
 Number of Measurements: 31





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

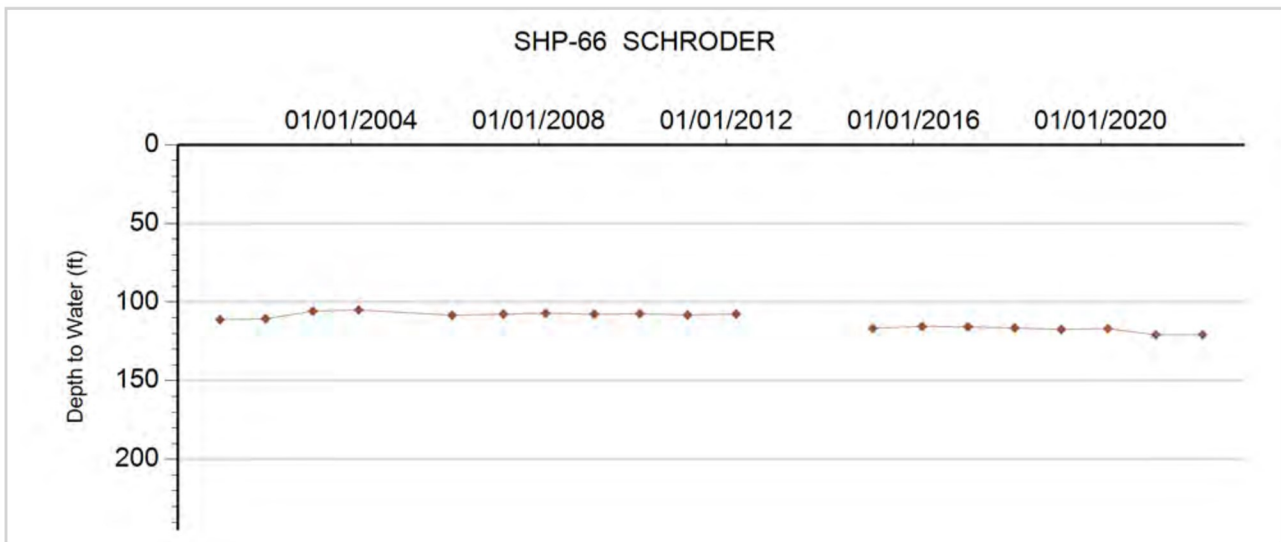
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 120.74 | 4079.26 | 0.08 |
| 03/04/2021 | 120.82 | 4079.18 | -3.90 |
| 02/25/2020 | 116.92 | 4083.08 | 0.48 |
| 02/26/2019 | 117.40 | 4082.60 | -0.93 |
| 02/27/2018 | 116.47 | 4083.53 | -0.68 |
| 02/28/2017 | 115.79 | 4084.21 | -0.36 |
| 03/08/2016 | 115.43 | 4084.57 | 1.31 |
| 02/18/2015 | 116.74 | 4083.26 | |
| 03/25/2014 | | | |
| 04/20/2013 | | | |

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: 03/04/2022
 Number of Measurements: 21





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

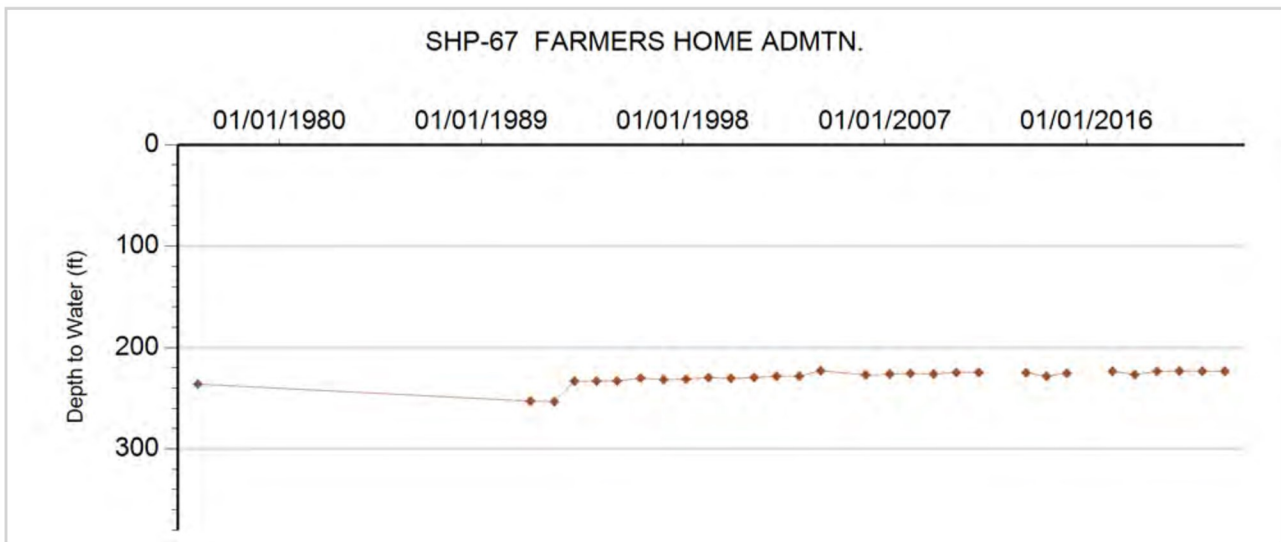
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 223.32 | 4116.68 | -0.02 |
| 03/04/2021 | 223.30 | 4116.70 | -0.16 |
| 02/25/2020 | 223.14 | 4116.86 | 0.29 |
| 02/26/2019 | 223.43 | 4116.57 | 3.20 |
| 02/27/2018 | 226.63 | 4113.37 | -3.25 |
| 02/28/2017 | 223.38 | 4116.62 | |
| 03/08/2016 | | | |
| 02/17/2015 | 225.29 | 4114.71 | 2.90 |
| 03/25/2014 | 228.19 | 4111.81 | -3.39 |
| 04/21/2013 | 224.80 | 4115.20 | |

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: 03/04/2022
 Number of Measurements: 32





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

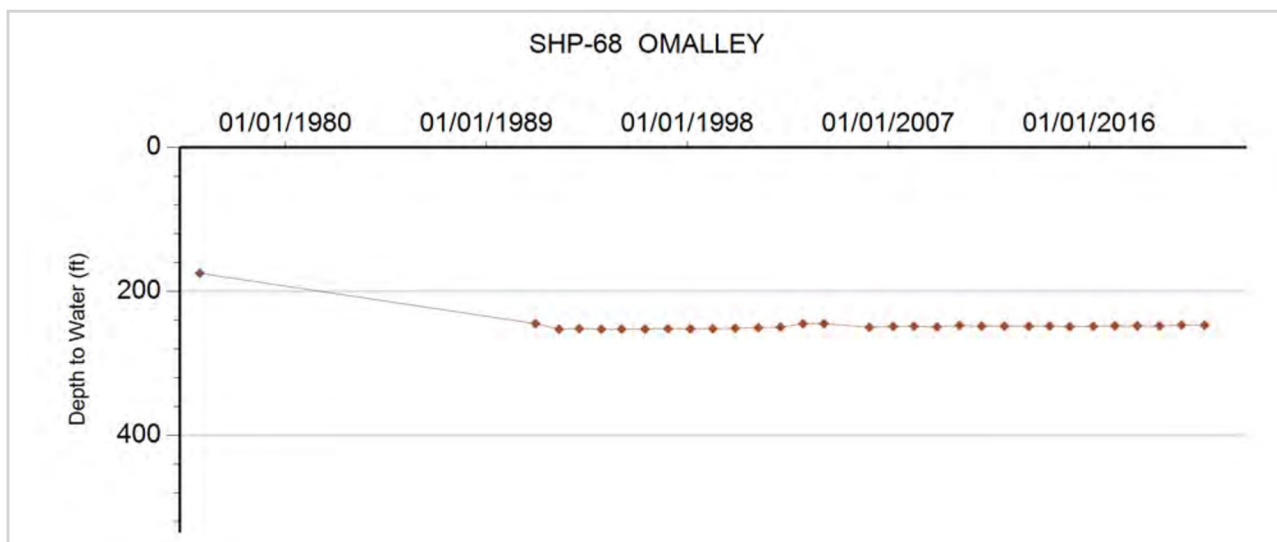
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/03/2022 | | | |
| 03/04/2021 | 247.15 | 4187.85 | -0.29 |
| 02/24/2020 | 246.86 | 4188.14 | 1.31 |
| 02/26/2019 | 248.17 | 4186.83 | -0.18 |
| 02/26/2018 | 247.99 | 4187.01 | -0.05 |
| 02/27/2017 | 247.94 | 4187.06 | 0.77 |
| 03/08/2016 | 248.71 | 4186.29 | 0.54 |
| 02/18/2015 | 249.25 | 4185.75 | -0.96 |
| 03/25/2014 | 248.29 | 4186.71 | 0.31 |
| 04/20/2013 | 248.60 | 4186.40 | -0.20 |

