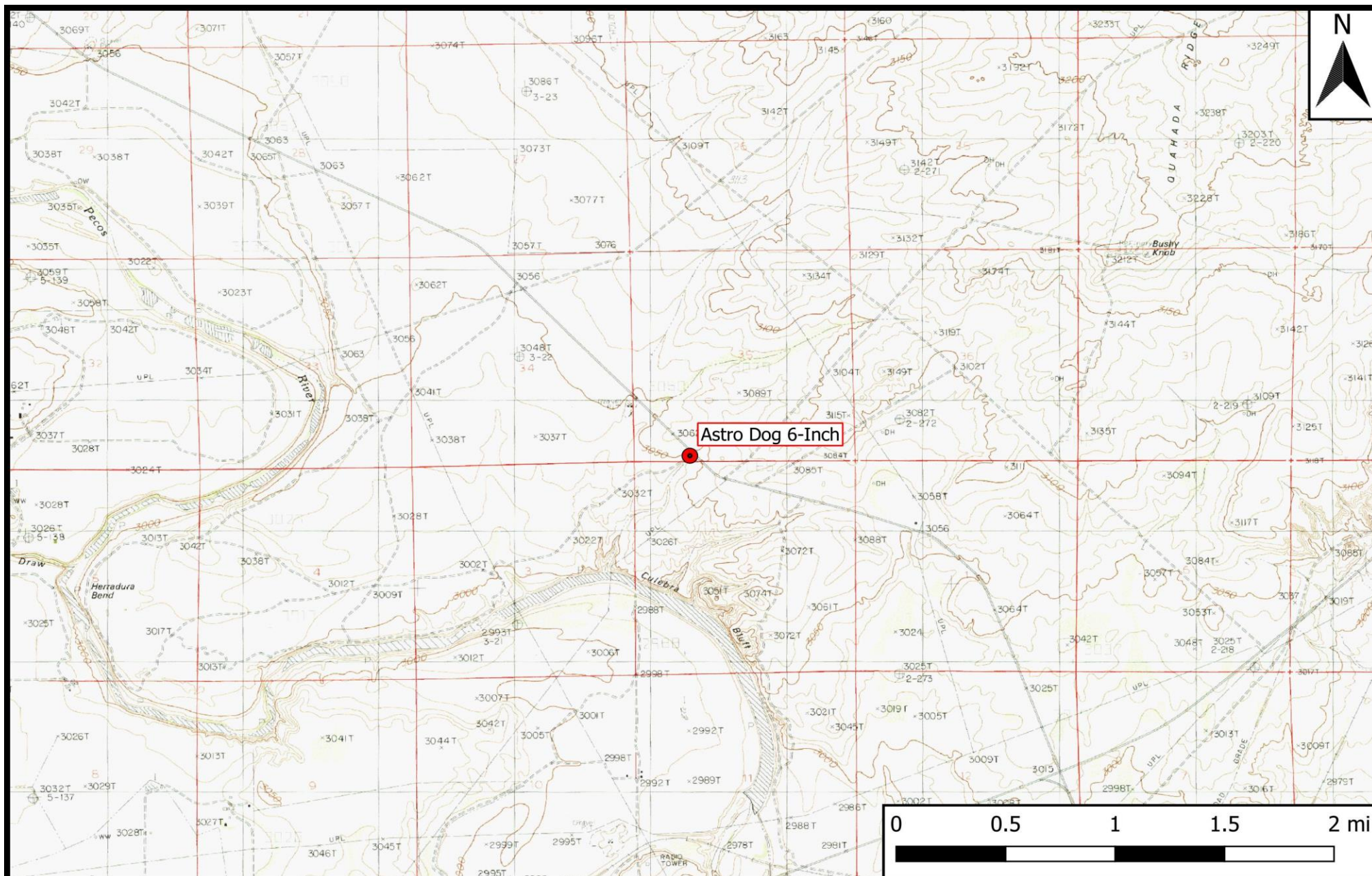


Figure 1
Topographic Map



Legend

- Site Location

Figure 1

Topographic Map
Plains All American
Astro Dog 6-Inch
GPS: 32.3424, -104.06245
Eddy County

ETECH

Environmental & Safety Solutions, Inc.

