GROUNDWATER LEVELS in the UPPER BLACK SQUIRREL CREEK DESIGNATED GROUND WATER BASIN 2018



by Andrew D. Flor



# **COLORADO** Division of Water Resources

Department of Natural Resources

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#### UPPER BLACK SQUIRREL CREEK DESIGNATED GROUND WATER BASIN 2018

This report contains basic data concerning the depth to and elevation of groundwater in the Upper Black Squirrel Creek Designated Basin collected in early April 2018. Acquisition and publication of this information is a cooperative effort between the well owners, Upper Black Squirrel Creek Ground Water Management District, and the Colorado Division of Water Resources. 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 water-level trends throughout the state.

The report contains water-level measurements from 35 wells. The locations of the wells and the extent of the alluvial aquifer are shown on the following map. Water-level measurements for 27 wells were recorded in early April 2018. Depth to groundwater below ground surface ranged from 6 to 145 feet. A water level in excess of 100 feet deep was only measured at one location: BS-SLB4.

The wells in this report are listed by well name in numerical order. Tabular data are presented for each well for the previous ten years while graphical data are presented for the entire period of record. Measurements for the full period of record may be accessed from the Division of Water Resources' HydroBase database. Wells lacking measurements in the past 10 years have been removed from the monitoring program and are no longer included in this publication. A map depicting water-table contours for January 2008 is included to give the user a sense of groundwater flow directions in the alluvial aquifer. This map is Plate 14 from the Colorado Geological Survey 2008 report on the basin.

Analyses of water-level changes in the aquifer are complicated by unknown pumping schedules. Overall, average groundwater levels at measured wells had virtually no change, 0.66 foot increase, from 2017. The largest decline of 1.53 feet was reported at well BS-13, while the greatest increase of 3.32 feet was reported at well BS-07. Basin-wide, average water levels in 2018 were within approximately 2 feet of the 5-year and 10-year comparisons, indicating relatively static water levels.

Copies of this report can be purchased from the Office of the State Engineer, Records Section, 1313 Sherman St., Room 821, Denver, CO 80203, (303) 866-3581. An electronic copy of this report, in Adobe PDF format, is available on the Division of Water Resources website: http://water.state.co.us/groundwater/Levels/Pages/HydroGeo.aspx

The direct link to the Upper Black Squirrel Publication Area on the CDSS webpage: <u>http://dnrweb.state.co.us/cdss/GroundWater/WaterLevels/Search?submitButton=Submit&SelectedPublicationAreaName=UPPER%20BLACK%20SQUIRREL&SelectedAquiferName=All</u>

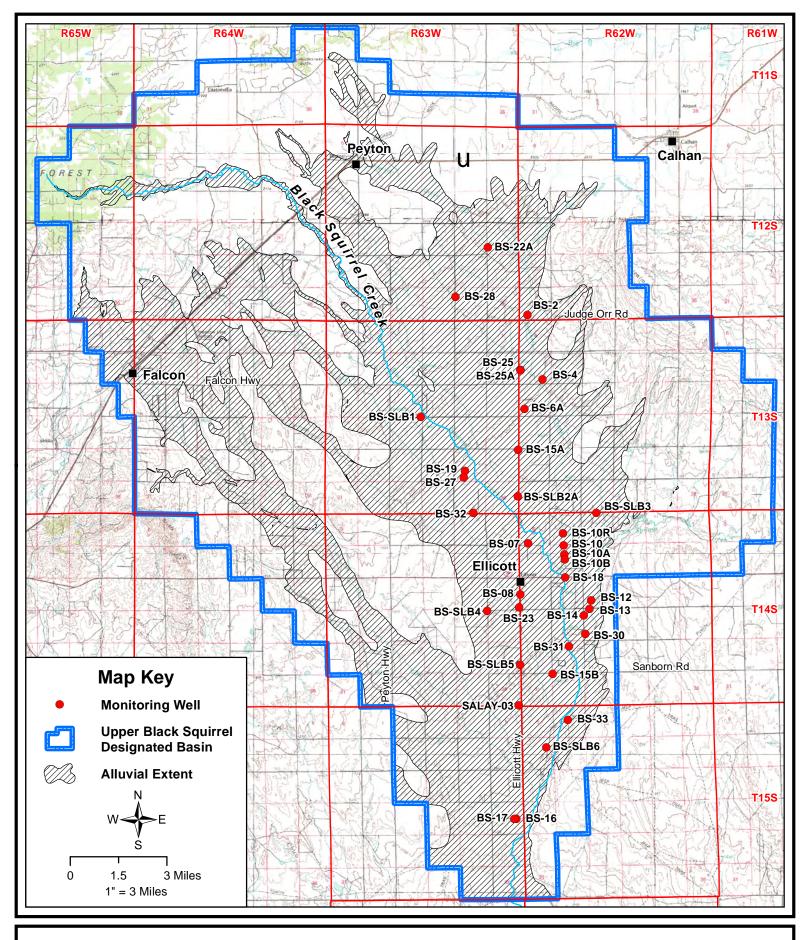
Additionally, all groundwater level data may be accessed and exported using the tools available on the Colorado Decision Support System: <u>http://dnrweb.state.co.us/cdss/GroundWater/GroundWaterSearch</u>

and the Colorado Information Marketplace HydroBase Bulk Data Exporter: <a href="https://data.colorado.gov/Information-Sharing/DWR-Well-Water-Level/hfwh-wsgi">https://data.colorado.gov/Information-Sharing/DWR-Well-Water-Level/hfwh-wsgi</a>

or the Colorado Decision Support System MapViewer http://water.state.co.us/DataMaps/GISandMaps/MapViewer/Pages/FAQ.aspx

If you have any questions regarding groundwater in the Upper Black Squirrel Creek Designated Ground Water Basin and the information in this report, please contact the Groundwater Information Desk at (303) 866-3587 or through AskDWR,

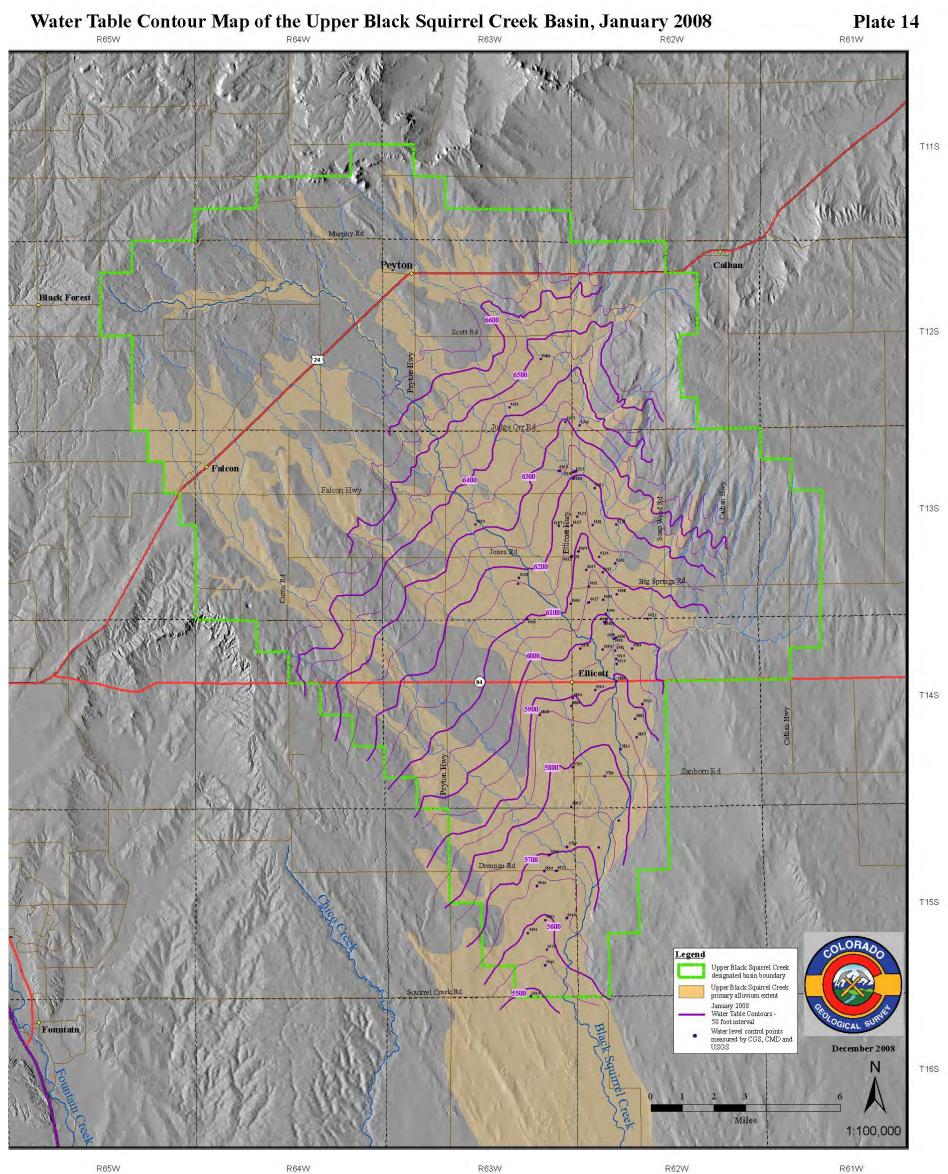
http://www.dwr.state.co.us/OnlineTools/AskDWR.aspx?topic\_num=31&office\_num=8



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State of Colorado -- Division of Water Resources Upper Black Squirrel Creek Designated Basin Monitoring Well Network Source: Topper, Ralf, 2008, Upper Black Squirrel Creek Basin Aquifer Recharge and Storage Evaluation: Colorado Geological Survey, prepared for El Paso County Water Authority.