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: 03/03/2022
 Number of Measurements: 32





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

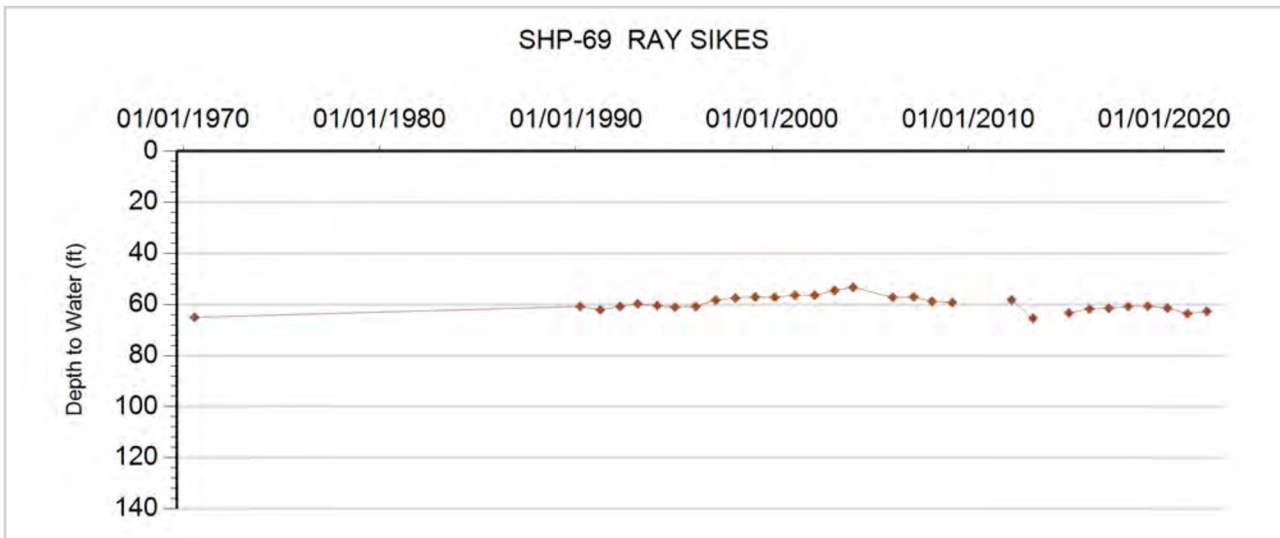
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/03/2022 | 62.66 | 4938.34 | 0.87 |
| 03/03/2021 | 63.53 | 4937.47 | -2.15 |
| 02/24/2020 | 61.38 | 4939.62 | -0.71 |
| 02/25/2019 | 60.67 | 4940.33 | 0.07 |
| 02/26/2018 | 60.74 | 4940.26 | 0.69 |
| 02/27/2017 | 61.43 | 4939.57 | 0.26 |
| 03/07/2016 | 61.69 | 4939.31 | 1.63 |
| 02/17/2015 | 63.32 | 4937.68 | |
| 03/25/2014 | | | |
| 04/20/2013 | 65.40 | 4935.60 | -7.20 |

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: 03/03/2022
 Number of Measurements: 32





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

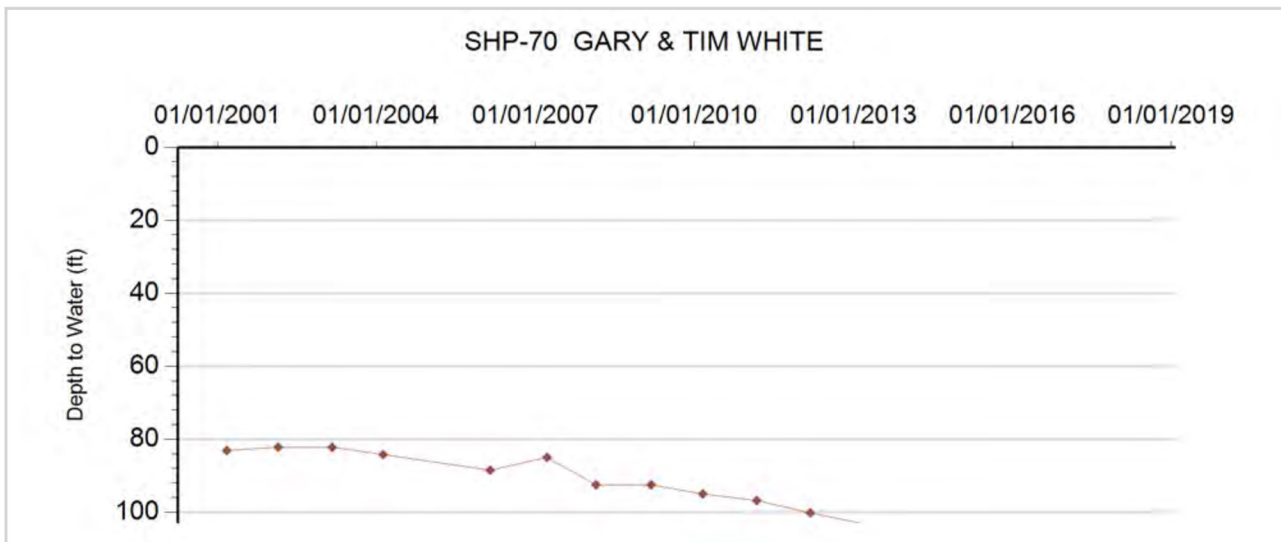
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 02/27/2018 | | | |
| 02/28/2017 | | | |
| 03/25/2014 | | | |
| 03/03/2013 | 103.10 | 3398.42 | -2.90 |
| 03/09/2012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

Construction Information

Surface Elevation (ft): 3502
 Well Depth (ft): 103
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 3
 Depth to Bottom of Perforated Casing (ft): 103
 Source Aquifer(s): OGALLALA, DOCKUM

Well Measurement Summary

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





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

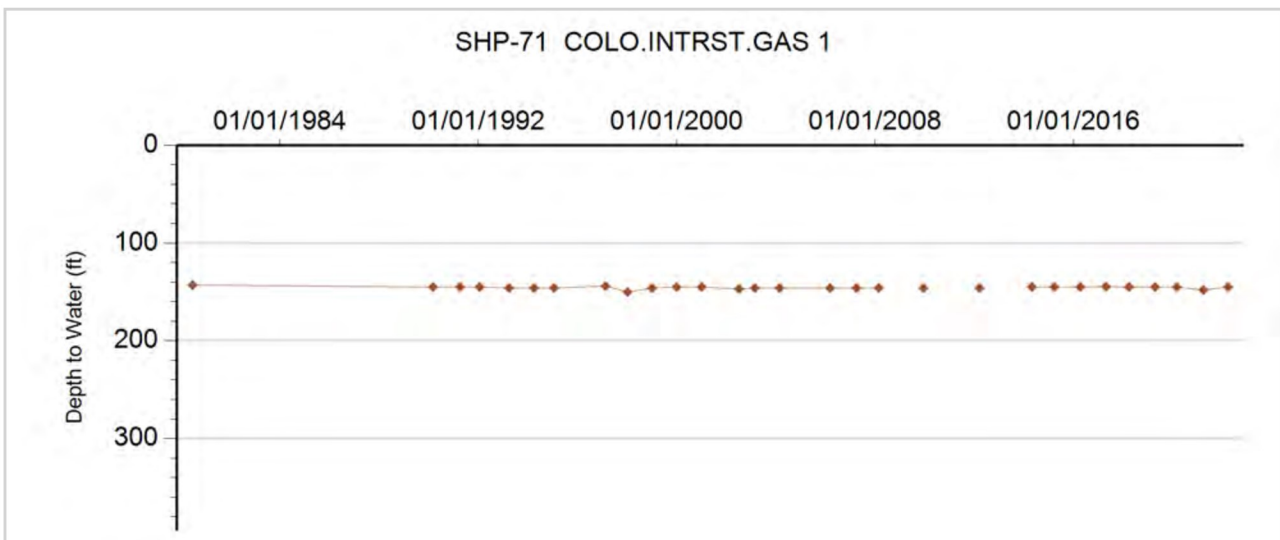
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/28/2022 | 145.00 | 3683.00 | 3.00 |
| 03/30/2021 | 148.00 | 3680.00 | -3.00 |
| 03/03/2020 | 145.00 | 3683.00 | 0.00 |
| 04/18/2019 | 145.00 | 3683.00 | 0.00 |
| 03/29/2018 | 145.00 | 3683.00 | -0.50 |
| 04/26/2017 | 144.50 | 3683.50 | 0.50 |
| 04/12/2016 | 145.00 | 3683.00 | 0.00 |
| 03/25/2015 | 145.00 | 3683.00 | 0.00 |
| 04/30/2014 | 145.00 | 3683.00 | |
| 03/01/2013 | | | |