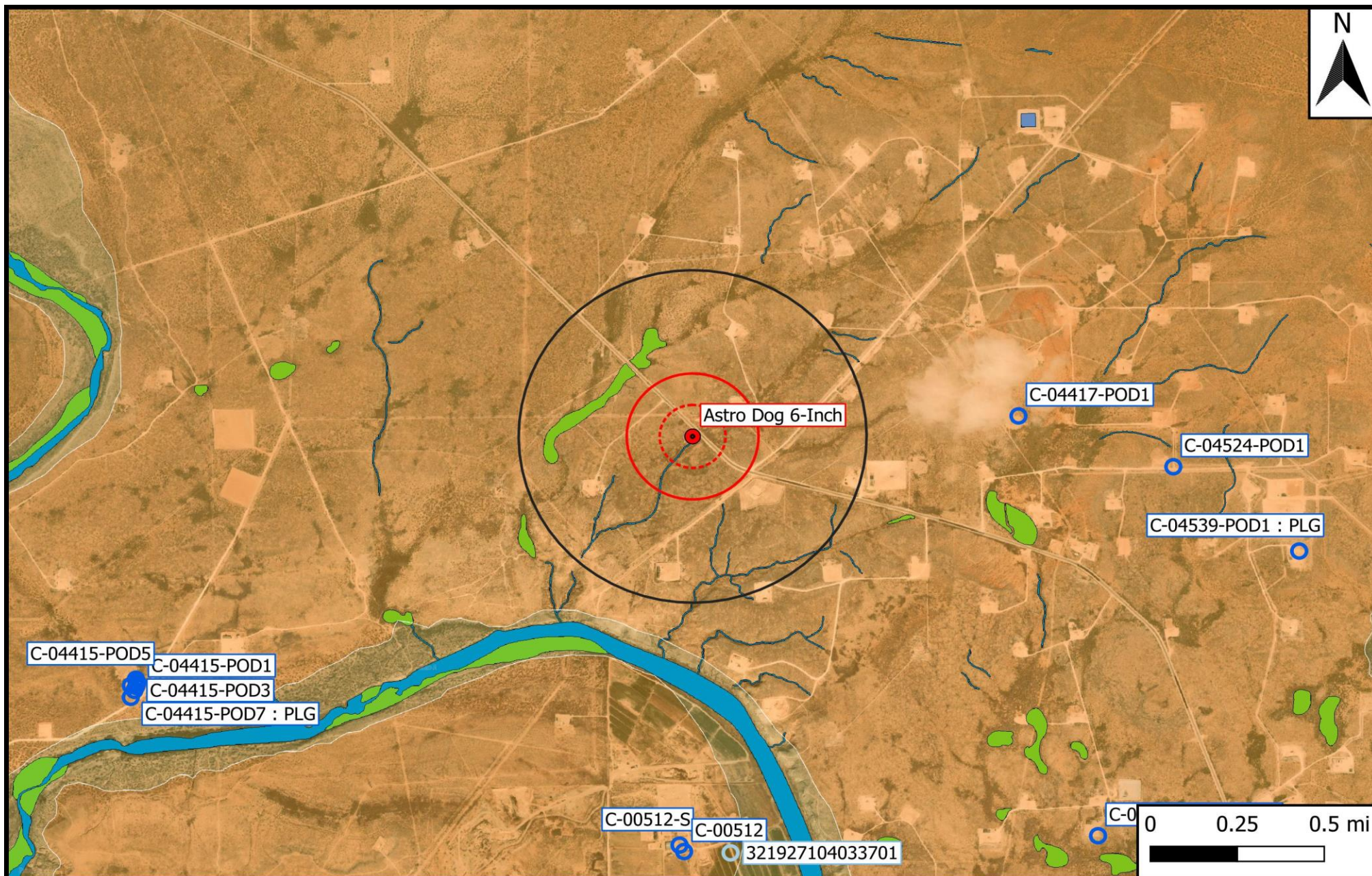


Drafted: mag

Checked: jwl

Date: 2/16/22

Figure 2
Aerial Proximity Map



Legend

- | | |
|---|---|
| ● Site Location | 500 Ft Radius |
| ○ Well - NMOSE | 1000 Ft Radius |
| ○ Well - USGS | 0.5 Mi Radius |
| — Potash Mine Workings | 1% Annual Flood Chance |
| Medium/High Karst | Lake/Freshwater Pond |
| | Emergent/Forested Wetlands |
| | Riverine |

Figure 2

Aerial Proximity Map

Plains All American

Astro Dog 6-Inch

GPS: 32.3424, -104.06245

Eddy County

eTECH

Environmental & Safety Solutions, Inc.



Drafted: mag

Checked: jwl

Date:

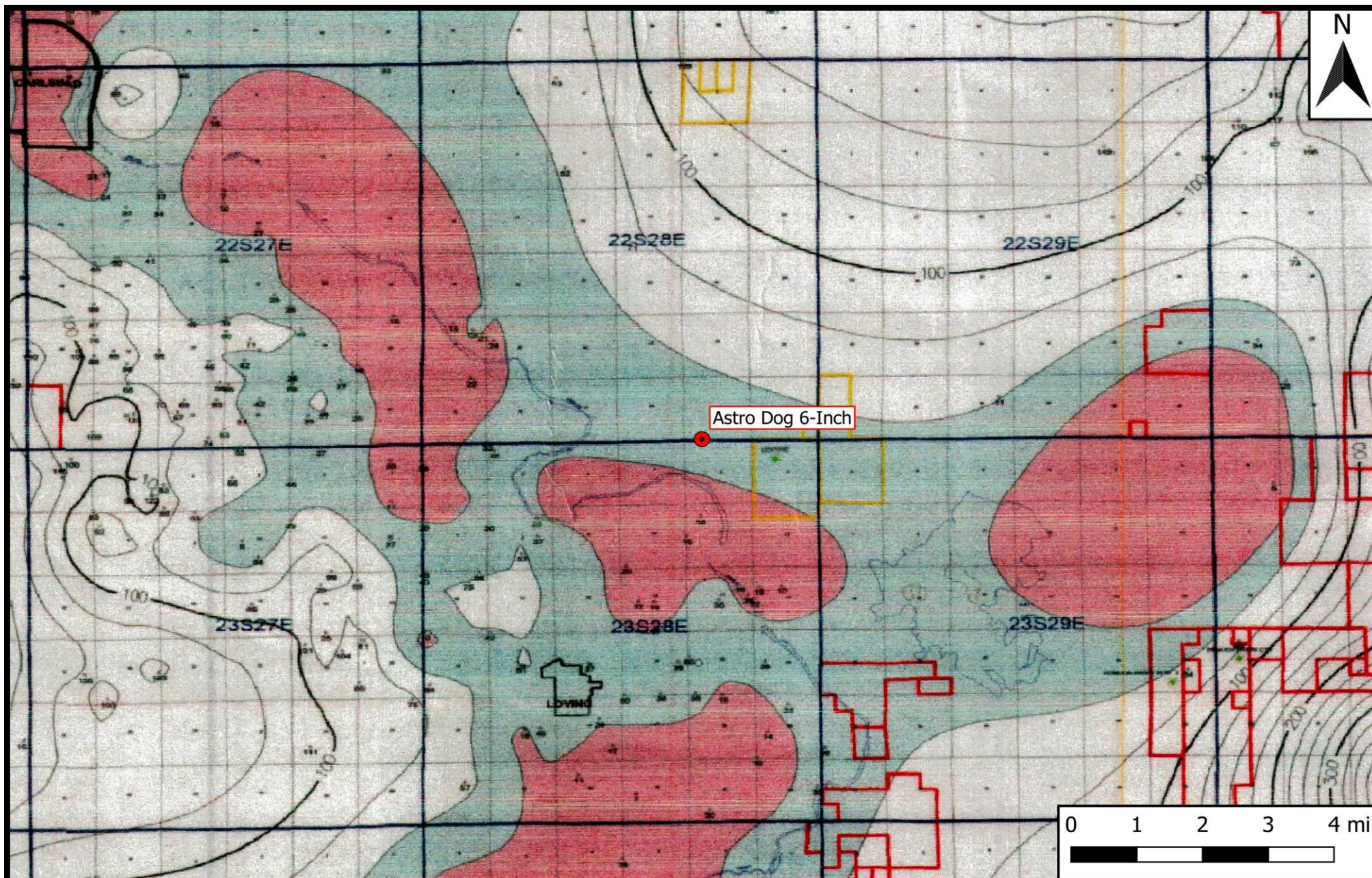
2/16/22

Figure 3
Site and Sample Location Map

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil

Appendix A

Depth to Groundwater Information



Legend

- Site Location

Figure 4

Inferred Depth to Groundwater Trend Map
 Plains All American
 Astro Dog 6-Inch
 GPS: 32.3424, -104.06245
 Eddy County

eTECH

Environmental & Safety Solutions, Inc.



Drafted: mag

Checked: jwl

Date: 2/16/22



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

		POD		Q Q Q												Water
POD Number	Code	Sub-basin	County	64	16	4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Column	
C_04417 POD1		CUB	ED	4	3	3	36	22S	28E	589736	3578874		1511	55		
C_00512 CLW198323	O	CUB	ED	4	1	1	11	23S	28E	588167	3576806*		1970	100		
C_00512 S		CUB	ED	4	1	1	11	23S	28E	588167	3576806*		1970	100		
C_00512		CUB	ED	4	1	1	11	23S	28E	588188	3576775		2000	175	15 160	
C_00512 EXPL	O	CUB	ED			1	11	23S	28E	588272	3576703*		2072	200	16 184	
C_04524 POD1		CUB	ED	1	1	2	01	23S	28E	590452	3578629		2229	55		
C_04216 POD2		CUB	ED	1	4	1	11	23S	28E	588465	3576555		2232	20	10 10	
