

SACADI/Interal/ABQI/ABWUA_C009.KAFBI/ABWUA_C009.KAFB_005 Final Well Design 3-4-22.dwg ABWUA_C009.KAFB P2022000002 KAFB BFF Water Authority Data Gap Well Task 2.2 Data Gap Monitoring Well Work Plan

		TERA	Boring Log: WUABFFMW01 Project Name: Data Gap Well Project #: ABWUA.C009.KAFB		Location: Al	buquerque, NM
Date S Date C Drilling Drilling Sampli	tarted: completed Compar Method: ng Metho	1/25/2022 d: Pending ny: Cascade Drill Sonic od: Core Barrel	Driller: K. Rogers D Logged By: R. Sengebush D Boring Depth (ft bgs): 610 Co Boring Diameter (in): See Note 2 No Surface Elev. (ft amsl)*:Pending Ea	TW First Encountere TW Static (ft btoc): ollar Elevation (ft am orthing*: asting*:	ed (ft bgs): 💙 45 文 Pe nsl): Pe Pe Pe	8 (2/10/2022) inding inding inding inding
Depth (ft bgs)	Elev (ft amsl)	EDB (µg/L)** Lithology	Lithologic Description	Gamma (API) 10.0 70.0 Neutron (API) 700.0 2300.0 Neutron (API) 100.0 700.0	Depth (ft bgs)	Monitoring Well Construction
0	-0		Quaternary Alluvium: Silty SAND (SM), fine to coarse grained, subrounded to subangular; trace (<5%) Gravel, fine to medium grained, subangular; 10YR 7/4 (very pale brown / grayish orange), loose, moist, no odor, moderate HCI reaction, homogeneous, weak cementation, sand is quartz 70 %, feldspar 20 %, biotite 5%, rock fragments 5%	Man	-0 - - - -5 -	12-in Traffic Rated Flush-Grade Vault Lockable J-plug Portland Cement
- - 10	— -10		Poorly Graded SAND with Clay (SP-SC), fine grained, rounded; little (15-25%)	MMMM	- - - 10 -	
	-		/ grayish orange), dry, no odor, no staining, moderate HCI reaction, blocky, thin bedded, weak cementation	MM MM	- - 15 -	
20-	— -20		 Weil-Graded SAND with Graver (SW), line to coarse grained, subangular, 1017K 7/4 (very pale brown / grayish orange), very loose, dry, no odor, no staining, moderate HCI reaction, blocky, weak cementation Poorly Graded SAND with Clay (SP-SC), fine grained, rounded; little (15-25%) Clay; 10YR 7/4 (very pale brown / grayish orange), medium dense, moist, no odor, no staining, moderate HCI reaction, blocky, thinly laminated bedded, weak cementation 	M. M. M. M. M.	- 20	
- 25 — - -	-		Poorly Graded SAND with Gravel (SW), fine to coarse grained, subrounded; few (5-10%) Gravel, fine to medium grained, angular; trace (<5%) Cobbles; 10YR 6/3 (pale brown), very loose, moist, no odor, weak HCI reaction, blocky, thickly bedded, weak cementation, trace caliche on pebbles and cobbles. cobbles to 4 inches, quartzite	N. M. M. M. M. M. M.	- 25 - -	
30	— -30			Month of the first from the	- 30 	



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Lab Samples

Aqueous

ft = feet, bgs = below ground surface, in = inches, amsl = above mean sea level, DTW = depth to water, btoc = below top of casing, EPA = Environmental Protection Agency, EDB = ethylene dibromide, μg = micrograms, L = liter, API = American Petroleum Institute gamma ray unit
 The boring diameter may be variable and is currently pending

*Coordinates are in NAD83, State Plane NM Central, ft

		E	RA	Boring Log: WUABFFMW01 Project Name: Data Gap Well Project #: ABWUA.C009.KAFB		Locati	ion: Albuquerque, NM
Date Si Date C Drilling Drilling Sampli	tarted: completed Compar Method: ng Metho	1/25 d: Peno ny: Caso Soni od: Core	/2022 ding cade Drillir c Barrel	Driller: K. Rogers D Logged By: R. Sengebush D Boring Depth (ft bgs): 610 C Boring Diameter (in): See Note 2 N Surface Elev. (ft amsl)*:Pending E	TW First Encounter TW Static (ft btoc): ollar Elevation (ft an lorthing*: asting*:	ed (ft bgs nsl):	s): 458 (2/10/2022) Pending Pending Pending Pending
Depth (ft bgs)	Elev (ft amsl)	EDB (µg/L)**	Lithology	Lithologic Description	Gamma (API) 10.0 70.0 Neutron (API) 700.0 2300.0	Depth (ft bgs)	Monitoring Well Construction
	— -50			Sand, fine grained; 5YR 4/3 (reddish brown), stiff, moist, no odor, no staining, moderate HCI reaction, laminated, thin bedded, weak cementation	M. M. M. M. M. W. W. W.	- - 50 - -	
55 — - - 60 — - -	60			Poorly Graded SAND (SP), fine grained, subrounded; 5YR 5/6 (yellowish red / light brown), loose, moist, no odor, no staining, weak HCI reaction, blocky, weak cementation, lean clay 64 - 65 ft	My May My My My Marked	55 - - - 60 - -	
65	-			LEAN CLAY with Sand (CL), medium plasticity; some (30-45%) Clay; few (5-10%) Sand, fine grained; 5YR 5/6 (yellowish red / light brown), stiff, moist, no odor, strong HCl reaction, blocky, thin bedded, weak cementation, caliche nodules, 1%, tubular to 1 inch long, half inch diameter LEAN CLAY (CL), medium plasticity; 5YR 5/6 (yellowish red / light brown), very stiff, moist, no odor, no staining, moderate HCl reaction, blocky, weak cementation	M. M	65 - -	
70	— -70			Poorly Graded SAND (SP), fine to medium grained, subrounded; 5YR 5/4 (reddish brown), very loose, moist, no odor, no staining, weak HCl reaction, blocky, weak cementation LEAN CLAY (CL), medium plasticity; 5YR 5/6 (yellowish red / light brown), stiff, moist, no odor, no staining, no HCl reaction, laminated, thin bedded, weak cementation clav to sitty clav		- 70 - -	
75	-			Poorly Graded SAND with Clay (SP-SC), fine grained, little (15-25%) Clay; 5YR 5/4 (reddish brown), medium dense, moist, no odor, no staining, strong HCl reaction, blocky, moderate cementation	WWW WWWWW	- 75 - -	
80	— -80				MMM	- — 80 -	