R65W

R61W

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## **GROUNDWATER DETAILS**

Well Name:	BS-02
Permit Number:	13171- RFP-R
	KLL-K

WDID:

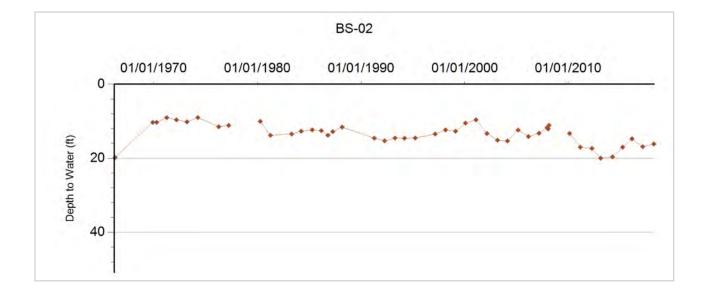
Data Source: DWR Location Number: SC01206231CD

**USGS Site ID:** 

Applicant/Contact: DAVE SNELLSTROM

#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UT	My	Loca	tion Accuracy
			SE	SW	31	12.0 S	62.0 W	S	553588.5	43 <sup>-</sup>	12108.7	GPS	
Division:	2		ict: 10	)			Ti	ne Ser	ies Data - Ten	Мо	st Recen	nt Rep	ortings
•	ed Basin: nent District			ACK SC	UIRRI	EL CREEK	D	ate	Depth to Wat Feet Below Land Surfac	1	Elevatio Water		Change From Previous Measure (ft)
Construc	tion Inforr	nation					04/02	2/2018	16	6.14	63	41.86	-0.73
Construc		nation					03/08	3/2017	16	6.87	63	41.13	2.13
Surface E	Elevation (ft	):			6	358.00	02/2	5/2016	14	.74	63	43.26	-2.26
Well Dep	th (ft):					51.00	04/0	1/2015	17	<b>'</b> .00	63	41.00	-2.63
Depth to	Base of Gro	out (ft):					04/0	9/2014	19	9.63	63	38.37	-0.35
Depth to	Top of Perf	orated (	Casing	(ft):			02/1	3/2013	19	9.98	63	38.02	2.64
•	Bottom of F			• • •			04/1	2/2012	17	<b>'</b> .34	63	40.66	0.32
Source A	quifer(s):	QUATE	RNAR	Y ALLU	IVIUM		02/2	3/2011	17	.02	63	40.98	3.72
Well Mea	surement	Summa	arv				02/1	7/2010	13	3.30	63	44.70	
	e: 04/15/19		End Dat	te: 04	/02/20	18	01/0	1/2009					
Number o	of Measurer	ments:	48										





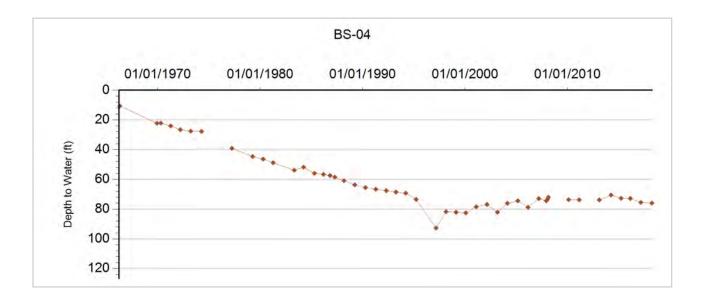
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## **GROUNDWATER DETAILS**

Well Name:BS-04Permit Number:6100-FWDID:DWR

Location Number: SC01306207DC USGS Site ID: Applicant/Contact: DEAN GOSS

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UT	My	Loca	tion Accuracy	
			SW	SE	7	13.0 S	62.0 W	S	554338.5 430		08902.7 GPS			
Division:	2		ict: 10	)			Tin	ne Ser	ies Data - Ten	n Mos	st Recen	nt Rep	ortings	
•	ed Basin: nent District			ACK SC	UIRRI	EL CREEK	Da	ite	Depth to Wa Feet Belov Land Surfa	N	Elevatio Water		Change From Previous Measure (ft)	
Construe	ction Inforr	nation					04/02	/2018	7	5.98	61	81.02	0.48	
Construc		nation					03/08	/2017	75	5.50	61	81.50	2.69	
Surface E	Elevation (ft	):			6	257.00	02/25	/2016	72	2.81	61	84.19	0.12	
Well Dep	th (ft):					127.00	04/01	/2015	72	2.69	61	84.31	2.14	
Depth to	Base of Gro	out (ft):					04/09	/2014	70	0.55	61	86.45	-3.28	
Depth to	Top of Perf	orated	Casing	(ft):			02/13	/2013	73	3.83	61	83.17		
•	Bottom of F			• • •			04/12	/2012						
Source A	quifer(s):	QUATE	RNAR	Y ALLU	IVIUM		02/28	/2011	73	3.75	61	83.25	0.11	
Well Mea	surement	Summa	arv				02/17	/2010	73	3.64	61	83.36		
	e: 04/15/1		End Da	te: 04	/02/20	18	01/01	/2009						
Number of	of Measurer	ments:	50											





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## **GROUNDWATER DETAILS**

Well Name:BS-06APermit Number:11091-FPWDID:DWR

Location Number: SC01306218CB USGS Site ID: Applicant/Contact: DEAN GOSS

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UT	My	Loca	tion Accuracy
			NW	SW	18	13.0 S	62.0 W	62.0 W S 553454.5 430		07440.7	GPS		
Division:	2	Distr	ict: 10	)			Tin	ne Ser	ies Data - Ten	Mo	st Recen	nt Rep	ortings
•	ed Basin: nent District			ACK SQ	UIRRE	EL CREEK	Da	te	Depth to Wa Feet Below Land Surfac	v	Elevatio Water		Change From Previous Measure (ft)
Construc	ction Inform	nation					02/13	/2013					
							04/12	/2012					
Surface E	Elevation (ft	):			62	250.00	02/28	/2011					
Well Dep	th (ft):					187.00	02/17	/2010	113	3.10	61	36.90	
Depth to	Base of Gro	out (ft):					01/01	/2009					
Depth to	Top of Perf	orated (	Casing	(ft):			02/21		122	2.02	61	27.98	4.12
•	Bottom of F			• • •			03/19	/2007	112	2.60	61	37.40	
Source A	quifer(s):	QUATE	RNAR	Y ALLU	VIUM		02/27	/2006					
Well Mea	surement	Summa	ary				03/01	/2005	116	6.26	61	33.74	-0.36
	e: 04/15/1		nd Da	te: 02	/13/20 <sup>/</sup>	13	02/19	/2004	116	6.62	61	33.38	2.42
Number of	of Measure	ments:	45										



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## **GROUNDWATER DETAILS**

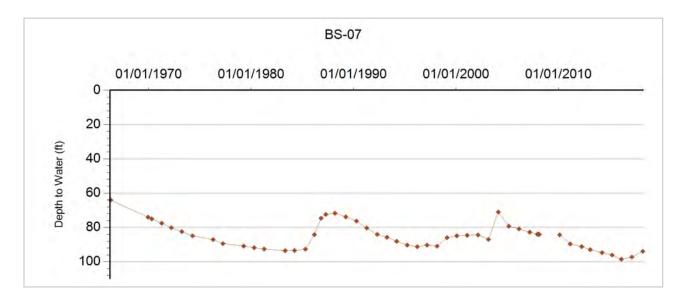
Well Name:BS-07Permit Number:17425-FWDID:DWR

Location Number: SC01406206CD USGS Site ID: Applicant/Contact: VERNON M JONES

#### **Physical Location**

Dist N/S Dist E/W Q10 Q40 Q1	60 Sec Township	Range PM	UTMx	UTMy	Location Accuracy
SW SE	6 14.0 S	62.0 W S	553621.5	4300725.7	GPS

Division: 2 District: 10	Time Ser	ies Data - Ten Mo	st Recent Rep	ortings
County: EL PASO Designated Basin: Management District:	Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
Construction Information	04/02/2018	93.87	5966.13	-3.32
	03/08/2017	97.19	5962.81	-1.34
Surface Elevation (ft): 6060.00	02/25/2016	98.53	5961.47	2.46
Well Depth (ft): 110.00	04/01/2015	96.07	5963.93	1.43
Depth to Base of Grout (ft):	04/09/2014	94.64	5965.36	1.72
Depth to Top of Perforated Casing (ft):	02/13/2013	92.92	5967.08	1.81
Depth to Bottom of Perforated Casing (ft):	04/12/2012	91.11	5968.89	1.52
Source Aquifer(s): QUATERNARY ALLUVIUM	02/28/2011	89.59	5970.41	5.33
Well Measurement Summary	02/17/2010	84.26	5975.74	
Start Date: 04/15/1966 End Date: 04/02/2018	01/01/2009			



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## **GROUNDWATER DETAILS**

Well Name: BS-08 Permit Number: 13673-FP WDID: Data Source: DWR

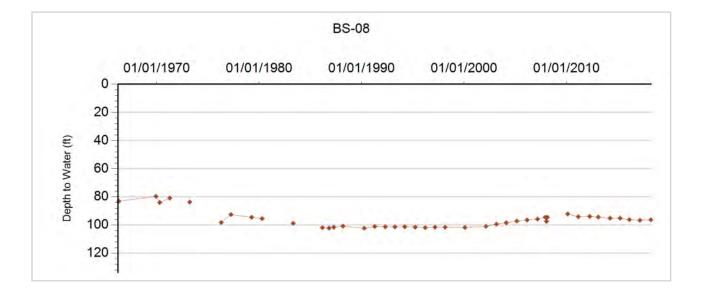
Location Number: SC01406218BC USGS Site ID: Applicant/Contact: ELLICOTT FIRE PROTECTION DISTRICT

#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTI	My	Locat	tion Accuracy
			SW	NW	18	14.0 S	62.0 W	S	553238.5	429	8189.7	GPS	
Division:	2		rict: 10	)			Tin	ne Ser	ies Data - Ten	Mos	st Recen	t Rep	ortings
•	ed Basin: nent Distric		ASO				Da	ite	Depth to Wa Feet Belov Land Surfa	v	Elevatio Water		Change From Previous Measure (ft)
Construe	ction Inform	motion					04/02	/2018	96	5.22	58	88.78	-0.35
Construc		nation					03/08	/2017	96	6.57	58	88.43	0.44
Surface E	Elevation (ft	:):			59	985.00	02/25	/2016	96	5.13	58	88.87	0.99
Well Dep	th (ft):					134.00	04/01	/2015	95	5.14	58	89.86	0.04
Depth to	Base of Gr	out (ft):					04/09	/2014	95	5.10	58	89.90	0.78
Depth to	Top of Perf	orated	Casing	(ft):			02/13	/2013	94	1.32	58	90.68	0.48
•	Bottom of F			• • •			04/13	/2012	93	3.84	58	91.16	-0.20
Source A	quifer(s):	QUATE	RNAR	Y ALLU	IVIUM		03/02	/2011	94	4.04	58	90.96	1.91
Well Mea	surement	Summ	ary				02/17	/2010	92	2.13	58	92.87	

01/01/2009

Start Date: 04/15/1966 End Date: 04/02/2018 Number of Measurements: 48



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## **GROUNDWATER DETAILS**

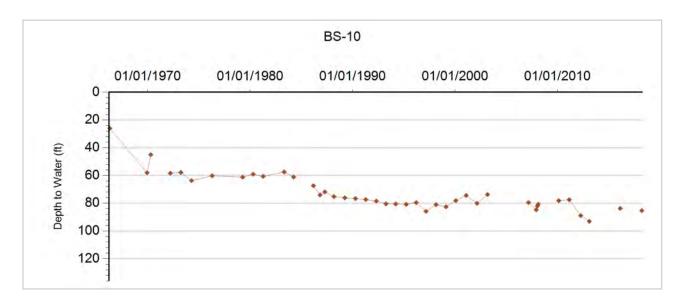
Well Name:BS-10Permit Number:20701-FPWDID:DWR

Location Number: SC01406208BA USGS Site ID: Applicant/Contact: RON GIESBRECHT

#### **Physical Location**

Dist N/S Dist I	E/W Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
		NW	NE	8	14.0 S	62.0 W	S	555391.5	4300622.7	GPS