Construction Information

Surface Elevation (ft): 3828
 Well Depth (ft): 394
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 06/26/1980 End Date: 03/28/2022
 Number of Measurements: 32





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

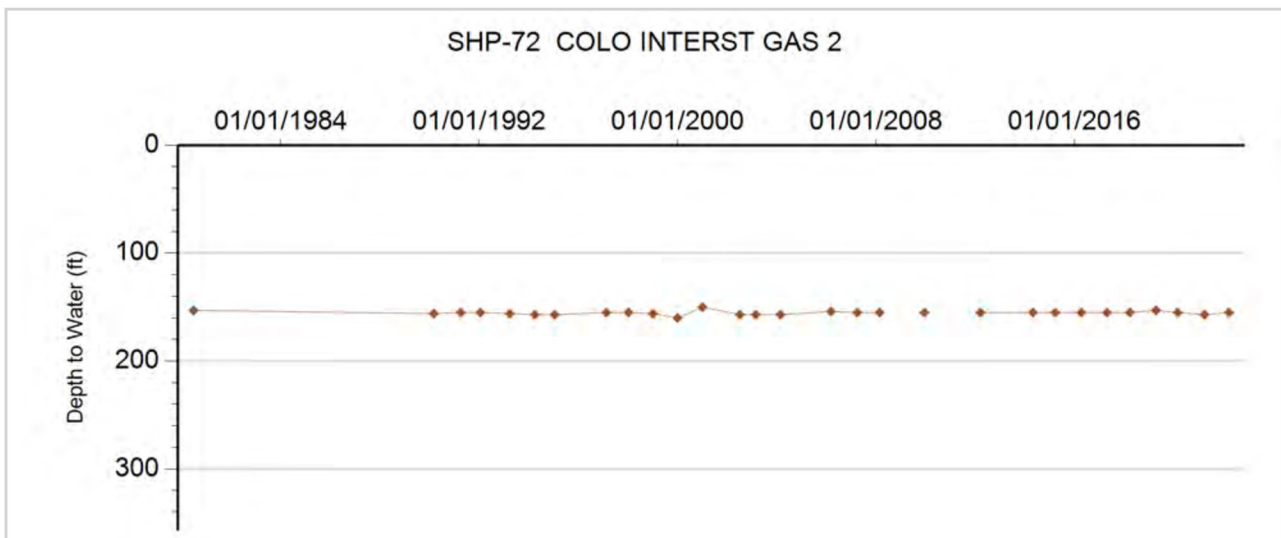
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/28/2022 | 155.00 | 3671.00 | 2.00 |
| 03/30/2021 | 157.00 | 3669.00 | -2.00 |
| 03/03/2020 | 155.00 | 3671.00 | -2.00 |
| 04/18/2019 | 153.00 | 3673.00 | 2.00 |
| 03/29/2018 | 155.00 | 3671.00 | 0.00 |
| 04/26/2017 | 155.00 | 3671.00 | 0.00 |
| 04/12/2016 | 155.00 | 3671.00 | 0.00 |
| 03/25/2015 | 155.00 | 3671.00 | 0.00 |
| 04/30/2014 | 155.00 | 3671.00 | 0.00 |
| 03/21/2012 | 155.00 | 3671.00 | |

Construction Information

Surface Elevation (ft): 3826
 Well Depth (ft): 357
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft):
 Depth to Bottom of Perforated Casing (ft):
 Source Aquifer(s): DOCKUM

Well Measurement Summary

Start Date: 06/30/1980 End Date: 03/28/2022
 Number of Measurements: 31





GROUNDWATER DETAILS

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

Permit Number: 123684-

WDID:

Data Source: DWR

Location Number: SC03404205DAD

USGS Site ID: 370640102105600

Applicant/Contact: WRAY, P.&A.

Physical Location

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

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

Ten Most Recent Readings

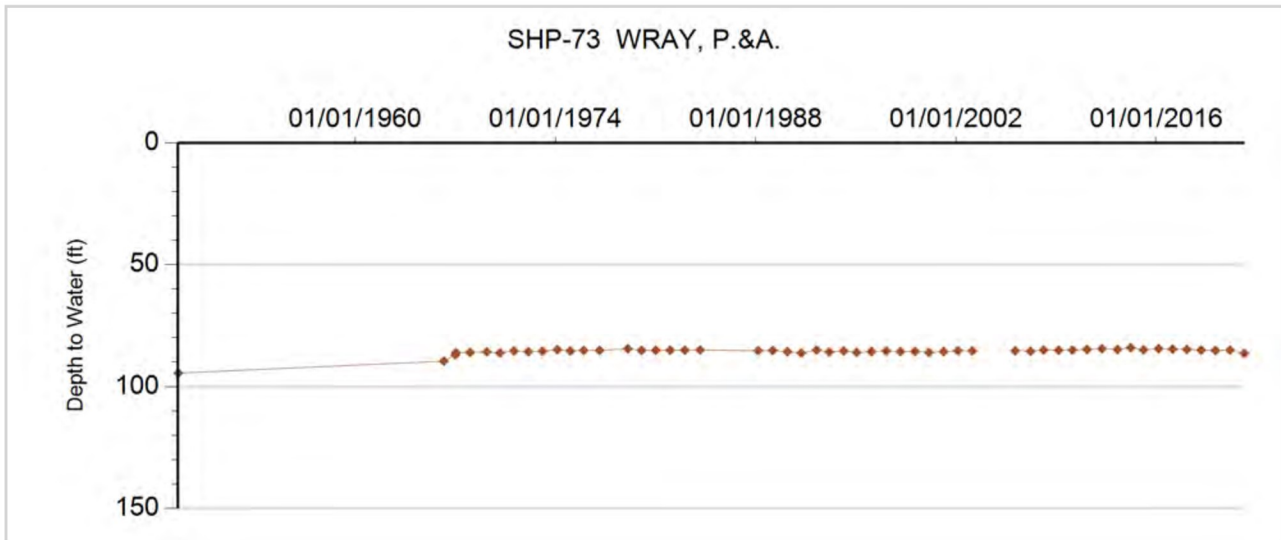
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 86.46 | 3673.13 | -1.44 |
| 03/04/2021 | 85.02 | 3674.57 | 0.21 |
| 02/25/2020 | 85.23 | 3674.36 | -0.21 |
| 02/26/2019 | 85.02 | 3674.57 | -0.25 |
| 02/27/2018 | 84.77 | 3674.82 | -0.12 |
| 02/28/2017 | 84.65 | 3674.94 | -0.16 |
| 03/07/2016 | 84.49 | 3675.10 | 0.45 |
| 02/17/2015 | 84.94 | 3674.65 | -0.87 |
| 03/26/2014 | 84.07 | 3675.52 | 0.73 |
| 04/20/2013 | 84.80 | 3674.79 | -0.30 |

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: 03/04/2022
 Number of Measurements: 54