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Lab Samples1) ft = feet, bgs = below ground surface, in = inches, amsl = above mean sea level, DTW = depth to water, btoc = below top of casing, EPA =
Environmental Protection Agency, EDB = ethylene dibromide, μg = micrograms, L = liter, API = American Petroleum Institute gamma ray unit
2) The boring diameter may be variable and is currently pending
*Coordinates are in NAD83, State Plane NM Central, ft
**Groundwater push ahead samples were collected and analyzed for EDB via EPA Method 8011

			RA	Boring Log: WUABFFMW01 Project Name: Data Gap Well Project #: ABWUA.C009.KAFB		Loca	tion: Albuquerque, NM
Date Si Date C Drilling Drilling Sampli	tarted: omplete Compai Method ng Meth	1/25 d: Pen ny: Cas : Son od: Cor	5/2022 iding icade Drilli ic e Barrel	ng Driller: K. Rogers D Logged By: R. Sengebush D Boring Depth (ft bgs): 610 C Boring Diameter (in): See Note 2 N Surface Elev. (ft amsl)*:Pending E	TW First Encounter TW Static (ft btoc): ollar Elevation (ft an orthing*: asting*:	ed (ft bo	gs):
Depth (ft bgs)	Elev (ft amsl)	EDB (µg/L)**	Lithology	Lithologic Description	Gamma (API) 10.0 70.0 Neutron (API) 700.0 2300.0 Neutron (API) 100.0 700.0	Depth (ft bgs)	Monitoring Well Construction
95	-			Poorly Graded SAND with Clay (SP-SC), fine grained, subrounded; little (15-25%) Clay; 5YR 4/4 (reddish brown / moderate brown), medium dense, moist, no odor, no staining, strong HCl reaction, blocky, weak cementation	WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW	- 95 - -	
- 100 — - - -	— -100				MW WW WW WW	- 100 - - -	
105 — - -	-			Well-Graded SAND (SW), fine to coarse grained, subrounded; 10YR 5/4 (yellowish brown / moderate yellowish brown), loose, moist, no odor, no staining, moderate HCI reaction, blocky, weak cementation	Morm	— 105 - -	
- 110 - - -	— -110			no staining, strong HCl reaction, laminated, weak cementation, caliche nodules to 10% at 112-115 ft, spherical to 1 inch and patches to 3 inches, causes rig chatter when coring	M. M. M. M. M.	- 110 - - -	
115	-			LEAN CLAY (CL), medium plasticity; 5YR 5/4 (reddish brown), soft, moist, no odor, weak HCI reaction, blocky, weak cementation	M.M.M.M.	— 115 - - -	
120	120			Sandy SILT (ML), low plasticity; 5YR 8/4 (pink / moderate orange pink), stiff, dry, no odor, no staining, strong HCI reaction, blocky, moderate cementation, caliche to 20% in nodules and patches, causes drill to chatter when coring	M. M. Mary	120 - -	
- 125 — - -	-			Poorly Graded SAND (SP), fine grained, subrounded; 10YR 7/6 (yellow), loose, no odor, no staining, weak HCl reaction, blocky, weak cementation, caliche layer 125.5-126 ft		- - 125 - -	
- 130 — - -	130			LEAN CLAY (CL), medium plasticity; 10YR 7/6 (yellow), medium stiff, moist, no odor, no staining, blocky, weak cementation	M. M. Mary	- - 130 - -	
- - 135 — -	-			Poorly Graded SAND (SP), fine grained, subrounded; 10YR 7/, loose, moist, no odor, no staining, weak HCl reaction, blocky, weak cementation Poorly Graded SAND (SP), fine grained, subrounded; 10YR 7/6 (yellow), loose, moist, no odor, no staining, weak HCl reaction, blocky, weak cementation	Min Min Min	- - 135 -	
- - 140	-140			LEAN CLAY (CL), 10YR 7/6 (yellow), stiff, moist, no odor, weak HCl reaction, blocky, weak cementation	M W W	- - - 140	

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 *Coordinates are in NAD83, State Plane NM Central, ft
 **Groundwater push ahead samples were collected and analyzed for EDB via EPA Method 8011

	NT		RA	Boring Log: WUABFFMW01 Project Name: Data Gap Well Project #: ABWUA.C009.KAFB		Locat	ion: Albuquerque, NM
Date St Date Co Drilling Drilling Samplii	tarted: ompleted Compar Method: ng Metho	1/25 d: Pen ny: Cas Son od: Cor	5/2022 Iding Icade Drillin Ic e Barrel	Driller: K. Rogers D Logged By: R. Sengebush D Boring Depth (ft bgs): 610 C Boring Diameter (in): See Note 2 N Surface Elev. (ft amsl)*:Pending E	TW First Encountere TW Static (ft btoc): ollar Elevation (ft an orthing*: asting*:	ed (ft bg nsl):	s): 458 (2/10/2022) Pending Pending Pending Pending
Depth (ft bgs)	Elev (ft amsl)	EDB (µg/L)**	Lithology	Lithologic Description	Gamma (API) 10.0 70.0 Neutron (API) 700.0 2300.0 Neutron (API) 100.0 700.0	Depth (ft bgs)	Monitoring Well Construction
- - - 145 — -	-			Poorly Graded SAND (SP), fine grained, subrounded; 10YR 7/6 (yellow), loose, moist, no odor, weak HCI reaction, blocky, weak cementation, caliche nodules to 1 inch at 140-141 ft Poorly Graded SAND (SP), fine grained, subrounded; 5YR 4/4 (reddish brown / moderate brown), loose, moist, no odor, no staining, blocky, weak cementation, caliche layer 147.5-148.=4 ft, nodules and patches of fine grained sand cemented with calcium carbonate	MM MM I MM MMM	- - - - 145 -	
- - 150	— -150				Mar	- - - 150 -	
- 155 — - -	-			Well-Graded SAND with Gravel (SW), fine to coarse grained, subangular; 10YR 5/6 (yellowish brown), medium dense, moist, no odor, no staining, no HCI reaction, blocky, moderate cementation, gravel is quartzite up to 1,5 inch, rounded to angular, very hard coring, was compacted but now loose from coring. pick 160 feet as top of axial- alluvial deposits of the sierra ladrones formation	MAN ANN M	- - - 155 - -	
- 160 — - -	— -160				And White And And	- - 160 - -	
- 165 - -	-			LEAN CLAY (CL), medium plasticity; 5YR 5/4 (reddish brown), very stiff, moist, no odor, no staining, weak HCI reaction, blocky, weak cementation	Mr. M. Kr.	- - 165 -	
170 -	— -170			LEAN CLAY (CL), 5YR 5/4 (reddish brown), stiff, moist, no odor, weak HCl reaction, blocky, weak cementation Well-Graded SAND (SW), fine to coarse grained, subrounded; 10YR 6/3 (pale brown), loose, no odor, iron oxide staining, no HCl reaction, stratified, sand is	MMMMM	- - - 170 -	
- - 175 —	_			quartz 90%, rock fragments 5-10%, iron oxide stain coating quartz sand grains, in thin layers	M. W. W. W.	- - - 175	