C_04216 POD3		CUB	ED	1	4	1	11	23S	28E	588501	3576556		2235	23	13 10	
C_04216 POD1		CUB	ED	2	4	1	11	23S	28E	588488	3576534		2255	20	10 10	
C_00109		CUB	ED	1	3	3	04	23S	27E	588486	3576531		2258	168	120 48	
C_04216 POD4		CUB	ED	2	4	1	11	23S	28E	588499	3576513		2278	20	10 10	
C_00608		C	ED	3	3	1	11	23S	28E	587970	3576401*		2388	200		
C_04418 POD1		CUB	ED	4	2	1	12	23S	28E	590104	3576851		2687	55		
C_00315		CUB	ED	3	1	3	11	23S	28E	587973	3575995*		2792	100	45 55	
C_04415 POD5		CUB	ED	4	1	4	04	23S	28E	585652	3577605		2829	10		
C_04415 POD6		CUB	ED	4	1	4	04	23S	28E	585652	3577605		2829	10		
C_04415 POD1		CUB	ED	4	1	4	04	23S	28E	585657	3577591		2830	25	20 5	
C_04415 POD8		CUB	ED	4	1	4	04	23S	28E	585656	3577583		2834	27	23 4	
C_04415 POD2		CUB	ED	4	1	4	04	23S	28E	585653	3577570		2842	12		
C_04415 POD3		CUB	ED	4	1	4	04	23S	28E	585645	3577552		2857	11		
C_04539 POD1		CUB	ED	2	4	2	01	23S	28E	591034	3578223		2860	55		
C_04415 POD4		CUB	ED	3	1	4	04	23S	28E	585628	3577575		2863	11		
C_04415 POD7		CUB	ED	3	1	4	04	23S	28E	585628	3577518		2887	55	38 17	
C_00800		C	ED		4	2	09	23S	28E	586050	3576479*		3164	200	30 170	