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

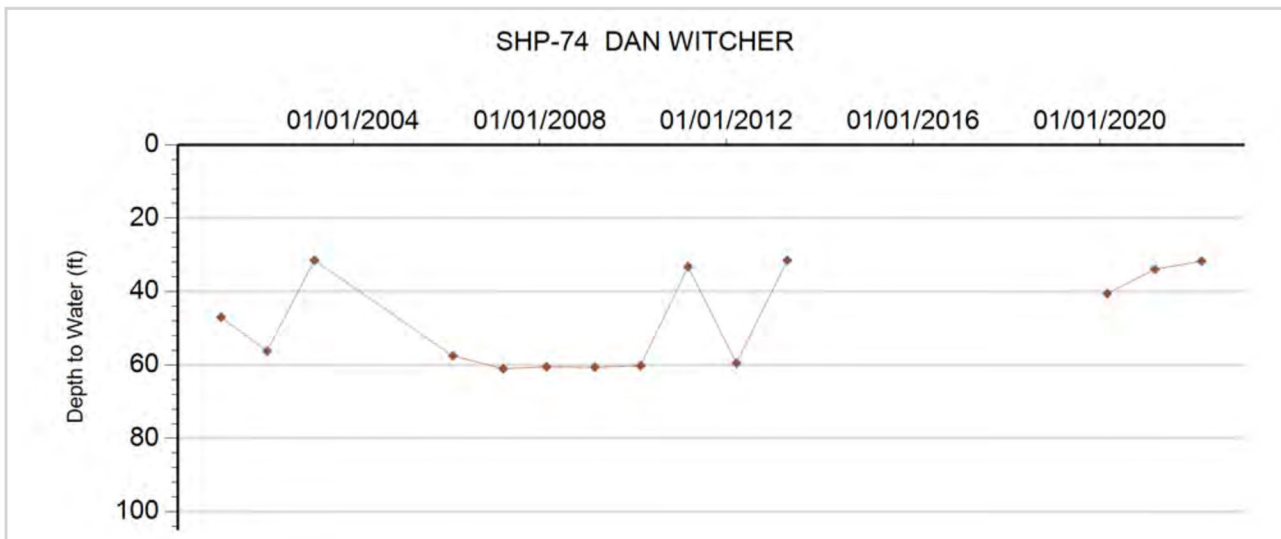
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 31.72 | 3583.28 | 2.20 |
| 03/05/2021 | 33.92 | 3581.08 | 6.64 |
| 02/25/2020 | 40.56 | 3574.44 | |
| 03/07/2016 | | | |
| 03/25/2014 | | | |
| 04/20/2013 | 31.50 | 3583.50 | 28.00 |
| 03/19/2012 | 59.50 | 3555.50 | -26.30 |
| 03/06/2011 | 33.20 | 3581.80 | 27.00 |
| 02/27/2010 | 60.20 | 3554.80 | 0.40 |
| 03/08/2009 | 60.60 | 3554.40 | -0.10 |

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: 03/04/2022
 Number of Measurements: 16





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

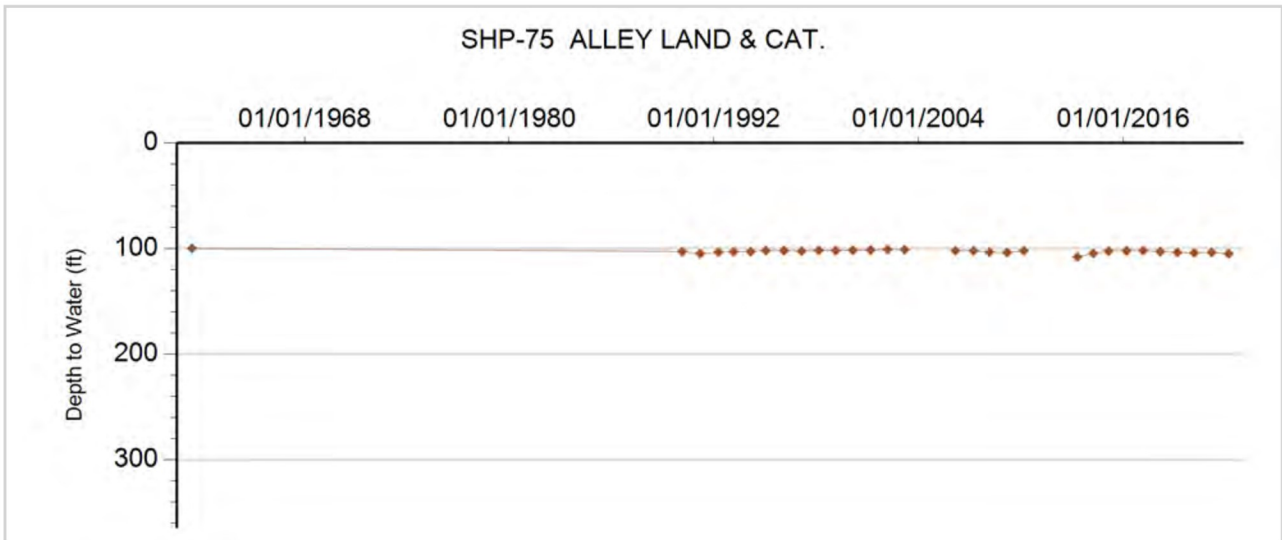
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 105.07 | 3859.93 | -1.24 |
| 03/04/2021 | 103.83 | 3861.17 | 0.49 |
| 02/25/2020 | 104.32 | 3860.68 | -0.48 |
| 02/26/2019 | 103.84 | 3861.16 | -0.76 |
| 02/27/2018 | 103.08 | 3861.92 | -0.85 |
| 02/28/2017 | 102.23 | 3862.77 | 0.10 |
| 03/07/2016 | 102.33 | 3862.67 | 0.27 |
| 02/17/2015 | 102.60 | 3862.40 | 2.24 |
| 03/26/2014 | 104.84 | 3860.16 | 3.26 |
| 04/20/2013 | 108.10 | 3856.90 | |

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: 03/04/2022
 Number of Measurements: 33





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

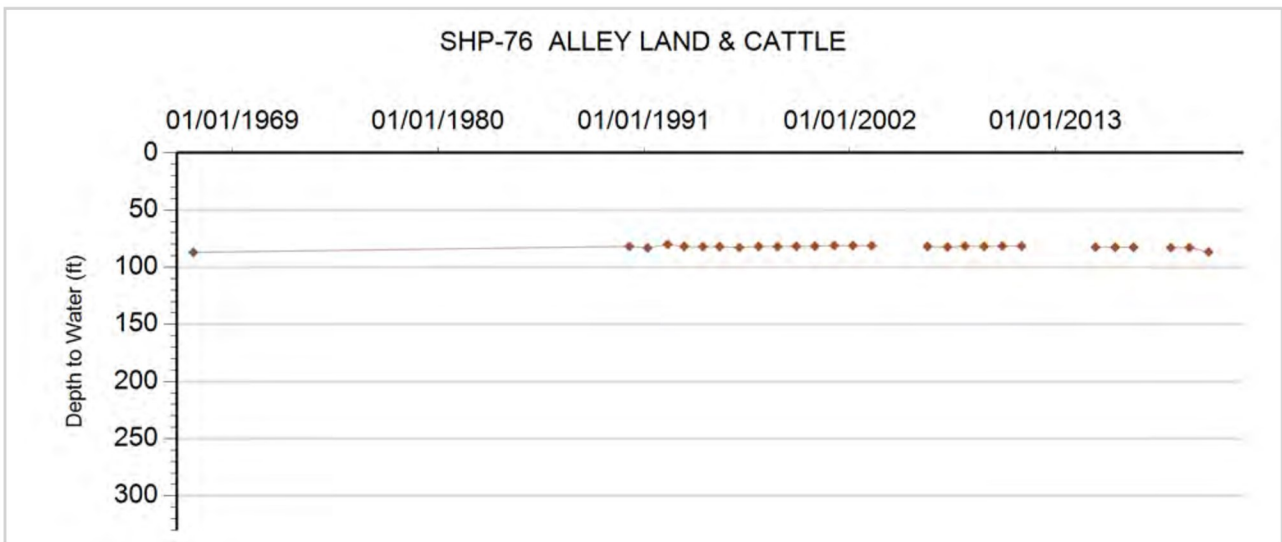
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | | | |
| 03/04/2021 | 86.63 | 3776.37 | -3.74 |
| 02/25/2020 | 82.89 | 3780.11 | 0.01 |
| 02/26/2019 | 82.90 | 3780.10 | |
| 02/27/2018 | | | |
| 02/28/2017 | 82.55 | 3780.45 | -0.09 |
| 03/07/2016 | 82.46 | 3780.54 | -0.06 |
| 02/17/2015 | 82.40 | 3780.60 | |
| 03/26/2014 | | | |
| 04/20/2013 | | | |

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: 03/04/2022
 Number of Measurements: 33