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Lab Samples Aqueous
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			RA	Boring Log: WUABFFMW01 Project Name: Data Gap Well Project #: ABWUA.C009.KAFB		Locatio	on: Albuquerque, NM
Date Si Date C Drilling Drilling Sampli	tarted: completed Compar Method: ng Metho	1/25 d: Pen ny: Cas : Son od: Core	5/2022 ding cade Drillir ic e Barrel	ng Driller: K. Rogers D Logged By: R. Sengebush D Boring Depth (ft bgs): 610 C Boring Diameter (in): See Note 2 N Surface Elev. (ft amsl)*:Pending E	TW First Encountere TW Static (ft btoc): ollar Elevation (ft am orthing*: asting*:	ed (ft bgs) nsl):	: ✓ 458 (2/10/2022) ✓ Pending Pending Pending Pending
Depth (ft bgs)	Elev (ft amsl)	EDB (µg/L)**	Lithology	Lithologic Description	Gamma (API) 10.0 70.0 Neutron (API) 700.0 2300.0 Neutron (API) 100.0 700.0	Depth (ft bgs)	Monitoring Well Construction
- - 190 — -	— -190			Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded; 10YR 5/4 (yellowish brown / moderate yellowish brown), loose, moist, no odor, no staining, no HCl reaction, blocky, no cementation, quartzite pebbles, about 5%	Why why why why	190	
- - 195 — - -	-			Well-Graded SAND (SW), fine to coarse grained, subrounded; 10YR, loose, moist, no odor, no staining, no HCl reaction, homogeneous, no cementation, trace pebbles to 0.5 inch	throw the share	- 195	
- 200	— -200				And Solar	- 200	
- 205 — - -	-			Poorly Graded SAND (SP), fine to medium grained, subrounded; 10YR 7/1 (light gray), loose, moist, no odor, no staining, no HCI reaction, homogeneous, no cementation	WWW AND AND AND	- 205 -	
- 210	210		ſ	Well-Graded SAND with Gravel (SW), medium to coarse grained, subangular; few	May Many May	- 210 - -	
- 215 — -	-			(5-10%) Gravel, medium to coarse grained, subrounded; 10YR 7/1 (light gray), loose, moist, no odor, no staining, no HCl reaction, homogeneous, no cementation, gravel includes quartzite, pumace, and basalt, ave 1 inch diameter, up to 2 inches Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded; some (30-45%) Gravel, fine to medium grained, subrounded; 10YR 6/2 (light brownish gray / pale yellowish brown), loose, dry, no odor, no staining, no HCl reaction, homogeneous, no cementation, gravel is sandstone and basalt, to 1 inch diameter	Mr. W. W. W.	- 215 -	
220	220			Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded; little (15-25%) Gravel, fine grained, subrounded; 10YR 6/2 (light brownish gray / pale yellowish brown), loose, dry, no odor, no staining, no HCl reaction, homogeneous, no cementation, gravel primarily basalt	M. A. A. M.	- 220	



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Lab S	amples	1) ft = feet, bgs = below ground surface, in = inches, amsl = above mean sea level, DTW = depth to water, btoc = below top of casing, EPA =
٨	Aqueous	Environmental Protection Agency, EDB = ethylene dibromide, µg = micrograms, L = liter, API = American Petroleum Institute gamma ray unit
A		2) The boring diameter may be variable and is currently pending
		*Coordinates are in NAD83, State Plane NM Central, ft
		**Groundwater push ahead samples were collected and analyzed for EDB via EPA Method 8011