Average Depth to Water: **29 feet**

Minimum Depth: **10 feet**

Maximum Depth: **120 feet**

Record Count: 24

UTM NAD83 Radius Search (in meters):

Easting (X): 588227.63

Northing (Y): 3578775.37

Radius: 3220

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 00512 CLW198323	4	1	1	11	23S	28E	588167	3576806* 

X

Driller License:		Driller Company:			
Driller Name:	J. F. KIMMELL				
Drill Start Date:		Drill Finish Date:		12/31/1946	Plug Date:
Log File Date:		PCW Rcv Date:		Source:	
Pump Type:		Pipe Discharge Size:		Estimated Yield: 200 GPM	
Casing Size:	16.00	Depth Well:		100 feet	Depth Water:

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/16/22 9:51 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y		
C	00512 EXPL				1	11	23S 28E	588272	3576703*		
Driller License: 24		Driller Company:		BRININSTOOL, M.D.							
Driller Name:		BRININSTOOL, M.D.									
Drill Start Date: 07/12/1971		Drill Finish Date:		07/17/1971		Plug Date:					
Log File Date: 10/15/1971		PCW Rev Date:				Source:		Shallow			
Pump Type:		Pipe Discharge Size:				Estimated Yield:					
Casing Size:		Depth Well:		200 feet		Depth Water:		16 feet			
Water Bearing Stratifications:		Top	Bottom	Description							
		16	35	Shallow Alluvium/Basin Fill							

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/16/22 8:36 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
C	00512 S	4	1	1	11	23S	28E	588167	3576806*
									
Driller License:					Driller Company:				
Driller Name: KIMMELL									
Drill Start Date: 12/31/1946		Drill Finish Date:		12/31/1946		Plug Date:			
Log File Date:		PCW Rcv Date:		10/22/1976		Source: Shallow			
Pump Type: TURBIN		Pipe Discharge Size:		3"		Estimated Yield:			
Casing Size: 16.00		Depth Well:		100 feet		Depth Water:			

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/16/22 8:35 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
NA	C 04417 POD1	4	3	3	36	22S	28E	589736	3578874

Driller License: 1789 **Driller Company:** HRL COMPLIANCE SOLUTIONS, INC

Driller Name: MARK MUMBY

Drill Start Date: 03/31/2020 **Drill Finish Date:** 03/31/2020 **Plug Date:**

Log File Date: 05/26/2020 **PCW Rev Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** 55 feet **Depth Water:**

Casing Perforations:	Top	Bottom
	45	55

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/16/22 8:29 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	00512	4	1	1	11	23S	28E	588188	3576775



Driller License: 24 **Driller Company:** BRININSTOOL, M.D.

Driller Name: BRININSTOOL, M.D.

Drill Start Date: 05/04/1975	Drill Finish Date: 05/20/1975	Plug Date:
Log File Date: 05/11/1976	PCW Rev Date: 10/22/1976	Source: Shallow
Pump Type: TURBIN	Pipe Discharge Size: 4"	Estimated Yield: 300 GPM
Casing Size: 16.00	Depth Well: 175 feet	Depth Water: 15 feet

Water Bearing Stratifications:	Top	Bottom	Description
	15	28	Shallow Alluvium/Basin Fill