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

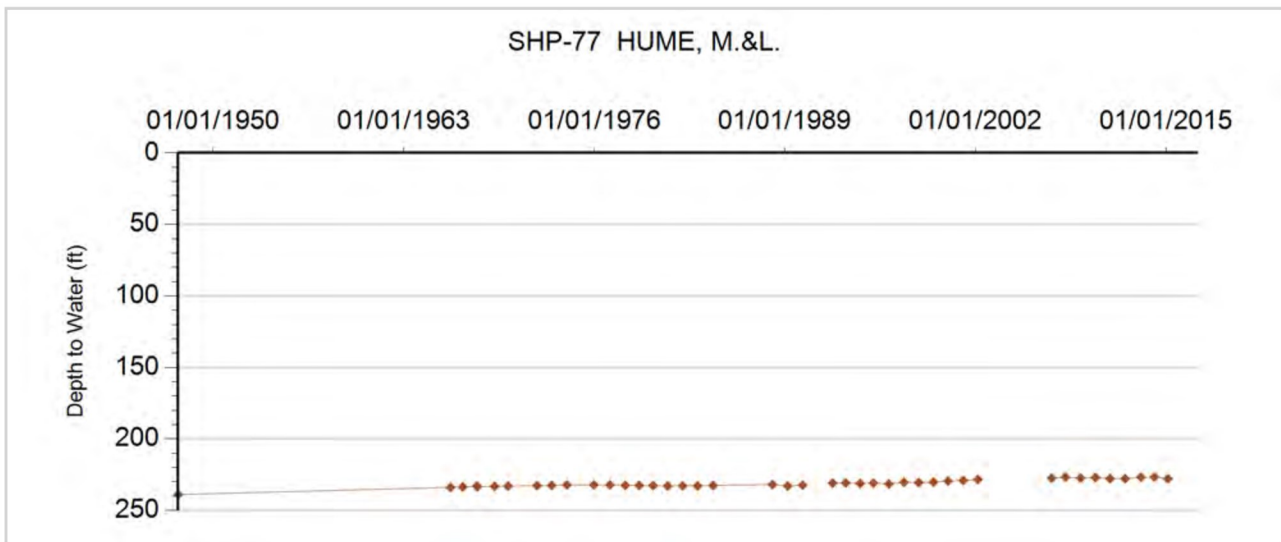
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 02/28/2017 | | | |
| 03/07/2016 | | | |
| 02/17/2015 | 227.85 | 4047.11 | -1.26 |
| 03/25/2014 | 226.59 | 4048.37 | 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

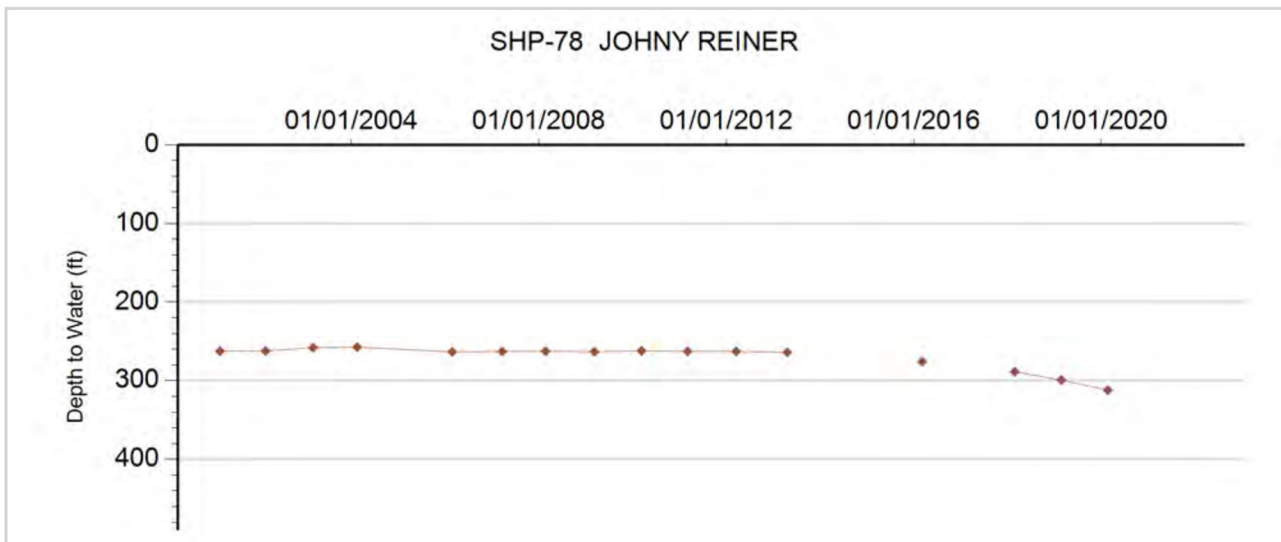
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/03/2022 | | | |
| 03/04/2021 | | | |
| 02/24/2020 | 312.12 | 4057.88 | -12.98 |
| 02/26/2019 | 299.14 | 4070.86 | -10.47 |
| 02/27/2018 | 288.67 | 4081.33 | |
| 02/28/2017 | | | |
| 03/07/2016 | 275.62 | 4094.38 | |
| 02/17/2015 | | | |
| 03/25/2014 | | | |
| 04/20/2013 | 264.00 | 4106.00 | -1.30 |

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: 03/03/2022
 Number of Measurements: 21





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

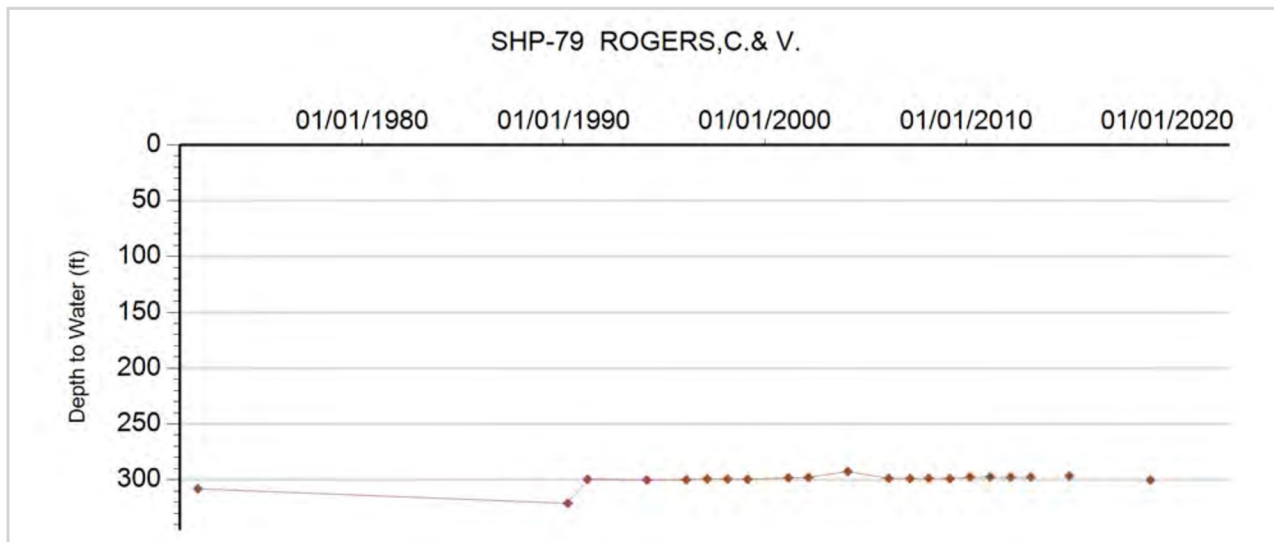
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/03/2022 | | | |
| 03/04/2021 | | | |
| 02/24/2020 | | | |
| 02/26/2019 | 300.14 | 4182.86 | |
| 02/26/2018 | | | |
| 02/27/2017 | | | |
| 03/07/2016 | | | |
| 02/17/2015 | 296.62 | 4186.38 | |
| 03/25/2014 | | | |
| 03/19/2013 | 297.50 | 4185.50 | 0.00 |

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: 03/03/2022
 Number of Measurements: 28