			RA	Boring Log: WUABFFMW01 Project Name: Data Gap Well Project #: ABWUA.C009.KAFB		Locat	ion: Albuquerque, NM
Date Si Date C Drilling Drilling Sampli	tarted: completed Compar Method ng Metho	1/25 d: Pen ny: Cas : Son od: Cor	5/2022 iding scade Drillir ic e Barrel	Driller: K. Rogers E Logged By: R. Sengebush E Boring Depth (ft bgs): 610 C Boring Diameter (in): See Note 2 N Surface Elev. (ft amsl)*:Pending E	DTW First Encountere DTW Static (ft btoc): Collar Elevation (ft an Northing*: Easting*:	ed (ft bgs nsl):	s): 458 (2/10/2022) Pending Pending Pending Pending
Depth (ft bgs)	Elev (ft amsl)	EDB (µg/L)**	Lithology	Lithologic Description	Gamma (API) 10.0 70.0 Neutron (API) 700.0 2300.0 Neutron (API) 100.0 700.0	Depth (ft bgs)	Monitoring Well Construction
235 — - - 240 — -	240			Sandy LEAN CLAY (CL), medium plasticity; 5YR 5/4 (reddish brown), soft, moist, no odor, no staining, moderate HCI reaction, blocky, weak cementation, bottom of sandy clay layer, contact to sand and gravel at 238 Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded; little (15-25%) Gravel, fine to medium grained, rounded; 10YR 6/2 (light brownish gray / pale yellowish brown), loose, dry, no odor, no staining, no HCI reaction, homogeneous, no cementation, gravel is quartzite, black and purple basalt, up to 2.5 inches diameter	Maria M. M. M. Mariana	- 235 - - - - 240 -	
- 245 — -	-			Well-Graded SAND with Gravel (SW), fine to coarse grained, subangular; 10YR	MAN MAN ANNA	- - - 245 -	
- 250	250			6/2 (light brownish gray / pale yellowish brown), loose, dry, no odor, no staining, no HCl reaction, homogeneous, weak cementation, lean clay layer 250-251 ft	A MANAA IN	- - - 250 - -	
- 255 — - -	-			Well-Graded SAND with Gravel (SW), fine to coarse grained, subangular; little	Mar Anna Anna	- - 255 - -	
- 260 — - -	— -260			(15-25%) Gravel, fine to medium grained, rounded; 10YR 6/2 (light brownish gray / pale yellowish brown), loose, dry, no odor, iron oxide staining, no HCI reaction, homogeneous, weak cementation, bottom 2 feet contains orange iron oxide staining and gravel is moderately cemented or consolidated with 10% clay	AND	- - - 260 - -	
265	-				Marin John Milling Strange	- 265 - - -	



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Date S Date C Drilling Drilling Sampli	tarted: completed Compar Method: ng Metho	1/25 d: Pen- ny: Case Soni od: Core	i/2022 ding cade Drillir ic e Barrel	ng Driller: K. Rogers E Logged By: R. Sengebush E Boring Depth (ft bgs): 610 C Boring Diameter (in): See Note 2 N Surface Elev. (ft amsl)*:Pending E	DTW First Encountere DTW Static (ft btoc): Collar Elevation (ft an lorthing*: asting*:	ed (ft bg nsl):	s): 458 (2/10/2022) Pending Pending Pending Pending
Depth (ft bgs)	Elev (ft amsl)	EDB (µg/L)**	Lithology	Lithologic Description	Gamma (API) 10.0 70.0 Neutron (API) 700.0 2300.0 Neutron (API) 100.0 700.0	Depth (ft bgs)	Monitoring Well Construction
- - 285 — - -	_			Poorly Graded SAND (SP), fine to medium grained, subangular; 10YR 6/2 (light brownish gray / pale yellowish brown), loose, moist, no odor, no staining, no HCI reaction, homogeneous, no cementation	And Minister - for the for the for the	- - - 285 - -	Grout 3.0-in Sch. 80 PVC
_ 290 — _ _	— -290				No Animital Star	- — 290 -	
- 295 — -	-			Well-Graded SAND with Gravel (SW), fine to coarse grained, angular; little (15-25%) Gravel, fine to medium grained, subrounded; 10YR 6/4 (light yellowish	AM- AMA	- - - 295 -	
- - 300 — -	— -300			brown), medium dense, dry, no odor, iron oxide staining, no HCl reaction, mottled, moderate cementation, compacted sand and gravel with mottled coloring red, purple, green. gravel includes jasper gravel to 1 inch Well-Graded SAND with Gravel (SW), fine to coarse grained, subangular; little (15-25%) Gravel, medium grained, rounded to subangular; 10YR 6/4 (light	M. V. V. M.	- - - 300 -	
- 305 — -	-			 Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded; few (5-10%) Gravel, fine to medium grained, subrounded; 10YR 6/4 (light yellowish brown), loose, dry, no odor, no staining, no HCl reaction, homogeneous, no cementation, includes 1 ft thick layer of sp poorly graded sand. gravel 304-305 clasts to 2 inches, flat, quartzite 	Mr. M. M. M. M. M.	- - 305 -	
310 —	— -310				A AL MININ	- - 310 -	
315 —	-			Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded; some (30-45%) Gravel, fine to coarse grained, rounded to subrounded; 10YR 6/4 (light yellowish brown), dry, no odor, no staining, no HCI reaction, homogeneous, no cementation, gravel to 2 inches, weathered basalt and quartzite	A LANNA MARINA	- - 315 -	



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Lab Samples Aqueous Aqueous 1) ft = feet, bgs = below ground surface, in = inches, amsl = above mean sea level, DTW = depth to water, btoc = below top of casing, EPA = Environmental Protection Agency, EDB = ethylene dibromide, μg = micrograms, L = liter, API = American Petroleum Institute gamma ray unit 2) The boring diameter may be variable and is currently pending *Coordinates are in NAD83, State Plane NM Central, ft

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Date S Date C Drilling Drilling Sampli	tarted: completed Compan Method: ng Metho	1/25/20 : Pendir y: Casca Sonic d: Core E	022 ng de Drillin Barrel	Driller: K. Rogers D Logged By: R. Sengebush D Boring Depth (ft bgs): 610 C Boring Diameter (in): See Note 2 N Surface Elev. (ft amsl)*:Pending E	TW First Encountere TW Static (ft btoc): ollar Elevation (ft am orthing*: asting*:	ed (ft bg nsl):	gs):
Depth (ft bgs)	Elev (ft amsl)	EDB (µg/L)**	Lithology	Lithologic Description	Gamma (API) 10.0 70.0 Neutron (API) 700.0 2300.0 Neutron (API) 100.0 700.0	Depth (ft bgs)	Monitoring Well Construction
- 330 — - -	— -330			Well-Graded SAND with Gravel (SW), fine to coarse grained, subangular; little (15-25%) Gravel, fine to coarse grained, rounded; few (5-10%) Cobbles, rounded; 10YR 6/4 (light yellowish brown), loose, moist, no odor, no staining, no HCI reaction, homogeneous, no cementation, quartzite cobbles to 3 inches, well rounded	MAN WWWWWW	- 330 - -	
- 335 - - -	-				W W W W WW	- - 335 - -	
	— -340			Poorly Graded SAND (SP), fine to medium grained, subrounded; 10YR 8/1 (white), loose, dry, no odor, no staining, no HCl reaction, homogeneous, no cementation, trace rounded gravel to 2 inch diameter, quartzite, white chalcedony	A AWAL FILL I AM	- - 340 - -	
345	-			Well-Graded SAND (SW), fine to coarse grained, subangular; 10YR 7/3 (very pale brown), moist, no odor, iron oxide staining, no HCI reaction, homogeneous, no cementation, trace gravel. sand is quartz 85%, feldspar 5%, rock fragments 10%. rock fragments, medium to coarse grained, dark, probably basaltic	And the property with	345 - - -	
350	— -350				Mar . Harry L Marry	- 350 - - -	
355	-			Well-Graded SAND with Gravel (SW), fine to coarse grained, subangular; few (5-10%) Gravel, fine grained, subrounded; 10YR 7/3 (very pale brown), loose, dry, no odor, no staining, no HCI reaction, homogeneous, no cementation	the here have here here	355 - - -	
360	— -360			Well-Graded SAND with Gravel (SW), fine to coarse grained, subangular; few (5-10%) Gravel rounded to subangular: 10YR 7/3 (very pale brown) no odor, no	Martin	— 360 - -	