Division: 2 District: 10	Time Ser	ies Data - Ten Mo	st Recent Rep	ortings
County: EL PASO Designated Basin: Management District:	Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
Construction Information	04/02/2018	85.29	5944.71	
	03/08/2017			
Surface Elevation (ft): 6030.00	02/26/2016	83.74	5946.26	
Well Depth (ft): 136.00	04/01/2015			
Depth to Base of Grout (ft):	04/09/2014			
Depth to Top of Perforated Casing (ft):	02/13/2013	93.02	5936.98	4.15
Depth to Bottom of Perforated Casing (ft):	04/12/2012	88.87	5941.13	11.39
Source Aquifer(s): QUATERNARY ALLUVIUM	03/02/2011	77.48	5952.52	-0.62
Well Measurement Summary	02/17/2010	78.10	5951.90	
Start Date: 04/15/1966 End Date: 04/02/2018	01/01/2009			



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## **GROUNDWATER DETAILS**

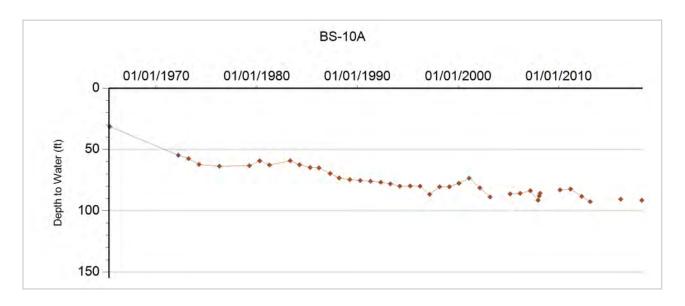
Well Name:BS-10APermit Number:27608-FPWDID:UWR

Location Number: SC01406208BD1 USGS Site ID: Applicant/Contact: RON GIESBRECHT

#### **Physical Location**

Dist N/S Dist	E/W Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
		SE	NW	8	14.0 S	62.0 W	S	555435.5	4300171.7	GPS

Division: 2 District: 10	Time Ser	ies Data - Ten Mo	st Recent Rep	ortings
County: EL PASO Designated Basin: Management District:	Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
Construction Information	04/02/2018	91.51	5908.49	
	03/08/2017			
Surface Elevation (ft): 6000.00	02/26/2016	90.60	5909.40	
Well Depth (ft): 155.00	04/01/2015			
Depth to Base of Grout (ft):	04/09/2014			
Depth to Top of Perforated Casing (ft):	02/13/2013	92.60	5907.40	4.27
Depth to Bottom of Perforated Casing (ft):	04/12/2012	88.33	5911.67	6.03
Source Aquifer(s): QUATERNARY ALLUVIUM	03/02/2011	82.30	5917.70	-0.69
Well Measurement Summary	02/17/2010	82.99	5917.01	
Start Date: 05/24/1965 End Date: 04/02/2018	01/01/2009			



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## **GROUNDWATER DETAILS**

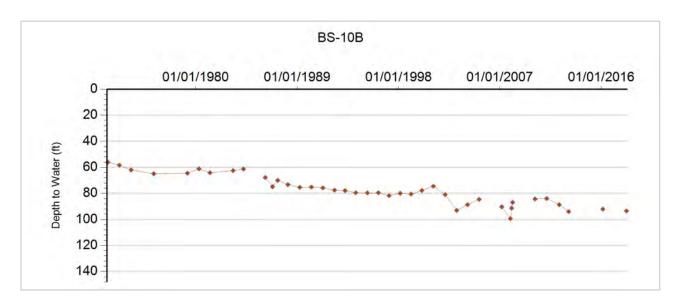
Well Name:BS-10BPermit Number:16010-FPWDID:DWR

Location Number: SC01406208BD2 USGS Site ID: Applicant/Contact: RON GIESBRECHT

#### **Physical Location**

Dist N/S Dist E	E/W Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
		SW	NW	8	14.0 S	62.0 W	S	555458.5	4299925.7	GPS

Division: 2 District: 10	Time Ser	ies Data - Ten Mo	st Recent Rep	ortings
County: EL PASO Designated Basin: Management District:	Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
Construction Information	04/02/2018	93.49	5906.51	
	03/08/2017			
Surface Elevation (ft): 6000.00	02/26/2016	92.05	5907.95	
Well Depth (ft): 148.00	04/01/2015			
Depth to Base of Grout (ft):	04/09/2014			
Depth to Top of Perforated Casing (ft):	02/13/2013	94.01	5905.99	5.33
Depth to Bottom of Perforated Casing (ft):	04/12/2012	88.68	5911.32	4.76
Source Aquifer(s): QUATERNARY ALLUVIUM	03/02/2011	83.92	5916.08	-0.37
Well Measurement Summary	02/17/2010	84.29	5915.71	
Start Date: 03/14/1972 End Date: 04/02/2018	01/01/2009			





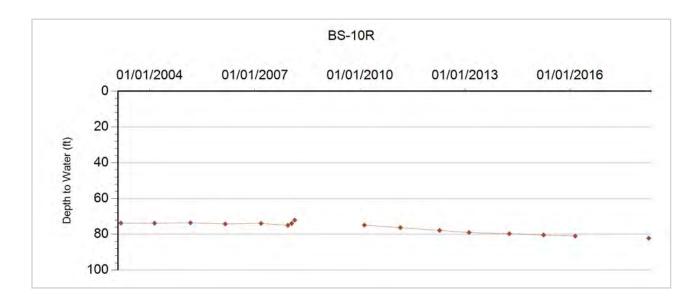
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## **GROUNDWATER DETAILS**

Well Name: BS-10R Permit Number: WDID: Data Source: DWR

Location Number: SC01406208CAD USGS Site ID: Applicant/Contact:

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UT	My	Loca	tion Accuracy
			NE	SW	8	14.0 S	62.0 W	S	555360.5	430	)1224.7	GPS	
Division:	2	Distr	ict: 10	)			Tim	e Ser	ies Data - Ter	n Mos	st Recer	nt Rep	ortings
County: Designate Managen	ed Basin: nent District	EL P.	ASO				Da	te	Depth to Wa Feet Belov Land Surfa	v	Elevatio Water		Change From Previous Measure (ft)
Construc	ction Inforr	nation					04/02/	2018	82	2.17	59	52.83	
							03/08/	2017					
Surface E	Elevation (ft	):			6	035.00	02/26/	2016	80	0.98	59	54.02	0.59
Well Dep	th (ft):						04/01/	2015	80	0.39	59	54.61	0.75
Depth to	Base of Gro	out (ft):					04/09/	2014	79	9.64	59	55.36	0.65
Depth to	Top of Perf	orated (	Casing	(ft):			02/13/	2013	78	3.99	59	56.01	1.20
•	Bottom of F			• • •			04/12/	2012	77	7.79	59	57.21	1.53
Source A	quifer(s):	QUATE	RNAR	Y ALLU	VIUM		02/28/	2011	70	6.26	59	58.74	1.41
Well Mea	surement	Summa	arv				02/17/	2010	74	4.85	59	60.15	
	e: 03/06/20		End Da	te: 04	/02/20	18	01/01/	2009					
Number of	of Measurer	ments:	18										



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## **GROUNDWATER DETAILS**

Well Name:BS-12Permit Number:2449-FPWDID:DWR

Location Number: SC01406216CA USGS Site ID: Applicant/Contact: LINDA & JOHN GLADDEN

#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx L	JTMy	Locat	tion Accuracy
			NE	SW	16	14.0 S	62.0 W	S	556766.5 4	297895.6	GPS	
Division:	2		ict: 10	)			Time	e Ser	ies Data - Ten N	ost Recen	it Rep	ortings
•	ed Basin: nent Distric	EL P	ASO				Dat	e	Depth to Water Feet Below Land Surface	Elevatio Water		Change From Previous Measure (ft)
Construe	ction Inform	nation					04/02/2	2018	35.1	0 59	04.90	
Construc		nation					03/08/2	2017				
Surface E	Elevation (ft	):			5	940.00	02/25/2	2016	30.8	6 59	09.14	-2.74
Well Dep	th (ft):					50.00	04/01/3	2015	33.6	0 50	06 40	-3 11

Well Depth (ft): Depth to Base of Grout (ft): Depth to Top of Perforated Casing (ft):

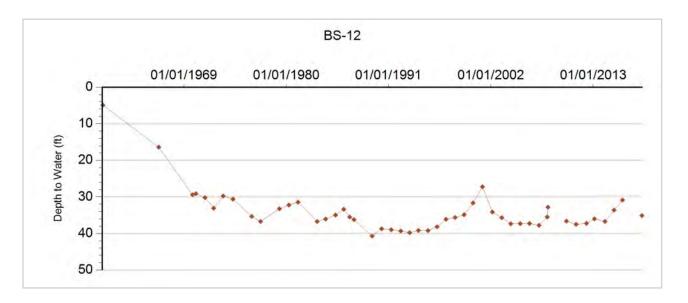
Depth to Bottom of Perforated Casing (ft):

Source Aquifer(s): QUATERNARY ALLUVIUM

#### **Well Measurement Summary**

Start Date: 04/15/1960 End Date: 04/02/2018 Number of Measurements: 50

Date	Feet Below Land Surface	Water (ft)	Previous Measure (ft)
04/02/2018	35.10	5904.90	
03/08/2017			
02/25/2016	30.86	5909.14	-2.74
04/01/2015	33.60	5906.40	-3.11
04/09/2014	36.71	5903.29	0.69
02/19/2013	36.02	5903.98	-1.21
04/12/2012	37.23	5902.77	-0.26
03/02/2011	37.49	5902.51	0.87
02/17/2010	36.62	5903.38	
01/01/2009			



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## **GROUNDWATER DETAILS**

Well Name:BS-13Permit Number:3485-FPWDID:Data Source:DWR

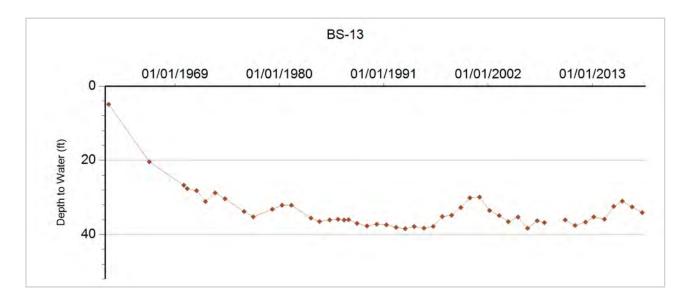
Location Number: SC01406221BA USGS Site ID: Applicant/Contact: RAYMOND LEWIS

#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTN	Мy	Locat	tion Accuracy
			NE	NW	21	14.0 S	62.0 W	S	556693.5	429	7459.6	GPS	
Division:	2	Distr	ict: 10	)			Tim	ie Ser	ies Data - Ter	n Mos	st Recen	t Rep	ortings
County: Designate Managen	ed Basin: nent District		ASO				Da	te	Depth to Wa Feet Below Land Surfa	w	Elevatio Water		Change From Previous Measure (ft)
Construc	ction Inforr	nation					04/02/	2018	3	4.09	58	85.91	1.53
Construc		nation					03/08/	2017	3	2.56	58	87.44	1.54
Surface E	Elevation (ft)	):			59	920.00	02/26/	2016	3	1.02	58	88.98	-1.41
Well Dep	th (ft):					52.00	04/01/	2015	3	2.43	58	87.57	-3.45
Depth to	Base of Gro	out (ft):					04/09/	2014	3	5.88	58	84.12	0.61
Depth to	Top of Perf	orated	Casing	(ft):			02/19/	2013		5.27	58	84.73	-1.40
	Bottom of F			• • •			04/12			6.67	58	83.33	-0.89
Source A	quifer(s):	QUATE	RNAR	Y ALLU	IVIUM		03/02			7.56		82.44	1.48
Well Mea	surement	Summa	ary				02/17/	2010	3	6.08	58	83.92	