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

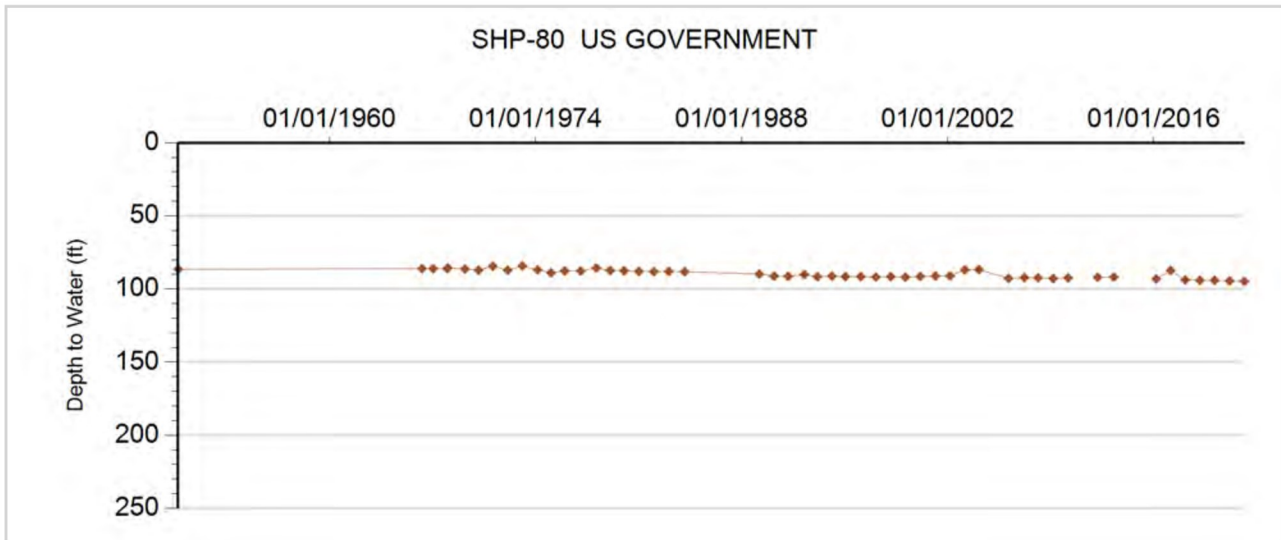
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/03/2022 | 94.76 | 4503.14 | -0.28 |
| 03/04/2021 | 94.48 | 4503.42 | -0.42 |
| 02/24/2020 | 94.06 | 4503.84 | -0.03 |
| 02/25/2019 | 94.03 | 4503.87 | -0.30 |
| 02/26/2018 | 93.73 | 4504.17 | -6.41 |
| 02/27/2017 | 87.32 | 4510.58 | 5.82 |
| 03/07/2016 | 93.14 | 4504.76 | |
| 02/17/2015 | | | |
| 03/25/2014 | | | |
| 04/20/2013 | 91.80 | 4506.10 | 0.20 |

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: 03/03/2022
 Number of Measurements: 54





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

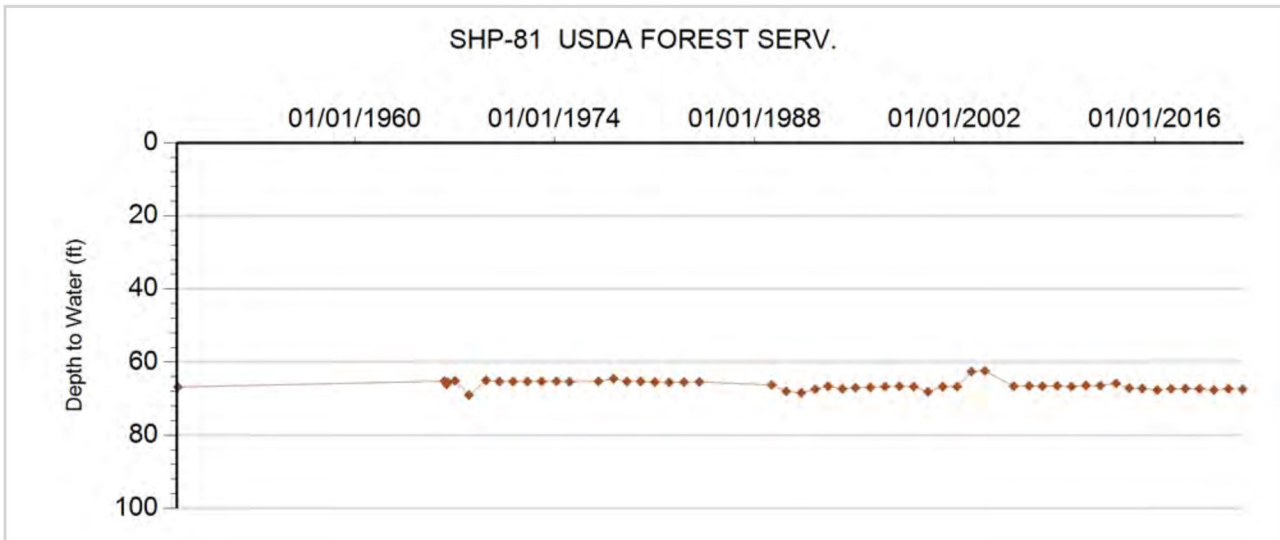
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/03/2022 | 67.46 | 4464.69 | -0.16 |
| 03/04/2021 | 67.30 | 4464.85 | 0.32 |
| 02/24/2020 | 67.62 | 4464.53 | -0.32 |
| 02/25/2019 | 67.30 | 4464.85 | -0.06 |
| 02/26/2018 | 67.24 | 4464.91 | 0.07 |
| 02/27/2017 | 67.31 | 4464.84 | 0.32 |
| 03/07/2016 | 67.63 | 4464.52 | -0.42 |
| 02/17/2015 | 67.21 | 4464.94 | -0.12 |
| 03/25/2014 | 67.09 | 4465.06 | -1.29 |
| 04/21/2013 | 65.80 | 4466.35 | 0.60 |

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: 03/03/2022
 Number of Measurements: 54





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

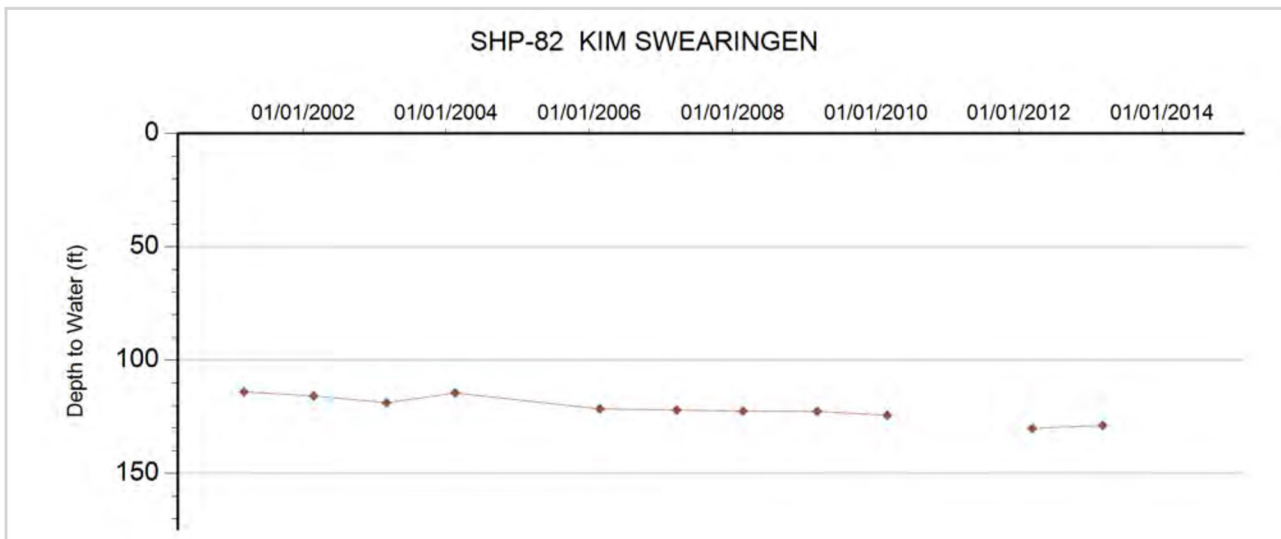
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/25/2014 | | | |
| 03/03/2013 | 128.80 | 3461.20 | 1.30 |
| 03/09/2012 | 130.10 | 3459.90 | |
| 03/06/2011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

Construction Information

Surface Elevation (ft): 3590
 Well Depth (ft): 175
 Depth to Base of Grout (ft):
 Depth to Top of Perforated Casing (ft): 110
 Depth to Bottom of Perforated Casing (ft): 175
 Source Aquifer(s): DOCKUM