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Lab Samples Aqueous
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Date S Date C Drilling Drilling Sampli	tarted: completed Compar Method: ng Metho	1/25 d: Pen y: Cas Son od: Core	5/2022 ding cade Drillir ic e Barrel	ng Driller: K. Rogers D Logged By: R. Sengebush D Boring Depth (ft bgs): 610 C Boring Diameter (in): See Note 2 N Surface Elev. (ft amsl)*:Pending E	TW First Encountere TW Static (ft btoc): ollar Elevation (ft an orthing*: asting*:	ed (ft bgs): nsl):	 458 (2/10/2022) Pending Pending Pending Pending Pending
Depth (ft bgs)	Elev (ft amsl)	EDB (µg/L)**	Lithology	Lithologic Description	Gamma (API) 10.0 70.0 Neutron (API) 700.0 2300.0 Neutron (API) 100.0 700.0	Depth (ft bgs)	Monitoring Well Construction
	— -380			Well-Graded SAND with Gravel (SW), fine to coarse grained, subangular; little (15-25%) Gravel, rounded to subangular; few (5-10%) Cobbles, subrounded; 10YR 7/3 (very pale brown), loose, dry, no odor, no staining, no HCI reaction, homogeneous, no cementation, gravel and cobbles to 3.5 inches, basalt, chalcedony, first granitic clast in core	WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW	- - - - 380 - -	
	-			Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; little (15-25%) Gravel, subrounded; 10YR 7/3 (very pale brown), loose, dry, no odor, no staining, no HCI reaction, homogeneous, no cementation, gravel quartzite, chalcedony to 2 inches diameter	My wint w	- - 385 - - -	
390 — - - -	— -390				My My My	— 390 - - -	
395				Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded; little (15-25%) Gravel, fine to medium grained, rounded to subangular; 10YR 7/3 (very pale brown), loose, dry, no odor, no staining, no HCl reaction, homogeneous, no cementation, gravel includes purple rhyolite, layered volcanic, glassy with abundant feldspar, red volcanic pebbles with euhedral feldspar. sand is quartz 60%, feldspar 10 %, dark rock fragments. general increase in quartz-rich volcanic content.	MM John M	- 395 - - - -	
+00	-+00				Mr Mr. M. W. White		
405	410			Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded; few (5-10%) Gravel, fine to medium grained, rounded; 10YR 7/3 (very pale brown), loose, dry, no odor, no staining, no HCl reaction, homogeneous, no cementation, various volcanics, very fine grained, pink, green, black, cylindrical, to 1.5 inches long, 0.5 diameter	ANN' MANY HAVE	— 405 - - - - - 410	



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Lab Samples Aqueous 1) ft = feet, bgs = below ground surface, in = inches, amsl = above mean sea level, DTW = depth to water, btoc = below top of casing, EPA = Environmental Protection Agency, EDB = ethylene dibromide, µg = micrograms, L = liter, API = American Petroleum Institute gamma ray unit 2) The boring diameter may be variable and is currently pending *Coordinates are in NAD83, State Plane NM Central, ft

	N		RA	Boring Log: WUABFFMW01 Project Name: Data Gap Well Project #: ABWUA.C009.KAFB		Loca	tion: Albuquerque, NM
Date S Date C Drilling Drilling Sampli	tarted: complete Compar Method ng Metho	1/25 d: Pen ny: Cas : Son od: Cor	5/2022 iding icade Drillir ic e Barrel	Driller: K. Rogers D Logged By: R. Sengebush D Boring Depth (ft bgs): 610 C Boring Diameter (in): See Note 2 N Surface Elev. (ft amsl)*:Pending Ea	TW First Encountere TW Static (ft btoc): ollar Elevation (ft am orthing*: asting*:	ed (ft bg nsl):	gs):
Depth (ft bgs)	Elev (ft amsl)	EDB (µg/L)**	Lithology	Lithologic Description	Gamma (API) 10.0 70.0 Neutron (API) 2300.0 Neutron (API) 2300.0 100.0 700.0	Depth (ft bgs)	Monitoring Well Construction
- - 425 — -	-			average size <1 inch diameter	MAN STANIA STAN	- - 425 -	
- - 430 — -	— -430			Poorly Graded SAND (SP), fine to medium grained, subrounded; 10YR 8/1 (white) to 10YR 7/3 (very pale brown), very loose, dry, no odor, no staining, no HCI reaction, homogeneous, no cementation, notably no gravel	Mutur Millinger	- - - 430 -	
- 435 — -	-			 Poorly Graded SAND (SP), medium grained, subrounded; 10YR 7/3 (very pale brown), loose, dry, no odor, no staining, no HCl reaction, homogeneous, no cementation FAT CLAY (CH), high plasticity; 5YR 5/4 (reddish brown), very stiff, moist, no odor, no staining, no HCl reaction, laminated, no cementation, clay, stiff, 1 ft thick. Poorly Graded SAND (SP), fine to medium grained, subrounded; 5YR 5/4 (reddish brown), dry, no odor, no staining, no HCl reaction, homogeneous, no cementation 	MM Norway	- - - 435 -	
- - 440 — -	— -440			SILT (ML), non plastic; trace (<5%) Clay; medium stiff, moist, no odor, no HCI reaction, homogeneous, no cementation, silt with trace clay, stiff Well-Graded SAND (SW), fine to coarse grained, subrounded; 5YR 5/1 (gray), loose, moist, no odor, no staining, no HCI reaction, homogeneous, no cementation, trace gravel, ave < 0.5 inch diameter	And Mary Mary	- - - 440 -	
- - 445 — -	-			Poorly Graded SAND (SP), subrounded; 10YR 7/2 (light gray), loose, dry, no odor, no staining, no HCl reaction, homogeneous, no cementation Poorly Graded SAND (SP), fine grained, rounded to subrounded; 10YR 7/2 (light gray) and 7.5YR 7/8 (reddish yellow), loose, moist, no odor, iron oxide staining, no HCl reaction, homogeneous, moderate cementation, intense orange feox stain at 455-457	Mary his Andrew	- - 445 -	
- 450 — -	— -450				W. S. S. W. W. S.	- - - 450 -	
- 455 — -	-				MMMMMM	- - - 455 -	