01/01/2009

Start Date: 01/01/1962 End Date: 04/02/2018 Number of Measurements: 50





Department of Natural Resources

## **GROUNDWATER DETAILS**

Well Name: **BS-14 Permit Number:** WDID: Data Source: DWR

Location Number: SC01406221BB USGS Site ID: Applicant/Contact:

#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Loca	tion Accuracy
			NW	NW	21	14.0 S	62.0 W	S	556406.5	4297140.6	GPS	
Division:	2		ict: 10	)			Tim	e Ser	ies Data - Ter	n Most Rece	ent Rep	ortings
•	ed Basin: nent District	EL P.	ASO				Da	te	Depth to Wa Feet Below Land Surfa	w Wate		Change From Previous Measure (ft)
Construc	ction Inforr	nation					04/02/					
Surface E	Elevation (ft	):			59	925.00	03/08/	-	4(	0.70 5	884.30	-2.28
Well Dep	th (ft):					61.00	04/01/	2015	42	2.98 5	882.02	
Depth to	Base of Gro	out (ft):					04/10/	2014				
•	Top of Perf		•	<b>、</b> ,			02/19/	2013	4:	3.87 5	881.13	-0.93
•	Bottom of F			• • •			04/13/	2012	44	4.80 5	880.20	-0.22
Source A	quifer(s):	QUATE	RNAR	Y ALLU	MUIVI		03/02/	2011	4	5.02 5	879.98	0.69
Well Mea	surement	Summa	arv				02/17/	2010	44	4.33 5	880.67	

01/01/2009

#### Well Measurement Summary

Start Date: 01/01/1956 End Date: 04/02/2018 Number of Measurements: 51



**Division of Water Resources** 

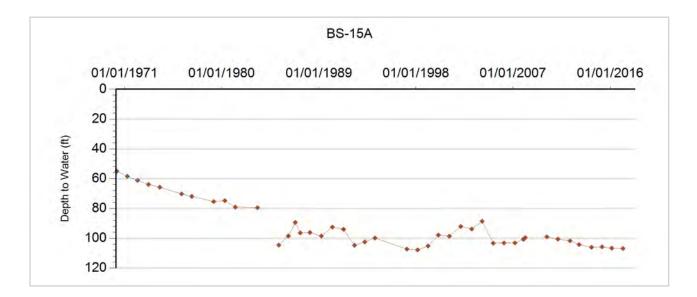
Department of Natural Resources

## **GROUNDWATER DETAILS**

Well Name:BS-15APermit Number:11799-FPWDID:DWR

Location Number: SC01306325AA USGS Site ID: Applicant/Contact:

NE 10 LACK SC	25	13.0 S	63.0 W Tim	S e Ser	553138.5 ies Data - Ten		393.7 GPS	
			Tim	e Ser	ies Data - Ten	Most	Popont Pon	
						moor	кесет кер	ortings
	UIRRE	EL CREEK	Dat	te	Depth to Wa Feet Below Land Surfa	<b>,</b>	Elevation of Water (ft)	Change From Previous Measure (ft)
			04/02/2	2018				
			03/08/	2017	106	6.89	6093.11	0.2
	62	200.00	02/25/	2016	106	6.61	6093.39	0.8
	1	20.00	04/01/2	2015	105	5.76	6094.24	-0.24
			04/09/2	2014	106	6.00	6094.00	1.80
• • •			02/13/2	2013	104	1.20	6095.80	2.50
• • •			04/12/2	2012	101	.70	6098.30	1.16
RY ALLU	IVIUM		02/28/2	2011	100	).54	6099.46	1.5
			02/17/2	2010	99	9.03	6100.97	
Date: 04	/02/201	18	01/01/2	2009				
- -	ARY ALLU	ng (ft): asing (ft): ARY ALLUVIUM	asing (ft): ARY ALLUVIUM	6200.00 120.00 02/25/2 02/25/2 04/09/2 04/09/2 02/13/2 02/13/2 02/13/2 02/13/2 02/28/2 02/28/2 02/27/2 02/28/2 02/17/2 04/01/2 02/28/2 02/25/2 02/25/2 04/01/2 02/25/2 04/01/2 02/25/2 04/01/2 02/25/2 04/01/2 02/25/2 04/01/2 02/25/2 04/01/2 02/25/2 04/01/2 02/25/2 04/01/2 02/25/2 04/01/2 02/25/2 04/01/2 02/25/2 04/01/2 02/25/2 04/01/2 02/25/2 04/01/2 02/25/2 04/01/2 02/25/2 04/01/2 02/13/2 02/25/2 02/13/2 02/13/2 02/25/2 02/13/2 02/13/2 02/25/2 02/13/2 02/13/2 02/13/2 02/12/2 02/13/2 02/12/2 02/1	120.00 120.00 02/23/2018 04/01/2015 04/09/2014 02/13/2013 04/12/2012 02/28/2011 02/17/2010 04/01/2015	6200.00 120.00 120.00 ng (ft): casing (ft): ARY ALLUVIUM 04/02/2018 03/08/2017 02/25/2016 04/01/2015 04/09/2014 02/13/2013 04/12/2012 04/	6200.00 120.00 ng (ft): casing (ft): ARY ALLUVIUM 04/02/2018 03/08/2017 02/25/2016 02/25/2016 04/09/2014 04/09/2014 02/13/2013 02/13/2013 02/13/2012 02/12/2012 02/17/2010 09.03 04/02/2018	04/02/2018 04/02/2018   03/08/2017 106.89 6093.11   02/25/2016 106.61 6093.39   120.00 04/01/2015 105.76 6094.24   04/09/2014 106.00 6094.24   04/09/2014 106.00 6095.80   casing (ft): 04/12/2012 101.70 6098.30   04/12/2012 100.54 6099.46   02/28/2011 100.54 6099.46   02/17/2010 99.03 6100.97



**Division of Water Resources** 

Department of Natural Resources

## **GROUNDWATER DETAILS**

Well Name:BS-15BPermit Number:20528-FPWDID:DWR

Location Number: SC01406232BB USGS Site ID: Applicant/Contact:

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTI	My	Loca	tion Accuracy
			NW	NW	32	14.0 S	62.0 W	S	554849.5	429	4218.7	GPS	
Division:	2	Distr	ict: 10	)			Tim	e Ser	ies Data - Ten	Mos	st Recen	nt Rep	ortings
County: Designate Managen	ed Basin: nent District	EL P	ASO				Dat	te	Depth to Wat Feet Below Land Surfac	/	Elevatio Water		Change From Previous Measure (ft)
Construe	ction Inforr	nation					04/02/2	2018	70	).52	57	89.48	-1.56
							03/08/	2017	72	2.08	57	87.92	-1.15
Surface E	Elevation (ft	):			5	860.00	02/26/2	2016	73	3.23	57	86.77	
Well Dep	th (ft):					120.00	04/01/2	2015					
Depth to	Base of Gro	out (ft):					04/10/2	2014					
Depth to	Top of Perf	orated	Casing	(ft):			02/19/2	2013	73	3.39	57	86.61	0.36
•	Bottom of F			• • •			04/13/2	2012	73	3.03	57	86.97	-0.17
Source A	quifer(s):	QUATE	RNAR	Y ALLU	IVIUM		03/02/2	2011	73	3.20	57	86.80	-0.37
Well Mea	surement	Summa	ary				02/17/2	2010	73	8.57	57	86.43	
	e: 04/07/1		End Da	te: 04	/02/20	18	01/01/2	2009					
Number o	of Measurer	ments:	42										





Department of Natural Resources

## **GROUNDWATER DETAILS**

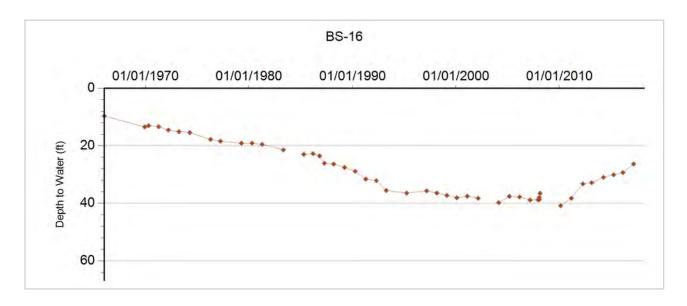
Well Name:BS-16Permit Number:2451-FPWDID:DWR

Location Number: SC01506324DA1 USGS Site ID: Applicant/Contact: JERRY FARMER

#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
			SE	NE	24	15.0 S	63.0 W	S	553039.4	4287005.7	GPS
	_								_		_
Division: 2 District: 10 Time Series Data - Ten Most Recent Reportings											it Reportings

	Blothour 10		loo Data Ton Mo		orange
County: Designated Basir Management Dis		Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
Construction Inf	formation	- 04/02/2018			
Construction	lormation	03/08/2017	26.36	5663.64	-2.98
Surface Elevation	n (ft): 5690.00	02/25/2016	29.34	5660.66	-0.75
Well Depth (ft):	67.00	04/01/2015	30.09	5659.91	-0.91
Depth to Base of	Grout (ft):	04/10/2014	31.00	5659.00	-1.87
• •	Perforated Casing (ft):	02/19/2013	32.87	5657.13	-0.39
	of Perforated Casing (ft):	04/13/2012	33.26	5656.74	-5.00
Source Aquiter(s)	): QUATERNARY ALLUVIUM	03/02/2011	38.26	5651.74	-2.58
Well Measureme	ent Summary	02/17/2010	40.84	5649.16	
Start Date: 01/0	•	01/01/2009			