Casing Perforations:	Top	Bottom
	15	90

Meter Number: 5520	Meter Make: MCCROMETER
Meter Serial Number: 02-4-1040	Meter Multiplier: 100.0000
Number of Dials: 6	Meter Type: Diversion
Unit of Measure: Gallons	Return Flow Percent:
Usage Multiplier:	Reading Frequency:

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
03/27/2002	2002	0	A	tw		0
05/07/2002	2002	391	A	tw		0.120
06/12/2002	2002	1914	A	tw		0.467
09/03/2002	2002	3920	A	tw		0.616
01/13/2003	2002	4253	A	tw		0.102
04/02/2003	2003	4451	A	tw		0.061
06/04/2003	2003	4729	A	tw		0.085
08/02/2003	2003	4932	A	tw		0.062
10/27/2003	2003	4932	A	tw		0
01/07/2004	2003	4932	A	tw		0
04/27/2004	2004	4932	A	tw		0
07/15/2004	2004	5085	A	tw		0.047
10/20/2004	2004	649	R	tw	Meter Rollover	305.527
01/03/2005	2004	649	A	tw		0
03/01/2005	2005	649	A	tw		0
07/06/2005	2005	675	A	tw		0.008
10/19/2005	2005	675	A	tw		0
01/05/2006	2005	675	A	tw		0
04/06/2006	2006	676	A	tw		0
07/06/2006	2006	676	A	tw		0

01/09/2007	2007	676	A	tw	0
01/03/2008	2007	55046	A	tw	16.686
04/24/2008	2008	85512	A	tw	9.350
07/17/2008	2008	98411	A	tw	3.959
10/02/2008	2008	103913	A	tw	1.689
01/15/2009	2008	104404	A	tw	0.151
04/22/2009	2009	123664	A	tw	5.911
08/04/2009	2009	142056	A	tw	5.644
01/06/2010	2009	160768	A	tw	5.743
06/02/2010	2010	160899	A	tw	0.040
01/12/2011	2010	160899	A	tw	0
01/23/2012	2011	170841	A	tw	3.051
03/12/2012	2012	170841	A	tw	0
07/24/2012	2012	171317	A	tw	0.146
02/13/2013	2012	171504	A	tw	0.057
11/05/2013	2013	172273	A	tw	0.236
07/22/2014	2014	172369	A	tw	0.029
02/24/2016	2015	172706	A	tw	0.103
08/11/2016	2016	178853	A	tw	1.886
12/27/2016	2016	172959	C	tw	Meter Reading Correction -1.809
07/18/2017	2017	173150	A	tw	0.059
01/08/2018	2017	173271	A	tw	0.037

x
****YTD Meter Amounts: Year Amount**

2002	1.305
2003	0.208
2004	305.574
2005	0.008
2006	0
2007	16.686
2008	15.149
2009	17.298
2010	0.040
2011	3.051
2012	0.203
2013	0.236
2014	0.029
2015	0.103
2016	0.077
2017	0.096

Meter Number:	15518	Meter Make:	MASTER
Meter Serial Number:	2680127	Meter Multiplier:	100.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	

x
Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
02/02/2012	2012	17	A	RPT		0