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Lab Samples Aqueous 1) ft = feet, bgs = below ground surface, in = inches, amsl = above mean sea level, DTW = depth to water, btoc = below top of casing, EPA = Environmental Protection Agency, EDB = ethylene dibromide, μg = micrograms, L = liter, API = American Petroleum Institute gamma ray unit 2) The boring diameter may be variable and is currently pending *Coordinates are in NAD83, State Plane NM Central, ft

			RA	Boring Log: WUABFFMW01 Project Name: Data Gap Well Project #: ABWUA.C009.KAFB		Locat	ion: Albuquerque, NM
Date S Date C Drilling Drilling Sampli	tarted: omplete Compa Method ng Meth	1/25 d: Pen ny: Cas l: Son lod: Cor	5/2022 Iding Iscade Drillir Iic e Barrel	Driller: K. Rogers D Logged By: R. Sengebush D Boring Depth (ft bgs): 610 C Boring Diameter (in): See Note 2 N Surface Elev. (ft amsl)*:Pending E	TW First Encounter TW Static (ft btoc): ollar Elevation (ft an orthing*: asting*:	ed (ft bg: nsl):	s): 2458 (2/10/2022) Pending Pending Pending Pending
Depth (ft bgs)	Elev (ft amsl)	EDB (µg/L)**	Lithology	Lithologic Description	Gamma (API) 10.0 70.0 Neutron (API) 700.0 700.0 2300.0 Neutron (API) 100.0	Depth (ft bgs)	Monitoring Well Construction
470	470			ft, gravel to 2 inches, granite with k feldspar, quartzite, basalt, well rounded	M. M. M. M. M. M.	- 470 - - - - 475	
475	480			Poorly Graded SAND (SP), fine to medium grained, subrounded; 10YR 6/2 (light brownish gray / pale yellowish brown), loose, wet, no odor, no staining, no HCI reaction, homogeneous, no cementation Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded; little (15-25%) Gravel, fine to medium grained; 10YR 6/2 (light brownish gray / pale yellowish brown), loose, wet, no odor, no staining, no HCI reaction, homogeneous, no cementation, gravel includes granite, quartzite, basalt, to 2 inches, rounded	Ministry Manual Internet	- 473 - - - - 480 -	
- - 485	-			Poorly Graded SAND (SP), fine to medium grained, subrounded; 10YR 6/2 (light brownish gray / pale yellowish brown), loose, wet, no odor, no HCl reaction, homogeneous, no cementation	in MWWWW	- - 485 -	
- 490 — -	— -490	< 0.0093		Well-Graded SAND (SW), fine to coarse grained, subrounded; 10YR 5/3 (brown), loose, wet, no odor, no HCl reaction, homogeneous, no cementation	Mary Mary	- - 490 -	
- 495 — -	-			loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation	When why have	- - - 495 - -	
500	— -500			Poorly Graded SAND (SP), fine grained, rounded; 2.5YR 5/3 (reddish brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation, 1 vesicular basalt pebble 1 inch diameter. color is mottled with gray	W. W. W. W. W. W.	- — 500 - - -	



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Lab Samples		1) ft = feet, bgs = below ground surface, in = inches, amsl = above mean sea level, DTW = depth to water, btoc = below top of casing, EPA =
	Aqueous	Environmental Protection Agency, EDB = ethylene dibromide, µg = micrograms, L = liter, API = American Petroleum Institute gamma ray unit
		2) The boring diameter may be variable and is currently pending
		*Coordinates are in NAD83, State Plane NM Central, ft
		**Groundwater push ahead samples were collected and analyzed for EDB via EPA Method 8011

	N		RA	Boring Log: WUABFFMW01 Project Name: Data Gap Well Project #: ABWUA.C009.KAFB		Location: Albu	uquerque, NM
Date Started:1/25/2022Driller:K. RogersDTW First Encountered (ft bgs):458 (2/10/2022Date Completed:PendingLogged By:R. SengebushDTW Static (ft btoc):PendingDrilling Company:Cascade DrillingBoring Depth (ft bgs):610Collar Elevation (ft amsl):PendingDrilling Method:SonicBoring Diameter (in):See Note 2Northing*:PendingSampling Method:Core BarrelSurface Elev. (ft amsl)*: PendingEasting*:Pending						(2/10/2022) ding ding ding ding	
Depth (ft bgs)	Elev (ft amsl)	EDB (µg/L)**	Lithology	Lithologic Description	Gamma (API) 10.0 70.0 Neutron (API) 700.0 2300.0 - - Neutron (API) 100.0 700.0	Depth (ft bgs)	Monitoring Well Construction
- 520 - -	520	< 0.0094		Well-Graded SAND with Gravel (SW), medium to coarse grained, subrounded; some (30-45%) Gravel, medium to coarse grained, rounded to subrounded; 10YR 4/2 (dark grayish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation, cobbles to 4 inches	Milling which have been and	- - - 520 - -	
525 — - -	-			Well-Graded SAND with Gravel (SW), medium to coarse grained, subrounded;	Viciti	- 525 - -	
- 530 — -	— -530			some (30-45%) Gravel, medium to coarse grained, rounded; 10YR 5/2 (grayish brown), loose, wet, no odor, no staining, no HCI reaction, homogeneous, no cementation, gravel to 3 inches diameter, basalt, rounded and elongate	Winnight Junio	- - - 530 - -	
- - 535 — -	-			FAT CLAY (CH), high plasticity; 10YR 8/1 (white), very stiff, dry, no odor, no HCl reaction. no cementation	Min is a state	- - - 535 -	
- - 540 — -	— -540			Well-Graded SAND with Gravel (SW), medium to coarse grained, subrounded; some (30-45%) Gravel, medium to coarse grained, rounded to subrounded; few (5-10%) Cobbles, rounded; 10YR 5/2 (grayish brown), loose, wet, no odor, no staining, no HCI reaction, homogeneous, no cementation, cobbles to 4 inches. fossiliferous limestone clast, 2 inches, (madera?)	WWW WWW	- - - 540 -	
- - 545 — -	-				MM W M	- - 545 -	
550	— -550			Poorly Graded SAND (SP), fine grained, subrounded; 10YR 5/2 (grayish brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation, trace pebbles 0.25 inch Well-Graded SAND with Gravel (SW), fine to medium grained, subrounded; few (5-10%) Gravel, fine to medium grained, rounded; 10YR 5/2 (grayish brown), loose, wet, no odor, no HCl reaction, homogeneous, no cementation, gravel, granite to 2 inch, basalt, 1 inch, rounded	WWWWW WWW	- - - - 550 -	