Department of Natural Resources

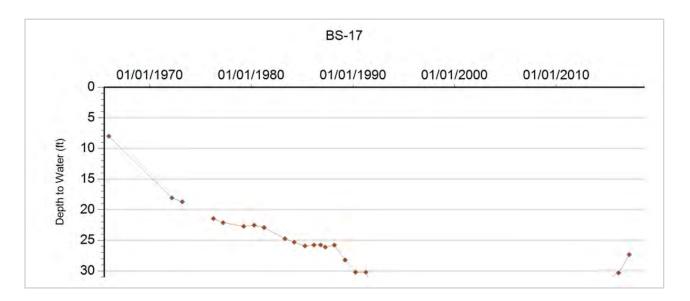
## **GROUNDWATER DETAILS**

Well Name:BS-17Permit Number:6494-FPWDID:DWR

Location Number: SC01506324DA2 USGS Site ID: Applicant/Contact: DANIEL FARMER

#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Ran	nge l	ΡМ	UTMx	UT	My	Loca	tion Accuracy
			NE	SE	24	15.0 S	63.0	W S	S	552948.0	42	36995.0	GPS	
Division: County: Designate	ed Basin:	EL P. UPPI			UIRRE	L CREEK		Time Date		ies Data - Ter Depth to Wa Feet Belov Land Surfa	iter N	st Recen Elevatio Water	on of	Change From Previous
Managen	nent District									Lanu Suna	ce			Measure (ft)
Construc	tion Inforr	nation					0	)4/02/20	)18					
							0	)3/08/20	)17	2	7.32	56	52.68	-2.98
Surface E	levation (ft	):			56	80.00	0	)2/25/20	)16	3	0.30	56	49.70	-0.86
Well Dep	th (ft):					31.00	0	)4/01/20	)15	3	1.16	56	48.84	-0.85
	Base of Gro	. ,					0	)4/10/20	)14	3	2.01	56	47.99	-3.29
Depth to	Top of Perf	orated (	Casing	(ft):			0	)2/19/20	)13	3	5.30	56	44.70	0.44
•	Bottom of F			• • •			0	)4/13/2(	)12	3	4.86	56	45.14	-3.37
Source A	quifer(s):	QUATE	RNAR	Y ALLU	VIUM		0	)3/02/20	)11	3	8.23	56	41.77	-1.72
Well Mea	surement	Summa	ary				0	)2/17/20	010	3	9.95	56	40.05	
Start Date	8	0	01/01/20	009										





Department of Natural Resources

## **GROUNDWATER DETAILS**

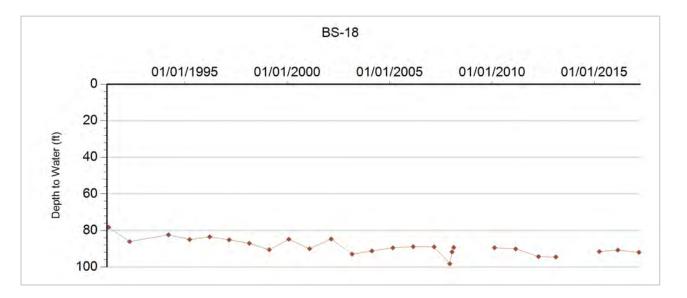
Well Name: BS-18 Permit Number: WDID: Data Source: DWR

Location Number: SC01406217AB USGS Site ID: Applicant/Contact: BILL KING

#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTI	My	Loca	tion Accuracy
			NW	NE	17	14.0 S	62.0 W	S	555477.5	429	9033.7	GPS	
Division: County: Designate Managen		EL P/	ict: 10 ASO	I			Tim Da		ies Data - Ten Depth to War Feet Below Land Surfac	ter /	st Recen Elevatic Water	on of	ortings Change From Previous Measure (ft)
Construi	tion Inforr	notion					03/08/	/2017	91	.92	58	58.08	1.19
Construc		nation					02/26	/2016	90	).73	58	59.27	-0.78
Surface E	Elevation (ft	):			59	950.00	04/01/	/2015	91	.51	58	58.49	
Well Dep	th (ft):					100.00	04/09/	/2014					
Depth to	Base of Gro	out (ft):					02/13/	/2013	94	1.45	58	55.55	0.20
Depth to	Top of Perf	orated (	Casing	(ft):			04/12	/2012	94	1.25	58	55.75	4.19
Depth to	Bottom of F	Perforate	ed Cas	ing (ft):			03/02	/2011	90	).06	58	59.94	0.66
Source A	quifer(s):	QUATE	RNAR	Y ALLU	VIUM		02/17/			9.40		60.60	
Well Mea	surement	Summa	arv				01/01/	/2009					
	e: 04/15/1		ind Dat	e: 03	/08/20	17	02/21/	2008	89	9.28	58	60.72	-2.42

Start Date: 04/15/1991 End Date: 03/08/2017 Number of Measurements: 28





Department of Natural Resources

## **GROUNDWATER DETAILS**

Well Name:BS-19Permit Number:27567-FWDID:DWR

Location Number: SC01306326CA USGS Site ID: Applicant/Contact: DEAN GOSS

#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTN	Лy	Loca	tion Accuracy
			NE	SW	26	13.0 S	63.0 W	S	550486.5	430	4334.8	GPS	
Division:	2	Distr	ict: 10	)			Tim	e Ser	ies Data - Ten	Mos	st Recen	nt Rep	ortings
•	ed Basin: nent District	EL P.	ASO				Da	te	Depth to Wat Feet Below Land Surfac	1	Elevatio Water		Change From Previous Measure (ft)
Construe	ction Inforr	nation					04/02/	2018	62	2.98	61	57.02	-1.96
							03/08/	2017	64	.94	61	55.06	-1.21
Surface E	Elevation (ft	):			62	220.00	02/25/	2016	66	6.15	61	53.85	-0.30
Well Dep	th (ft):					36.00	04/01/	2015	66	6.45	61	53.55	-0.61
Depth to	Base of Gro	out (ft):					04/09/	2014	67	<i>.</i> 06	61	52.94	1.40
Depth to	Top of Perf	orated	Casing	(ft):			02/13/	2013	65	5.66	61	54.34	2.51
•	Bottom of F			• • •			04/12/	2012	63	3.15	61	56.85	-4.16
Source A	quifer(s):	QUATE	RNAR	Y ALLU	VIUM		02/28/	2011	67	'.31	61	52.69	-1.67
Well Mea	surement	Summa	ary				02/17/	2010	68	8.98	61	51.02	
	e: 03/04/1		End Dat	te: 04	/02/20	18	01/01/	2009					
Number of	of Measurer	ments:	23										

BS-19 01/01/2000 01/01/2004 01/01/2008 01/01/2012 01/01/2016 00 40 40 60 80 100 120 120

**Division of Water Resources** 

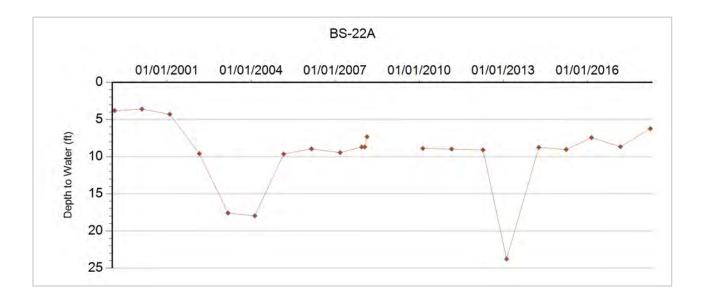
Department of Natural Resources

## **GROUNDWATER DETAILS**

Well Name:BS-22APermit Number:40767-WDID:DWR

Location Number: SC01206324CC USGS Site ID: Applicant/Contact: E N CASTANIEN

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTI	My	Loca	tion Accuracy
			SW	SW	24	12.0 S	63.0 W	S	551619.5	431	5474.8	GPS	
Division:	2	Distr	ict: 10	)			Tim	e Ser	ies Data - Ten	Mos	st Recen	t Rep	ortings
County: Designate Managen	ed Basin: nent Distric	EL P.	ASO				Dat	e	Depth to Wat Feet Below Land Surfac	/	Elevatio Water		Change From Previous Measure (ft)
Construe	ction Inform	nation					04/02/2	2018	6	5.23	64	84.77	-2.44
Construc		nation					03/08/2	2017	8	6.67	64	82.33	1.23
Surface E	Elevation (ft	):			64	491.00	02/25/	2016	7	.44	64	83.56	-1.60
Well Dep	th (ft):						04/01/2	2015	9	.04	64	81.96	0.29
Depth to	Base of Gro	out (ft):					04/09/2	2014	8	.75	64	82.25	-15.03
•	Top of Perf		•	. ,			02/13/2	2013	23	.78	64	67.22	14.68
•	Bottom of F			• • •			04/12/2	2012	9	.10	64	81.90	0.12
Source A	quifer(s):	QUATE	RNAR	Y ALLU	VIUM		02/28/	2011	8	.98	64	82.02	0.09
Well Mea	surement	Summa	arv				02/17/2	2010	8	.89	64	82.11	
	e: 02/17/1		End Da	te: 04	/02/20	18	01/01/2	2009					
Number of	of Measure	ments:	22										



**Division of Water Resources** 

Department of Natural Resources

## **GROUNDWATER DETAILS**

Well Name: BS-23 Permit Number: 16516-WDID: Data Source: DWR

Location Number: SC01406324AA USGS Site ID: Applicant/Contact:

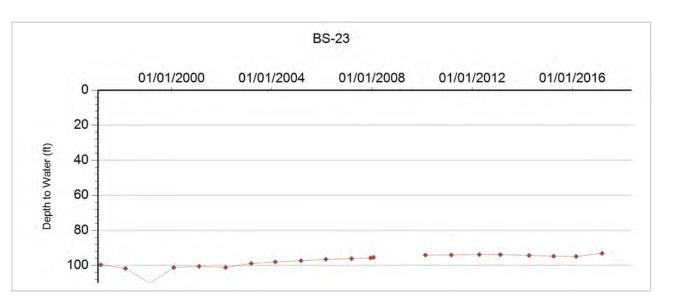
#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Loca	tion Accuracy
			NE	NE	32	14.0 S	63.0 W	S	553173.5	4297546	6.7 GPS	
Division:	2		ict: 10	)			Tim	e Ser	ies Data - Ten	Most Re	cent Rep	ortings
•	ed Basin: nent Distric	EL P.	ASO				Da	te	Depth to Wa Feet Below Land Surfac	v Wa	ation of ter (ft)	Change From Previous Measure (ft)
Construe	ction Inform	nation					04/02/	2018				
Construc		nation					03/08/	2017	93	3.08	5887.92	-1.78
Surface E	Elevation (ft	):			59	81.00	02/25/	2016	94	1.86	5886.14	0.16
Well Dep	th (ft):				1	10.00	04/01/	2015	94	1.70	5886.30	0.43
Depth to	Base of Gro	out (ft):					04/09/	2014	94	1.27	5886.73	0.44
Depth to	Top of Perf	orated (	Casing	(ft):			02/13/	2013	93	3.83	5887.17	0.05
•	Bottom of F			• • •			04/13/		93	3.78	5887.22	-0.25
Source A	quifer(s):	QUATE	RNAR	Y ALLU	IVIUM		03/02/	2011	94	1.03	5886.97	-0.06
Well Mea	surement	Summa	arv				02/17/	2010	94	1.09	5886.91	