04/03/2012

2012

2594

A

RPT

0.791

x

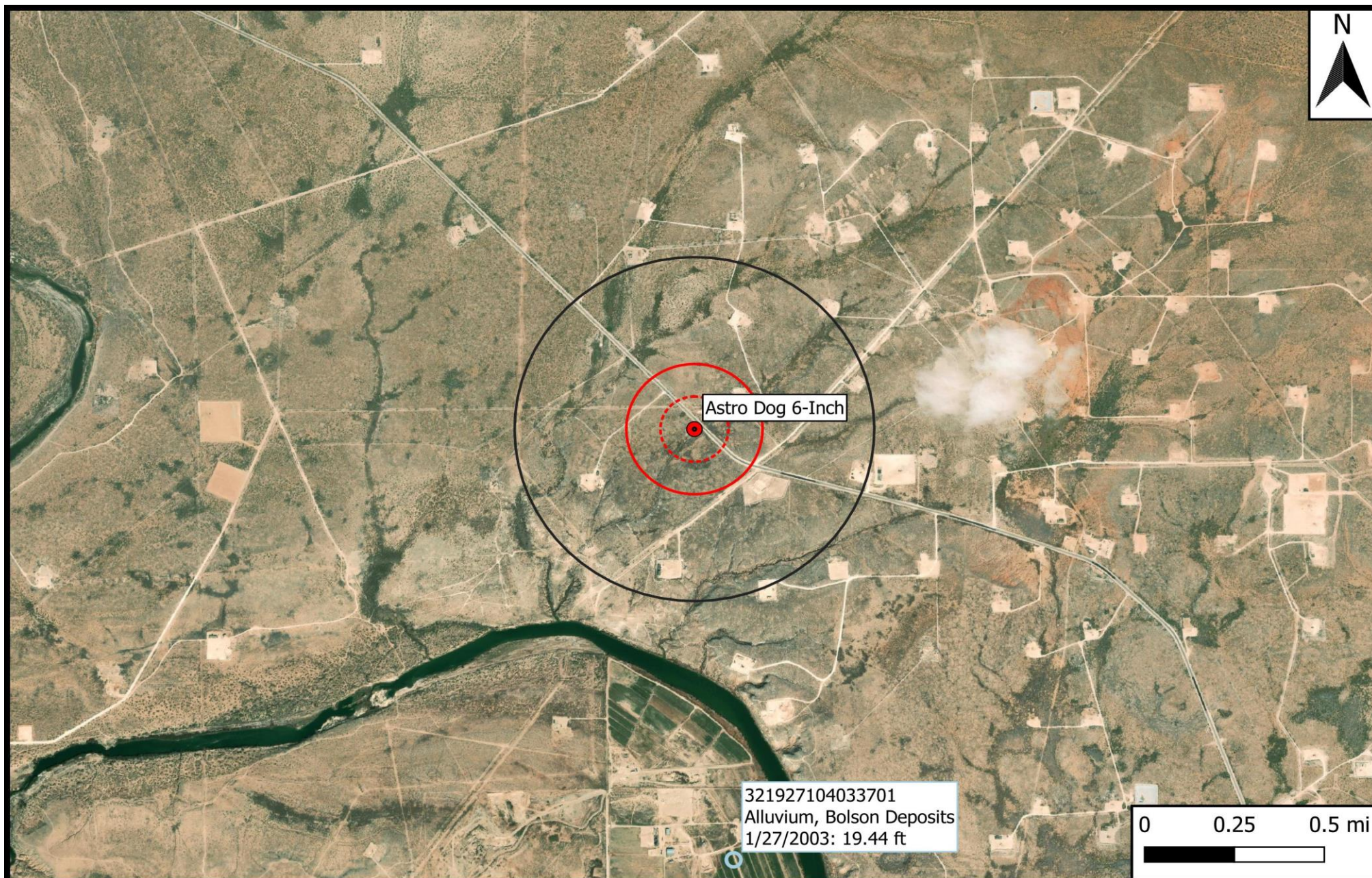
**YTD Meter Amounts:		Year	Amount
		2012	0.791

x

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/16/22 8:36 AM

POINT OF DIVERSION SUMMARY



- Legend
- Site Location
 - Well - USGS
 - ⋯ 500 Ft Radius
 - ▭ 1000 Ft Radius
 - ▭ 0.5 Mi Radius

Figure 5
 USGS Well Proximity Map
 Plains All American
 Astro Dog 6-Inch
 GPS: 32.3424, -104.06245
 Eddy County

23S.28E.11.114421



IMPORTANT [Classic Inventory Page](#) 

Monitoring location 321927104033701 is associated with a WELL in EDDY COUNTY, NEW MEXICO.
Water data back to 1947 are available online.