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Lab Samples Aqueous
1) ft = feet, bgs = below ground surface, in = inches, amsl = above mean sea level, DTW = depth to water, btoc = below top of casing, EPA = Environmental Protection Agency, EDB = ethylene dibromide, μg = micrograms, L = liter, API = American Petroleum Institute gamma ray unit 2) The boring diameter may be variable and is currently pending *Coordinates are in NAD83, State Plane NM Central, ft

Date Bounder CARGES Construction Construction <thconstruction< th=""> <thconstruction< th=""></thconstruction<></thconstruction<>		NT		RA	Boring Log: WUABFFMW01 Project Name: Data Gap Well Project #: ABWUA.C009.KAFB		Loca	tion: Albuquerque, NM
Set En Set En<	Date St Date C Drilling Drilling Sampli	tarted: omplete Compar Method ng Metho	1/25 d: Pen ny: Cas : Son od: Cor	5/2022 Iding scade Drillin lic e Barrel	Driller: K. Rogers D Logged By: R. Sengebush D Boring Depth (ft bgs): 610 Co Boring Diameter (in): See Note 2 No Surface Elev. (ft amsl)*:Pending Ea	TW First Encountere TW Static (ft btoc): ollar Elevation (ft am orthing*: asting*:	ed (ft bg nsl):	gs):
900 -500 905 -500 906 -500 900 -500 900 -500 900 -500 900 -500 900 -500 <th>Depth (ft bgs)</th> <th>Elev (ft amsl)</th> <th>EDB (µg/L)**</th> <th>Lithology</th> <th>Lithologic Description</th> <th>Gamma (API) 10.0 70.0 Neutron (API) 700.0 2300.0 Neutron (API) 100.0 700.0</th> <th>Depth (ft bgs)</th> <th>Monitoring Well Construction</th>	Depth (ft bgs)	Elev (ft amsl)	EDB (µg/L)**	Lithology	Lithologic Description	Gamma (API) 10.0 70.0 Neutron (API) 700.0 2300.0 Neutron (API) 100.0 700.0	Depth (ft bgs)	Monitoring Well Construction
570 -570 570 -570 570 -570 571 -570 572 -570 573 -570 574 -570 575 -570 576 -570 577 -570 578 -570 578 -570 578 -570 578 -570 578 -570 578 -570 575 -570 575 -570 575 -570 575 -570 575 -570 575 -570 575 -570 575 -570 575 -570 575 -570 575 -570 575 -570 575 -570 575 -570 575 -570 575 -570 576 -570 <td>- 565</td> <td>-</td> <td></td> <td></td> <td>Poorly Graded SAND with Clay (SP-SC), fine grained, subrounded; 10YR 5/2 (grayish brown), medium dense, wet, no odor, no staining, no HCI reaction, stratified, no cementation, clayey sand with tabular sandstone pieces to 5 inches, hard cemented sandstone, rounded but flat. layer 0.5 ft thick, but rounded cobbles predominate</td> <td>WWWWWWWWWWWWW</td> <td>- 565</td> <td>1/4-in TR 30 Bentonite Pellets</td>	- 565	-			Poorly Graded SAND with Clay (SP-SC), fine grained, subrounded; 10YR 5/2 (grayish brown), medium dense, wet, no odor, no staining, no HCI reaction, stratified, no cementation, clayey sand with tabular sandstone pieces to 5 inches, hard cemented sandstone, rounded but flat. layer 0.5 ft thick, but rounded cobbles predominate	WWWWWWWWWWWWW	- 565	1/4-in TR 30 Bentonite Pellets
575 Second SAND (SP), Ince to medium grained, subrounded; 10YR 4/3 (brown), loose, wet, no codor, no staining, no HCI reaction, homogeneous, no comentation. 575 680 -580 Well-Graded SAND With Gravel (SW), subrounded; titlet (15-25%) (Gravel, fine to indicate grained, subrounded; titlet (15-25%) (Gravel, fine to comentation, proved in a with subrounded; titlet (15-25%) (Gravel, fine to comentation, homogeneous, no cementation, gravel is rounded average 1-2 inch Lidameter, typical of previous gravels 580 680 -580 Well-Graded SAND With Gravel (SW), fine to coarse grained, subrounded; titlet (15-25%) (Gravel, fine to medium grained, subangular; 107R 4/2 (dark gravish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCI reaction, homogeneous, no cementation, gravel includes subangular; titler (107R 4/2 (dark gravish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCI reaction, homogeneous, no cementation, gravel includes subangular; titler (107R 4/2 (dark gravish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCI reaction, homogeneous, no cementation, gravel includes subangular; titler (107R 4/2 (dark gravish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCI reaction, homogeneous, no cementation, gravel includes subangular; titler (107R 4/2 (dark gravish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCI reaction, homogeneous, no cementation, homogeneous, no cementation, loose, wet, no odor, no staining, no HCI reaction, homogeneous, no cementation, moder, dark yellowish brown, loose, wet, no odor, no staining, no HCI reaction, homogeneous, no cementation, moder, dark yellowish brown, loose, wet, no odor, no staining, no HCI reaction, homogeneous, no cementation, davi yeliowish brown, loose, wet, no odor, no staini	570	570			 Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded; few (5-10%) Gravel, fine grained, subrounded; 10YR 5/2 (grayish brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation Poorly Graded SAND (SP), fine grained, subrounded; 10YR 5/2 (grayish brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded; some (30-45%) Cobbles, subrounded; 10YR 4/3 (brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation, cobbles to 5 inches diameter, well cemented pebbly sandstone, vari-colored pebbles in the sandstone matrix, very distinctive, similar to cobbles 563-563.5, butnot typical of other previous gravel or cobbles. sandstone pieces are angular, 4 - 5 inches in longest dimension but tabular. these pieces also contain fine-grained sandstone zones, as rip-up clasts within the coarse, pebbly sandstone matrix. no hcl reaction on the 	MM MM MM M	- - - - 570 - -	Stainless Steel Centralizer