01/01/2009

#### Well Measurement Summary

Start Date: 03/04/1997 End Date: 04/02/2018 Number of Measurements: 23





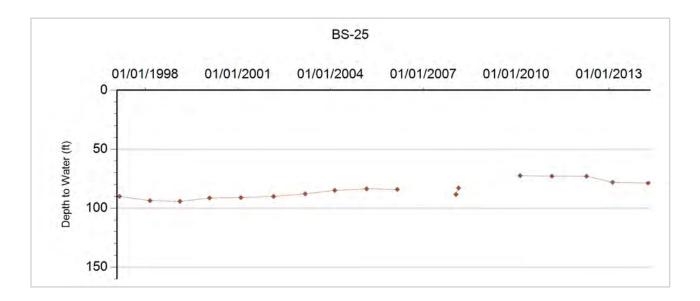
Department of Natural Resources

## **GROUNDWATER DETAILS**

Well Name:BS-25Permit Number:15389-FPWDID:UNR

Location Number: SC01306207CB USGS Site ID: Applicant/Contact: DEAN GOSS

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UT	My	Loca	tion Accuracy
			NW	SW	7	13.0 S	62.0 W	S	553250.5	430	9380.7	GPS	
Division:	2	Distri	ct: 10	)			Tir	ne Ser	ies Data - Ter	n Mos	st Recer	it Rep	ortings
County: Designate Managem	ed Basin: nent District			ACK SQ	UIRRE	L CREEK	Da	ite	Depth to Wa Feet Belov Land Surfa	N	Elevatio Water		Change From Previous Measure (ft)
Construc	tion Inform	nation					04/09	/2014	78	8.68	62	04.32	0.70
Construc		nation					02/13	/2013	7	7.98	62	05.02	5.06
Surface E	Elevation (ft)	):			62	83.00	04/12	/2012	7:	2.92	62	10.08	0.05
Well Dept	th (ft):				1	60.00	02/28	/2011	72	2.87	62	10.13	0.43
Depth to	Base of Gro	out (ft):					02/17	/2010	7:	2.44	62	10.56	
Depth to	Top of Perf	orated C	Casing	(ft):			01/01	/2009					
•	Bottom of F			• • •			02/21	/2008	82	2.87	62	00.13	-5.43
Source A	quifer(s):	QUATE	RNAR	Y ALLU	VIUM		03/19	/2007					
Well Mea	surement	Summa	ırv				02/27	/2006	84	4.08	61	98.92	0.49
	e: 03/04/19		nd Dat	:e: 04	/09/201	4	03/01/2005 83.59 6199.41					-1.30	
Number o	of Measurer	ments: 1	19										



**Division of Water Resources** 

Department of Natural Resources

## **GROUNDWATER DETAILS**

Well Name: BS-25A Permit Number: WDID: Data Source: DWR

Location Number: SC01306207CB USGS Site ID: Applicant/Contact:

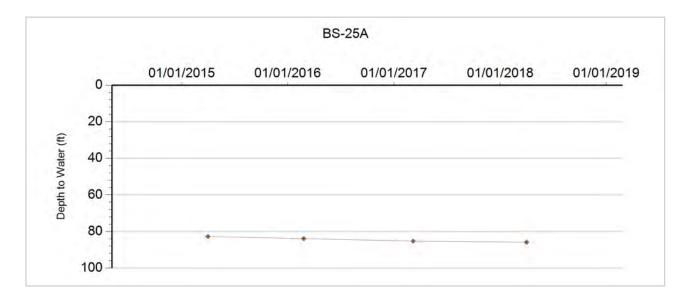
#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	JTMy	Loca	cation Accuracy	
2385 S	270 W		NW	SW	7	13.0 S	62.0 W	S	553245.0	4309341.0	GPS		
Division:	2		ict: 10	)			Tim	e Ser	ies Data - Ten N	lost Recer	nt Rep	ortings	
•	ed Basin: nent Distric	EL P	ASO				Da	te	Depth to Wate Feet Below Land Surface	Water		Change From Previous Measure (ft)	
Construe	ction Inform	nation					04/02/	2018	85.8	33 62	200.17	0.59	
Construc		nation					03/08/	2017	85.2	24 62	200.76	1.36	
Surface E	Elevation (ft	):			6	286.00	02/25/	2016	83.8	38 62	202.12	1.16	
Well Dep	th (ft):						04/01/	2015	82.	72 62	203.28		
Depth to	Base of Gro	out (ft):							1				
Depth to	Top of Perf	orated 0	Casing	(ft):									
Depth to	Bottom of F	Orforate	od Coe	ing (ft)									

Depth to Bottom of Perforated Casing (ft): Source Aquifer(s): QUATERNARY ALLUVIUM

#### **Well Measurement Summary**

Start Date: 04/01/2015 End Date: 04/02/2018 Number of Measurements: 4



**Division of Water Resources** 

Department of Natural Resources

## **GROUNDWATER DETAILS**

Well Name:	BS-27
Permit Number:	27564-FP- R
WDID:	

Location Number: SC01306326CD

59.29

60.90

61.67

60.18

6158.71

6157.10

6156.33

6157.82

-1.61

-0.77

Data Source: DWR

USGS Site ID: Applicant/Contact: DEAN GOSS

#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Loca	tion Accuracy
			SE	SW	26	13.0 S	63.0 W	S	550427.0	4304024.0	GPS	
Division: County: Designate Managem	_	EL PA UPPE			UIRRE	L CREEK	Tim Dat		ies Data - Ten I Depth to Wate Feet Below Land Surface	er Elevatio Water	on of	ortings Change From Previous Measure (ft)
Construc	tion Inform	nation					04/09/2	2014	60.	85 61	57.15	
Construc												

04/12/2012

02/28/2011

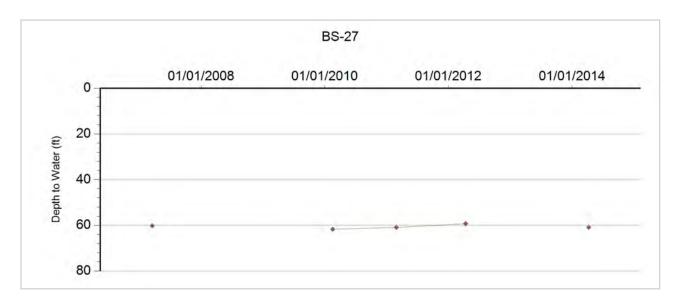
02/17/2010

01/01/2009 03/19/2007

Surface Elevation (ft):	6218.00
Well Depth (ft):	
Depth to Base of Grout (ft):	
Depth to Top of Perforated Casing (ft):	
Depth to Bottom of Perforated Casing (ft):	
Source Aquifer(s): QUATERNARY ALLUVIU	М

#### **Well Measurement Summary**

Start Date: 03/19/2007 End Date: 04/09/2014 Number of Measurements: 7



**Division of Water Resources** 

Department of Natural Resources

## **GROUNDWATER DETAILS**

Well Name:BS-28Permit Number:13962-FWDID:DWR

Location Number: SC01206335BB USGS Site ID: Applicant/Contact: ELDON BONTREGER

#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
			NW	NW	35	12.0 S	63.0 W	S	550007.0	4313012.0	GPS
Division:	2	Dictr	ict: 10	h			Tim	o Sor	ian Data Tan	Most Booor	t Poportingo
	Z			)			1 111	le Ser	ies Data - Ten	wost Recei	it Reportings
County:		EL P	ASO				Da	te	Depth to Wat	er Elevati	on of Change From
Designat	ed Basin:								Feet Below		<b>U</b>
Managen	nent Distric	t:							Land Surfac	e	Measure (ft

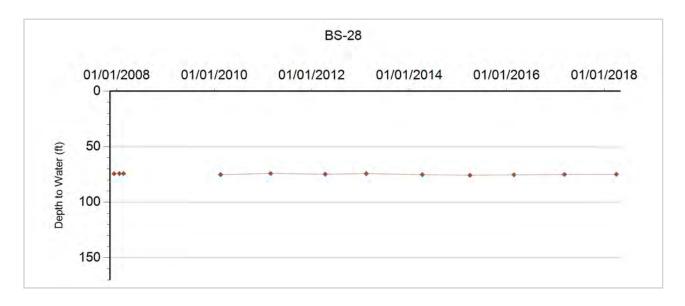
#### **Construction Information**

Surface Elevation (ft):	6492.00
Well Depth (ft):	170.00
Depth to Base of Grout (ft):	
Depth to Top of Perforated Casing (ft):	90
Depth to Bottom of Perforated Casing (ft):	170
Source Aquifer(s): QUATERNARY ALLUVIU	М

#### **Well Measurement Summary**

Start Date: 12/12/2007 End Date: 04/02/2018 Number of Measurements: 13

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
04/02/2018	74.81	6417.19	-0.13
03/08/2017	74.94	6417.06	-0.36
02/25/2016	75.30	6416.70	-0.38
04/01/2015	75.68	6416.32	0.58
04/09/2014	75.10	6416.90	0.87
02/13/2013	74.23	6417.77	-0.49
04/12/2012	74.72	6417.28	0.63
02/28/2011	74.09	6417.91	-1.00
02/17/2010	75.09	6416.91	
01/01/2009			



**Division of Water Resources** 

Department of Natural Resources

## **GROUNDWATER DETAILS**

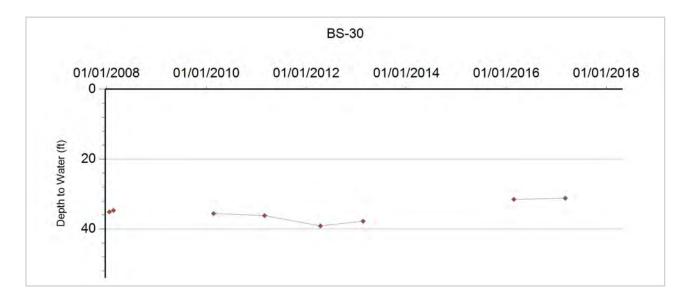
Well Name:BS-30Permit Number:27553-FWDID:DWR

Location Number: SC01406221CC USGS Site ID: Applicant/Contact: GEORGE & TED SCHUBERT

#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Ran	ge	PM	UTMx	UT	Му	Loca	tion Accuracy
			SW	SW	21	14.0 S	62.0	) W	S	556479.0	42	96203.0	GPS	
Division: County:		EL P						Time Date		ies Data - Ter Depth to Wa		st Recen Elevatio	-	ortings Change From
Designate Managem	ed Basin: nent District		ER BLA	ACK SC	UIRRE	L CREEK				Feet Below Land Surfa	-	Water	(ft)	Previous Measure (ft)
Construc	tion Inforr	nation					0	4/02/20	018					
Construct		nation					0	3/08/20	017	3	1.18	58	66.82	-0.33
Surface E	Elevation (ft	):			58	398.00	0	2/26/20	016	3	1.51	58	66.49	
Well Dept	th (ft):					54.00	04	4/01/20	015					
Depth to I	Base of Gro	out (ft):					0	4/10/20	)14					
Depth to	Top of Perf	orated C	Casing	(ft):		15		2/19/20		3	7.76	58	60.24	-1.34
Depth to I	Bottom of F	Perforate	ed Cas	ing (ft):		54		4/13/20			9.10		58.90	
Source A	quifer(s):	QUATE	RNAR	Y ALLU	IVIUM			3/02/20			6.14		61.86	
Well Mea	surement	Summa	arv				0	2/23/20	010		5.56		62.44	
	e: 01/22/20		ind Dat	te: 04	/02/201	8	0	1/01/20	009					