Well Measurement Summary

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





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

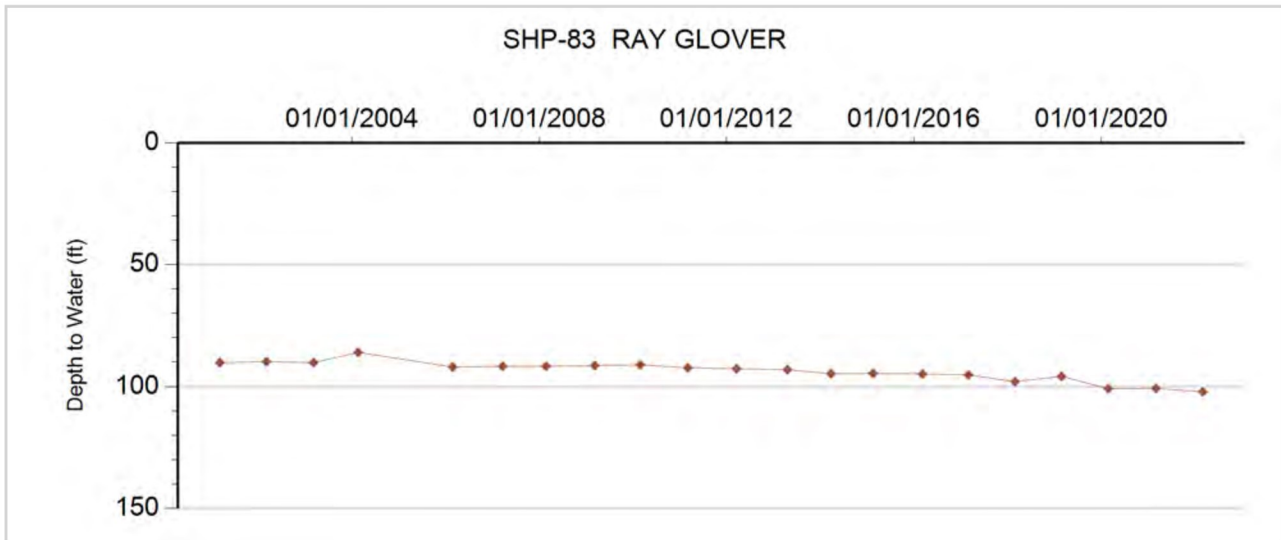
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 102.17 | 3777.83 | -1.37 |
| 03/04/2021 | 100.80 | 3779.20 | 0.10 |
| 02/25/2020 | 100.90 | 3779.10 | -5.08 |
| 02/26/2019 | 95.82 | 3784.18 | 2.20 |
| 02/28/2018 | 98.02 | 3781.98 | -2.81 |
| 02/28/2017 | 95.21 | 3784.79 | -0.36 |
| 03/07/2016 | 94.85 | 3785.15 | -0.23 |
| 02/17/2015 | 94.62 | 3785.38 | 0.12 |
| 03/26/2014 | 94.74 | 3785.26 | -1.64 |
| 04/20/2013 | 93.10 | 3786.90 | -0.40 |

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: 03/04/2022
 Number of Measurements: 21





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

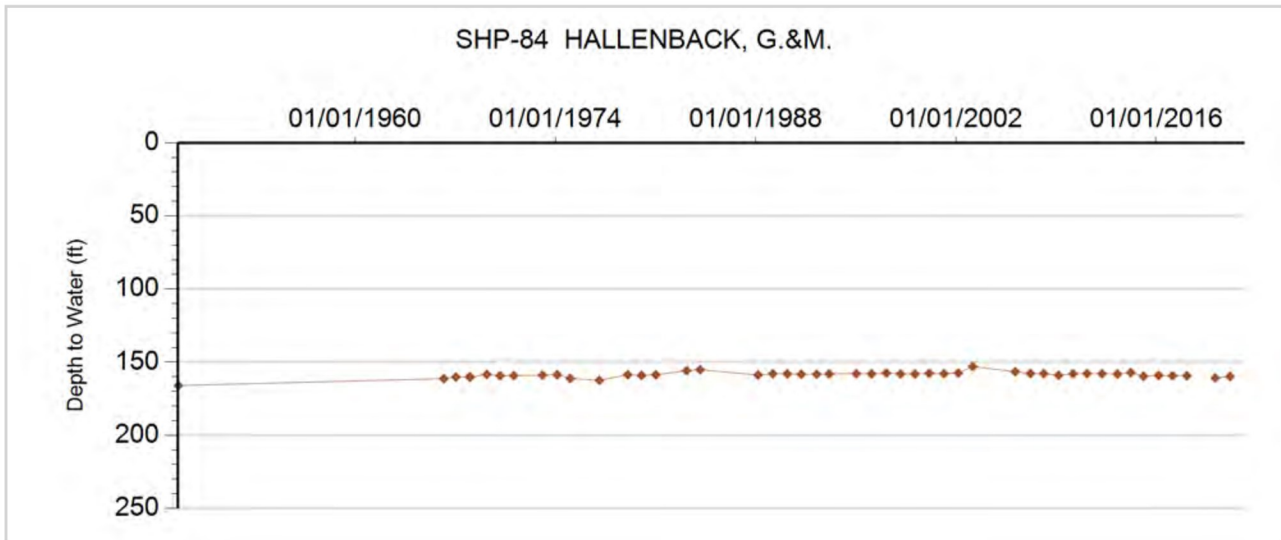
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | | | |
| 03/04/2021 | 159.85 | 3945.05 | 0.99 |
| 02/25/2020 | 160.84 | 3944.06 | |
| 02/26/2019 | | | |
| 02/27/2018 | 159.28 | 3945.62 | 0.01 |
| 02/28/2017 | 159.29 | 3945.61 | -0.20 |
| 03/07/2016 | 159.09 | 3945.81 | 0.54 |
| 02/17/2015 | 159.63 | 3945.27 | -2.47 |
| 03/26/2014 | 157.16 | 3947.74 | 1.04 |
| 04/20/2013 | 158.20 | 3946.70 | -0.30 |

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: 03/04/2022
 Number of Measurements: 49





GROUNDWATER DETAILS

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

Permit Number: 10763-

WDID:

Data Source: DWR

Location Number: SC03504603DC

USGS Site ID:

Applicant/Contact: DIXON, WM.J.

Physical Location

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

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

Ten Most Recent Readings

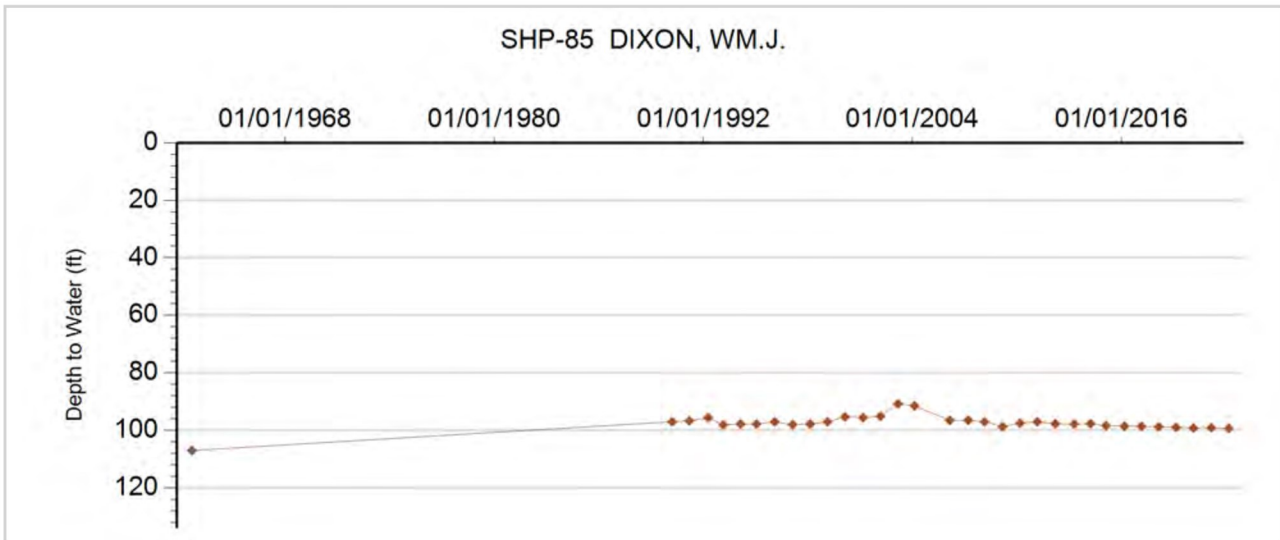
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/04/2022 | 99.34 | 4095.66 | -0.25 |
| 03/04/2021 | 99.09 | 4095.91 | 0.10 |
| 02/25/2020 | 99.19 | 4095.81 | -0.23 |
| 02/26/2019 | 98.96 | 4096.04 | -0.21 |
| 02/27/2018 | 98.75 | 4096.25 | -0.13 |
| 02/28/2017 | 98.62 | 4096.38 | -0.09 |
| 03/07/2016 | 98.53 | 4096.47 | -0.15 |
| 02/17/2015 | 98.38 | 4096.62 | -0.70 |
| 03/26/2014 | 97.68 | 4097.32 | 0.12 |
| 04/20/2013 | 97.80 | 4097.20 | -0.10 |

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: 03/04/2022
 Number of Measurements: 33





GROUNDWATER DETAILS

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

Permit Number: 5650-F

WDID:

Data Source: DWR

Location Number: SC03505003AAC

USGS Site ID:

Applicant/Contact: WELBORN,J.M.