580 -580 580 -580 685 -580 686 -580 686 -580 687 -580 688 -580 688 -580 688 -580 688 -580 690 -580 7580 -580 7590	- 575 — -	-			sandstone pieces, interpret as silica cement Poorly Graded SAND (SP), fine to medium grained, subrounded; 10YR 4/3 (brown), loose, wet, no odor, no staining, no HCI reaction, homogeneous, no cementation Well-Graded SAND with Gravel (SW), subrounded; little (15-25%) Gravel, fine to medium grained; 10YR 4/2 (brown) loose, wet, no oder, no staining, no HCI	My my h	- — 575 -	
 (5%) Gravel, inne to medium grained, subangular; 10YR 4/2 (dark grayish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation, gravel includes subangular calcite-cemented sands and a well rounded quartite clast 90004 (585 - Gravel, fine grained, subangular; 10YR 4/2 (dark grayish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation, gravel includes grained, subrounded; trace (<5%) Gravel, fine grained, subangular; 10YR 4/2 (dark grayish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation Well-Graded SAND (SP), medium to coarse grained, subrounded; trace (<5%) Gravel, fine grained, subangular; 10YR 4/2 (dark grayish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation FAT CLAY (CH), high plasticity; trace (<5%) Clay; very stiff, moist, no odor, loostaining, no HCl reaction, homogeneous, no cementation, loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation, loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation Well-Graded SAND (SW), fine to coarse grained, subrounded; 10YR 4/2 (dark grayish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation, loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation, loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation, loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation, loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation, loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation, loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation, loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation, loose, wet, no	- - 580	— -580			 Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded; little (15-25%) Cobbles, rounded; 10YR 4/2 (dark grayish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation, 579 - 580, sand matrix supported cobbles to 3.5 inches diameter, includes banded rhyolite, basalt, granite, and pink and gray vein quartz Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded; little (15-25%) Cobbles, rounded; 10YR 4/2 (dark grayish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation, 579 - 580, sand matrix supported cobbles to 3.5 inches diameter, includes banded rhyolite, basalt, granite, and pink and gray vein quartz 	MMMMM	- - - 580 -	
590 -590 590 -590 7590 -590 7590 -590 7590 Poorly Graded SAND (SP), medium to coarse grained, subrounded; 10YR 4/2 (dark grayish brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation 7590 Poorly Graded SAND (SP), medium to coarse grained, subrounded; 10YR 4/2 (dark grayish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation 7595 FAT CLAY (CH), high plasticity; trace (<5%) Clay; very stiff, moist, no odor, laminated, no cementation, clay layer, 0.5 ft thick, very stiff, pale red 5r 7/3	585	-	< 0.0094	••••••	 (<5%) Gravel, fine to medium grained, subangular; 10YR 4/2 (dark grayish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation, gravel includes subangular calcite-cemented sandstone clast and a well rounded quartzite clast Poorly Graded SAND (SP), medium to coarse grained, subrounded; 10YR 4/2 (dark grayish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation 	M W W W W	- - - 585 -	10/20 Slitca Sand 3.0-in Sch. 80 PVC 0.020-in Slot Screen
595 FAT CLAY (CH), high plasticity; trace (<5%) Clay; very stiff, moist, no odor, laminated, no cementation, clay layer, 0.5 ft thick, very stiff, pale red 5r 7/3	- - 590 - - -	590			 Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded; trace (<5%) Gravel, fine grained, subangular; 10YR 4/2 (dark grayish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no cementation Poorly Graded SAND (SP), medium to coarse grained, subrounded; 10YR 4/2 (dark grayish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCl reaction, homogeneous, no HCl reaction, homogeneous, no cementation 	WWW MM	- - - 590 -	
I Molt (Croded SAND) with Crovel (SM) fine to medium created outrounded trace	- - 595 - -	-			FAT CLAY (CH), high plasticity; trace (<5%) Clay; very stiff, moist, no odor, laminated, no cementation, clay layer, 0.5 ft thick, very stiff, pale red 5r 7/3 Well-Graded SAND (SW), fine to coarse grained, subangular; trace (<5%) Gravel, fine grained, subangular; 10YR 4/2 (dark grayish brown / dark yellowish brown), loose, wet, no odor, no staining, no HCI reaction, homogeneous, no cementation, trace fine gravel	May Mary 1	- - - 595 -	3.0-in Sch. 80 PVC Stainless Steel Centralizer



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Lab Samples	1) ft = feet, bgs = below ground surface, in = inches, amsl = above mean sea level, DTW = depth to water, btoc = below top of casing, EPA =
٨	Environmental Protection Agency, EDB = ethylene dibromide, µg = micrograms, L = liter, API = American Petroleum Institute gamma ray unit
Aqueous	2) The boring diameter may be variable and is currently pending
	*Coordinates are in NAD83, State Plane NM Central, ft