Start Date: 01/22/2008 End Date: 04/02/2018 Number of Measurements: 12



**Division of Water Resources** 

Department of Natural Resources

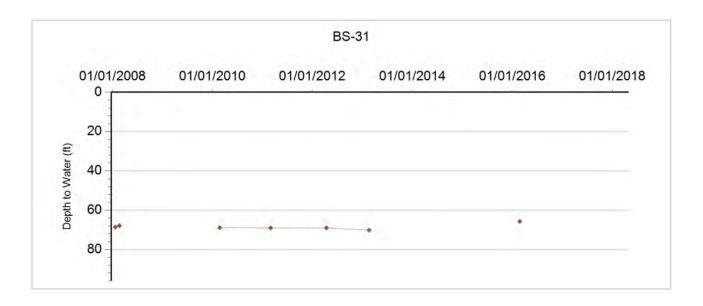
## **GROUNDWATER DETAILS**

Well Name:BS-31Permit Number:6970-FPWDID:Data Source:DWR

Number of Measurements: 12

Location Number: SC01406229AB USGS Site ID: Applicant/Contact: GEORGE & TED SCHUBERT

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Ra	ange	PM	UTMx	UT	My	Loca	tion Accuracy
			NW	NE	29	14.0 S	62	2.0 W	S	555675.0	429	95579.0	GPS	
•	2 ed Basin: nent District	EL P. UPPI			QUIRRE	EL CREEK		Tim Da		ies Data - Ter Depth to Wa Feet Belov Land Surfa	ter v	st Recer Elevatio Water	on of	ortings Change From Previous Measure (ft)
Construe	ction Inforr	nation						04/02/ 03/08/						
	Elevation (ft	):			58	378.00		02/25/	-	6	5.71	58	12.29	
Well Dep	· · /					96.00		04/01/	2015					
•	Base of Gro	• • •						04/10/	2014					
•	Top of Perf		-	. ,		56		02/19/	2013	7	0.15	58	07.85	1.13
•	Bottom of F			• • •		96		04/13/	2012	6	9.02	58	08.98	-0.02
Source A	quifer(s):	QUATE	RNAR	Y ALLU	IVIUM			03/02/	2011	6	9.04	58	08.96	0.17
Well Mea	asurement	Summa	ary					02/23/	2010	6	8.87	58	09.13	
	e: 01/22/20		Ind Dat	e: 04	/02/20 <sup>-</sup>	18		01/01/	2009					





Department of Natural Resources

## **GROUNDWATER DETAILS**

Well Name:BS-32Permit Number:6055-FPWDID:DWR

Location Number: SC01306335DC USGS Site ID: Applicant/Contact: SPRINGS EAST AIRPORT, INC

6092.72

0.90

49.28

#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
			SW	SE	35	13.0 S	63.0 W	S	550905.0	4302231.0	GPS
Division <sup>.</sup>	2	Distri	ct <sup>.</sup> 10				Tim	- Seri	es Data - Ten	Most Recer	at Reportings

Division: 2 District: 10		Time Series Data - Ten Most Recent Reportings							
County: EL PASO Designated Basin: Management District:		Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)				
Construction Information		04/02/2018	47.78	6094.22	-2.97				
		03/08/2017	50.75	6091.25	0.87				
Surface Elevation (ft): 61	42.00	02/25/2016	49.88	6092.12	-1.05				
Well Depth (ft): 1	59.00	04/01/2015	50.93	6091.07	-2.07				
Depth to Base of Grout (ft):		03/05/2014	53.00	6089.00	1.87				
Depth to Top of Perforated Casing (ft):	99	01/07/2014	51.13	6090.87	0.00				
Depth to Bottom of Perforated Casing (ft):	159	11/07/2013	51.13	6090.87	1.33				
Source Aquifer(s): QUATERNARY ALLUVIUM		02/13/2013	49.80	6092.20	0.63				
Well Measurement Summary	-	04/12/2012	49.17	6092.83	-0.11				

02/28/2011

Start Date: 01/22/2008 End Date: 04/02/2018 Number of Measurements: 14



**Division of Water Resources** 

Department of Natural Resources

## **GROUNDWATER DETAILS**

Well Name:BS-33Permit Number:58166-WDID:DWR

Location Number: SC01506205BDD USGS Site ID: Applicant/Contact: BOHART RANCH

26.16

27.66

29.01

29.27

28.15

28.05

30.95

5763.84

5762.34

5760.99

5760.73

5761.85

5761.95

5759.05

-1.50

-1.35

-0.26

1.12

0.10

-2.90

#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx L	JTMy	Loca	tion Accuracy
		SE	SE	NW	5	15.0 S	62.0 W	S	555605.2 4	291926.6	GPS	
Division:	2		ct: 10				Tim	e Ser	ies Data - Ten N	lost Recer	it Rep	ortings
County:		EL PA					Da	te	Depth to Water			Change From
Designate Managerr	ent District		R BLA	ICK SG	UIRRE	L CREEK			Feet Below Land Surface	Water	(ft)	Previous Measure (ft)
Construc	tion Inforr	nation					04/02/	2018	26.7	0 57	63.30	-0.58
Constitut		nation					03/08/	2017	27.2	8 57	62.72	1.12

02/25/2016

04/01/2015

04/10/2014

02/19/2013

05/30/2008

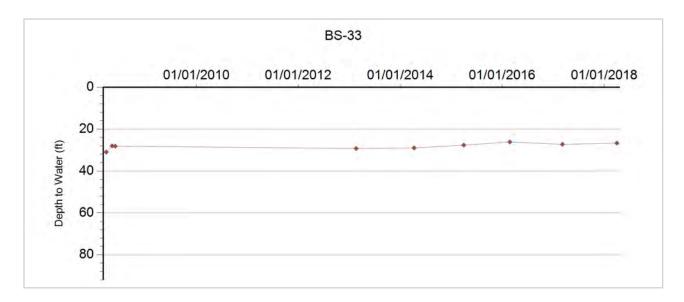
05/08/2008

03/27/2008

Surface Elevation (f	it):	5790.00
Well Depth (ft):		92.00
Depth to Base of G	rout (ft):	
Depth to Top of Per	forated Casing (ft):	
Depth to Bottom of	Perforated Casing (ft):	
Source Aquifer(s):	QUATERNARY ALLU FOX HILLS	JVIUM, LARAMIE

#### **Well Measurement Summary**

Start Date: 03/27/2008 End Date: 04/02/2018 Number of Measurements: 9



**Division of Water Resources** 

Department of Natural Resources

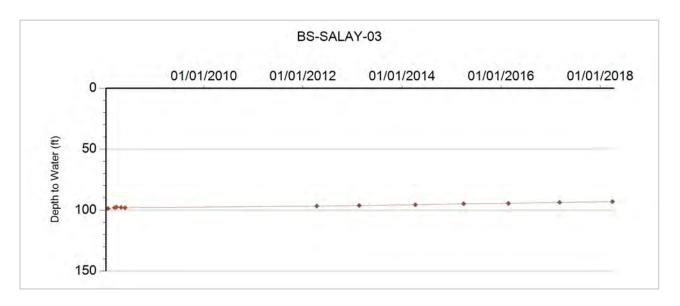
## **GROUNDWATER DETAILS**

Well Name:BS-SALAY-03Permit Number:98502-WDID:DWR

Location Number: SC01406336DDD USGS Site ID: Applicant/Contact: USGS

#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	JTMy	Loca	tion Accuracy
		SE	SE	SE	36	14.0 S	63.0 W	S	553165.0	4292655.0	GPS	
Division: County:	2	Distri EL PA	ct: 10 ASO	)			Tim		ies Data - Ten M Depth to Wate			_
•	ed Basin: nent District	t:							Feet Below Land Surface	Water	(ft)	Previous Measure (ft)
Construc	ction Inforr	nation					04/02/	2018	93.0	05 57	64.95	-0.61
Construc		nation					03/08/	2017	93.6	66 57	64.34	-0.82
Surface E	Elevation (ft	):			58	358.00	02/25/	2016	94.4	48 57	63.52	-0.28
Well Dep	th (ft):				1	50.00	04/01/	2015	94.7	76 57	63.24	-0.83
Depth to	Base of Gro	out (ft):					04/10/	2014	95.8	59 57	62.41	-0.64
Depth to	Top of Perf	orated C	Casing	(ft):			02/19/	2013	96.2	23 57	61.77	-0.48
•	Bottom of F			• • •			04/13/	2012	96.7	71 57	61.29	-1.32
Source A	quifer(s):	QUATE	RNAR	Y ALLU	VIUM		05/30/	2008	98.0	03 57	59.97	0.20
Well Mea	surement	Summa	rv				05/01/	2008	97.8	33 57	60.17	0.27
	e: 01/24/20		nd Dat	e: 04	/02/201	8	03/28/	2008	97.5	56 57	60.44	-0.44



**Division of Water Resources** 

Department of Natural Resources

## **GROUNDWATER DETAILS**

Well Name: BS-SLB1 Permit Number: 277308-WDID: Data Source: DWR

Location Number: SC01306316DDD USGS Site ID: Applicant/Contact: COLORADO STATE LAND BOARD

#### **Physical Location**

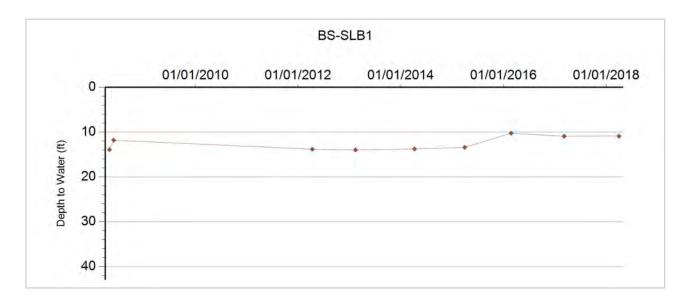
Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Rar	nge l	РΜ	UTMx I	JTMy	Loca	tion Accuracy
		SE	SE	SE	16	13.0 S	63.	0 W 0	S	548288.0	307040.0	GPS	
Division:	2		ict: 10	)				Time	Ser	ies Data - Ten N	lost Recer	nt Rep	ortings
County:		EL P/				ODEEK		Date		Depth to Wate			Change From
•	ed Basin: nent Distric		EK BLA	ACK SG	UIRREI	L CREEK				Feet Below Land Surface	Water	(ft)	Previous Measure (ft)
													. ,
Construe	ction Inform	nation					(	04/02/20	)18	10.9	63	332.06	0.00
							(	03/08/20	)17	10.9	63	332.06	0.68
Surface E	Elevation (ft	):			634	43.00	(	02/25/20	016	10.2	26 63	332.74	-3.17
Well Dep	th (ft):				4	43.00	(	04/01/20	)15	13.4	3 63	329.57	-0.35
Depth to	Base of Gro	out (ft):					(	04/09/20	)14	13.7	<b>'8</b> 63	329.22	-0.22
Depth to	Top of Perf	orated 0	Casing	(ft):		20		02/13/20		14.(		329.00	
Depth to	Depth to Bottom of Perforated Casing (ft): 40							02/10/20		13.8		20.00 829 16	

#### **Well Measurement Summary**

Start Date: 04/30/2008 End Date: 04/02/2018 Number of Measurements: 9

Source Aquifer(s): QUATERNARY ALLUVIUM

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
04/02/2018	10.94	6332.06	0.00
03/08/2017	10.94	6332.06	0.68
02/25/2016	10.26	6332.74	-3.17
04/01/2015	13.43	6329.57	-0.35
04/09/2014	13.78	6329.22	-0.22
02/13/2013	14.00	6329.00	0.16
04/12/2012	13.84	6329.16	2.01
05/30/2008	11.83	6331.17	-2.11
04/30/2008	13.94	6329.06	