Physical Location

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

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

Ten Most Recent Readings

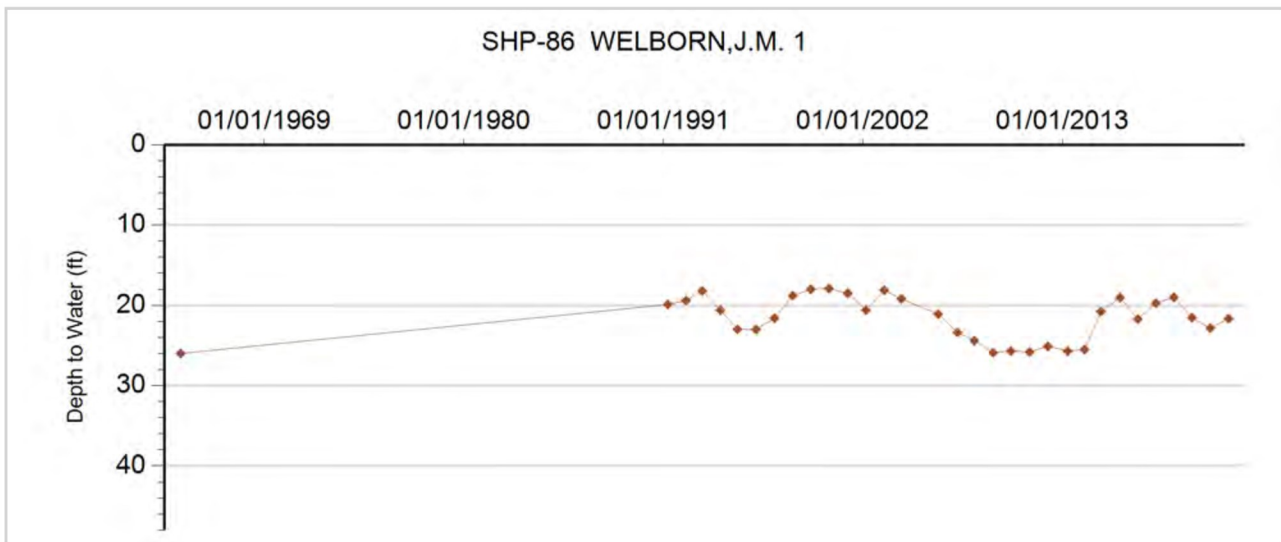
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/03/2022 | 21.66 | 4448.34 | 1.17 |
| 03/03/2021 | 22.83 | 4447.17 | -1.29 |
| 02/24/2020 | 21.54 | 4448.46 | -2.53 |
| 02/25/2019 | 19.01 | 4450.99 | 0.72 |
| 02/26/2018 | 19.73 | 4450.27 | 2.00 |
| 02/27/2017 | 21.73 | 4448.27 | -2.68 |
| 03/07/2016 | 19.05 | 4450.95 | 1.73 |
| 02/17/2015 | 20.78 | 4449.22 | 4.73 |
| 03/26/2014 | 25.51 | 4444.49 | 0.19 |
| 04/20/2013 | 25.70 | 4444.30 | -0.60 |

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: 03/03/2022
 Number of Measurements: 32





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

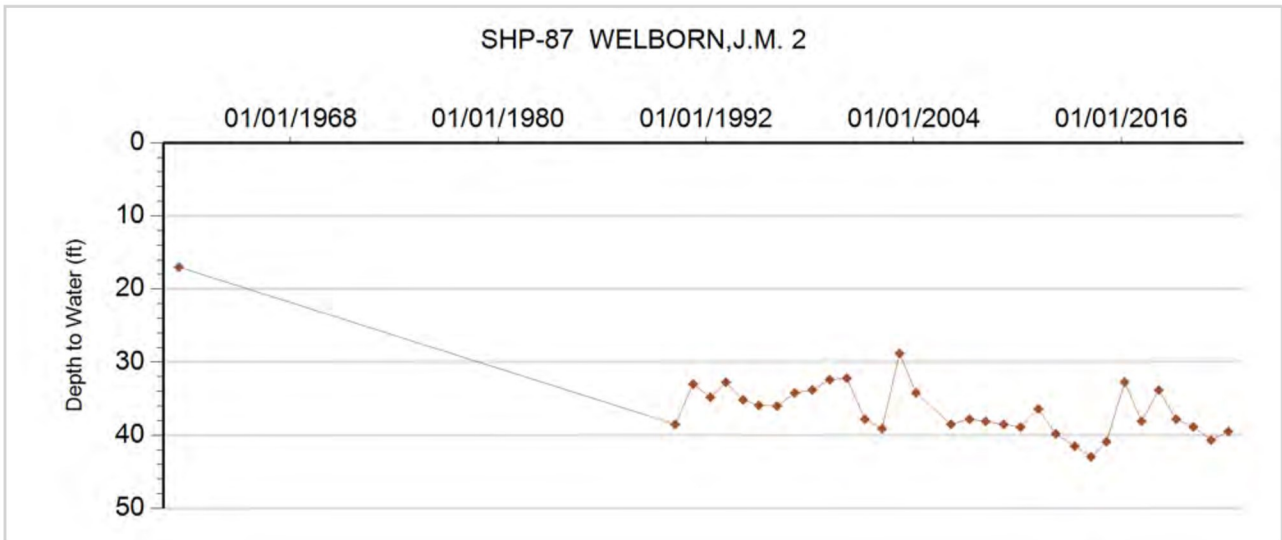
| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/03/2022 | 39.48 | 4371.52 | 1.19 |
| 03/03/2021 | 40.67 | 4370.33 | -1.82 |
| 02/24/2020 | 38.85 | 4372.15 | -1.05 |
| 02/25/2019 | 37.80 | 4373.20 | -3.99 |
| 02/26/2018 | 33.81 | 4377.19 | 4.27 |
| 02/27/2017 | 38.08 | 4372.92 | -5.35 |
| 03/07/2016 | 32.73 | 4378.27 | 8.16 |
| 02/17/2015 | 40.89 | 4370.11 | 2.06 |
| 03/26/2014 | 42.95 | 4368.05 | -1.45 |
| 04/20/2013 | 41.50 | 4369.50 | -1.70 |

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: 03/03/2022
 Number of Measurements: 33





GROUNDWATER DETAILS

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

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

Physical Location

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

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

Ten Most Recent Readings

| Date | Depth to Water Feet Below Land Surface | Elevation of Water (ft) | Change From Previous Measure (ft) |
|------------|--|-------------------------|-----------------------------------|
| 03/03/2022 | 36.82 | 4373.18 | 3.07 |
| 03/03/2021 | 39.89 | 4370.11 | -3.51 |
| 02/24/2020 | 36.38 | 4373.62 | -1.04 |
| 02/25/2019 | 35.34 | 4374.66 | -3.85 |
| 02/26/2018 | 31.49 | 4378.51 | 4.52 |
| 02/27/2017 | 36.01 | 4373.99 | -5.69 |
| 03/07/2016 | 30.32 | 4379.68 | 6.04 |
| 02/17/2015 | 36.36 | 4373.64 | 5.43 |
| 03/26/2014 | 41.79 | 4368.21 | -3.79 |
| 04/20/2013 | 38.00 | 4372.00 | -1.70 |

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: 03/03/2022
 Number of Measurements: 33