**Division of Water Resources** 

Department of Natural Resources

## **GROUNDWATER DETAILS**

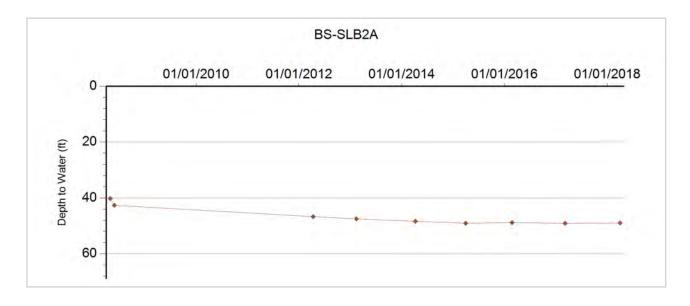
Well Name: BS-SLB2A Permit Number: 277307-WDID: Data Source: DWR

Location Number: SC01306336CA USGS Site ID: Applicant/Contact: COLORADO STATE BOARD OF LAND

#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Ra	ange	PM	UTMx	UTMy	Loca	tion Accuracy
			SE	NE	36	13.0 S	63	3.0 W	S	553120.0	430306	6.0 GPS	
Division:	2		ict: 10	)				Time	e Ser	ies Data - Ten	Most Re	ecent Rep	ortings
-	ed Basin: nent District			ACK SC	UIRRE	EL CREEK		Dat	e	Depth to Wat Feet Below Land Surfac	Wa	vation of ater (ft)	Change From Previous Measure (ft)
Construe	ction Inforr	nation						04/02/2	2018	48	.93	6081.07	-0.14
Construc		nation						03/08/2	2017	49	.07	6080.93	0.25
Surface E	Elevation (ft	):			61	130.00	Ĩ	02/25/2	2016	48	.82	6081.18	-0.21
Well Dep	th (ft):					69.00		04/01/2	2015	49	.03	6080.97	0.67
Depth to	Base of Gro	out (ft):						04/09/2	2014	48	.36	6081.64	0.86
Depth to	Top of Perf	orated C	Casing	(ft):		39		02/13/2	2013	47	.50	6082.50	0.80
Depth to Bottom of Perforated Casing (ft): 59								04/12/2			.70	6083.30	4.06
Source A	quifer(s):	QUATE	RNAR	Y ALLU	VIUM			05/30/2			.64	6087.36	2.44
Well Measurement Summary								05/01/2	2008	40	.20	6089.80	

Start Date: 05/01/2008 End Date: 04/02/2018 Number of Measurements: 9



**Division of Water Resources** 

Department of Natural Resources

## **GROUNDWATER DETAILS**

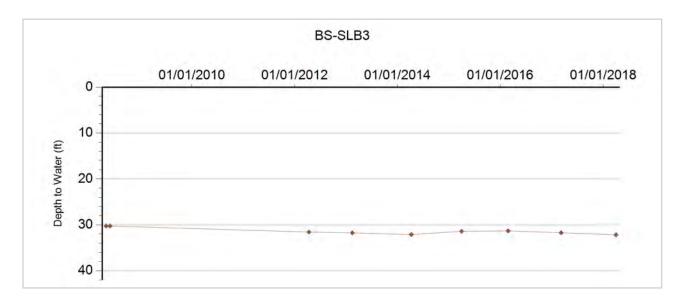
Well Name:BS-SLB3Permit Number:277314-WDID:URR

Location Number: SC01406204BAA USGS Site ID: Applicant/Contact: COLORADO STATE LAND BOARD

#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Loca	tion Accuracy
		NE	NE	NW	4	14.0 S	62.0 V	V S	557023.0	4302249.0	GPS	
Division:	2	Distr	ict: 10	)			٦	Time Ser	ies Data - Ten	Most Recei	nt Rep	ortings
-	ed Basin: nent Distric	UPP	ASO ER BL/	ACK SC	UIRRE	L CREEK		Date	Depth to Wat Feet Below Land Surfac	Water		Change From Previous Measure (ft)
Construc	ction Inform	nation						02/2018			)19.83	
Surface E	Elevation (ft	:):			60	52.00		08/2017 26/2016	31		)20.29 )20.69	
Well Dep	( )					42.00	04/	01/2015	31	.40 60	020.60	-0.71
•	Base of Gro Top of Perf	. ,	Casing	(ft)·		22		09/2014	32		019.89	
•	Bottom of F		•	``		42		13/2013 12/2012	-		)20.26 )20.44	
Source A	quifer(s):	QUATE	RNAR	Y ALLU	IVIUM			30/2008			)21.75	
Well Mea	asurement	Summa	ary				05/	02/2008	30	.25 60	)21.75	

Start Date: 05/02/2008 End Date: 04/02/2018 Number of Measurements: 9



**Division of Water Resources** 

Department of Natural Resources

## **GROUNDWATER DETAILS**

Well Name:BS-SLB4Permit Number:277315-WDID:DWR

Location Number: SC01406323AAA USGS Site ID: Applicant/Contact: COLORADO STATE LAND BOARD

#### **Physical Location**

Dist N/S D	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
		NE	NE	NE	23	14.0 S	63.0 W	S	551578.0	4297349.0	GPS

Division: 2	District: 10	Time Seri
County: Designated Basin: Management District:	EL PASO UPPER BLACK SQUIRREL CREEK	Date

#### **Construction Information**

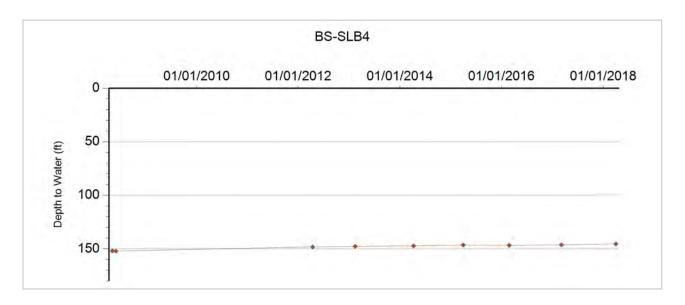
Surface Elevation (ft):	6000.00
Well Depth (ft):	180.00
Depth to Base of Grout (ft):	
Depth to Top of Perforated Casing (ft):	112
Depth to Bottom of Perforated Casing (ft):	172
Source Aquifer(s): QUATERNARY ALLUVIUM	Λ

# Time Series Data - Ten Most Recent Reportings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
04/02/2018	145.40	5854.60	-0.86
03/08/2017	146.26	5853.74	-0.44
02/25/2016	146.70	5853.30	0.28
04/01/2015	146.42	5853.58	-0.84
04/09/2014	147.26	5852.74	-0.44
02/13/2013	147.70	5852.30	-0.47
04/13/2012	148.17	5851.83	-3.90
05/30/2008	152.07	5847.93	0.15
05/05/2008	151.92	5848.08	

#### **Well Measurement Summary**

Start Date: 05/05/2008 End Date: 04/02/2018 Number of Measurements: 9



**Division of Water Resources** 

Department of Natural Resources

## **GROUNDWATER DETAILS**

Well Name: BS-SLB5 Permit Number: 277316-WDID: Data Source: DWR

Location Number: SC01406325DA USGS Site ID: Applicant/Contact: COLORADO STATE LAND BOARD

#### **Physical Location**

Dist N/S	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
			NE	SE	25	14.0 S	63.0 W	S	553232.0	4294671.0	GPS

Division: 2	District: 10
County:	EL PASO
Designated Basin:	UPPER BLACK SQUIRREL CREEK
Management District:	

#### **Construction Information**

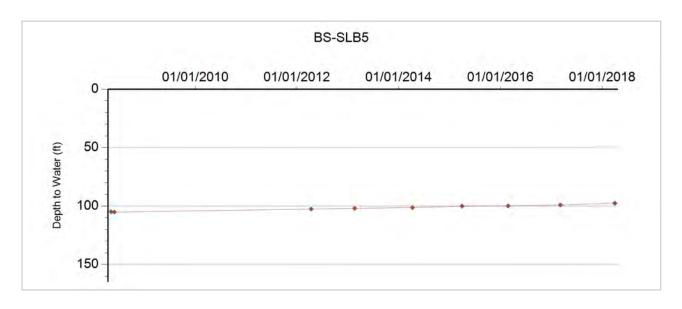
Surface Elevation (ft):	5900.00				
Well Depth (ft):	165.00				
Depth to Base of Grout (ft):					
Depth to Top of Perforated Casing (ft):	115				
Depth to Bottom of Perforated Casing (ft):					
Source Aquifer(s): QUATERNARY ALLUVIU	Μ				

## Time Series Data - Ten Most Recent Reportings

Date	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)
04/02/2018	97.65	5802.35	-1.46
03/08/2017	99.11	5800.89	-0.77
02/25/2016	99.88	5800.12	-0.19
04/01/2015	100.07	5799.93	-1.27
04/10/2014	101.34	5798.66	-0.63
02/19/2013	101.97	5798.03	-0.65
04/12/2012	102.62	5797.38	-2.52
05/30/2008	105.14	5794.86	0.29
05/07/2008	104.85	5795.15	

#### **Well Measurement Summary**

Start Date: 05/07/2008 End Date: 04/02/2018 Number of Measurements: 9



**Division of Water Resources** 

Department of Natural Resources

## **GROUNDWATER DETAILS**

Well Name:BS-SLB6Permit Number:277318-WDID:DWR

Location Number: SC01506207AD USGS Site ID: Applicant/Contact: COLORADO STATE LAND BOARD

#### **Physical Location**

Dist N/S D	Dist E/W	Q10	Q40	Q160	Sec	Township	Range	PM	UTMx	UTMy	Location Accuracy
			SE	NE	7	15.0 S	62.0 W	S	554530.0	4290564.0	GPS

Division: 2	District: 10	Tim	Time Series Data - Ten Most Recent Reportings					
County: Designated Basin: Management District:			e	Depth to Water Feet Below Land Surface	Elevation of Water (ft)	Change From Previous Measure (ft)		
Construction Inform	ation	04/02/	2018	38.96	5716.04	-0.30		
Construction morn		03/08/	2017	39.26	5715.74	-0.48		
Surface Elevation (ft)	5755.00	0 02/25/	2016	39.74	5715.26	-1.24		
Well Depth (ft):	87.0	0 04/01/	2015	40.98	5714.02	-0.73		
Depth to Base of Gro	ut (ft):	04/10/	2014	41.71	5713.29	-0.37		
Depth to Top of Perfo	orated Casing (ft): 30	0 02/19/	2013	42.08	5712.92	-0.27		
Depth to Bottom of P	<b>e</b> ( )	7 05/30/	2008	42.35	5712.65	-0.03		
Source Aquiter(s): 0	QUATERNARY ALLUVIUM	05/08/	2008	42.38	5712.62			

#### **Well Measurement Summary**

Start Date: 05/08/2008 End Date: 04/02/2018 Number of Measurements: 8