☐ 1 year ☐ 10 years

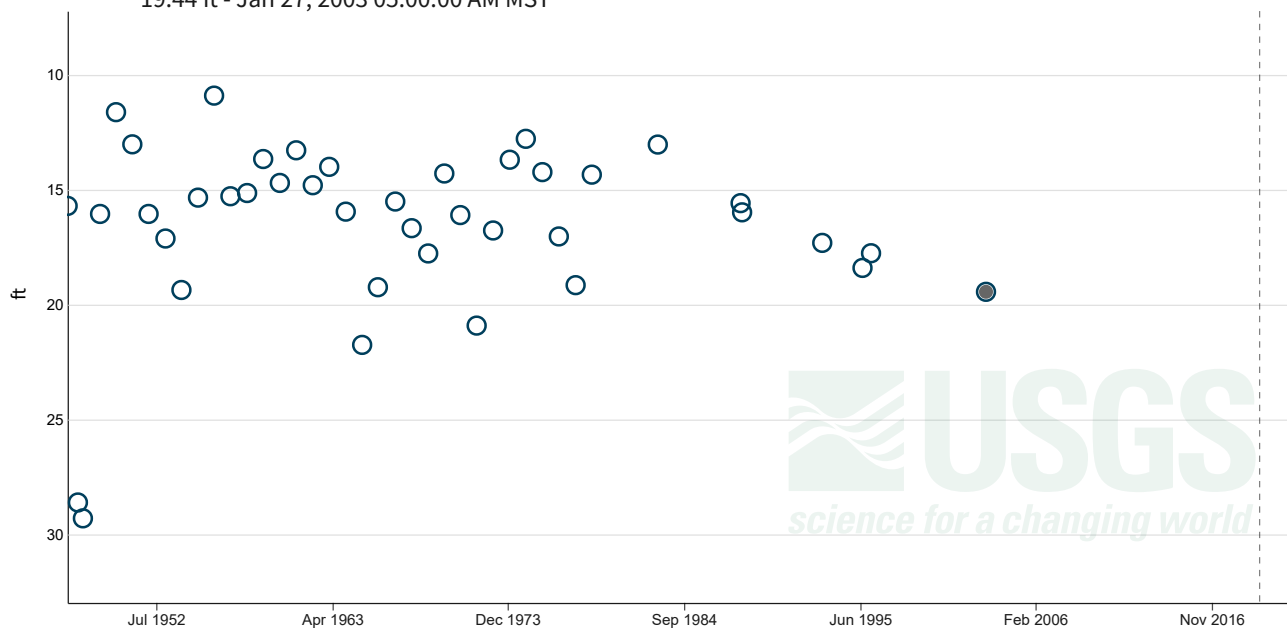
☒ Period of record

Change time span

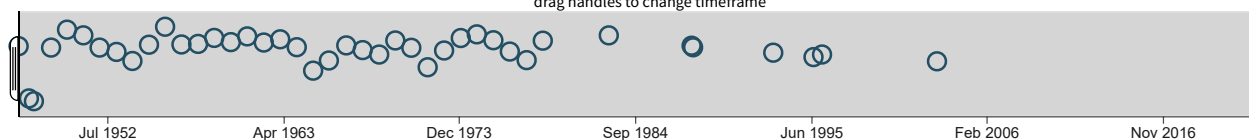
Retrieve data

Depth to water level, ft below land surface

19.44 ft - Jan 27, 2003 05:00:00 AM MST



drag handles to change timeframe



Questions or Comments

☐ Compare to last year☐ Display medianField visit: ☒ ApprovedIMPORTANT Data may be provisional - [learn more](#)

Select Data to Graph

1947-02-07 to 2003-01-27

☒ **Depth to water level, feet below land surface**

1947-02-07 to 2003-01-27

☐ **Groundwater level above NAVD 1988, feet**

1947-02-07 to 2003-01-27

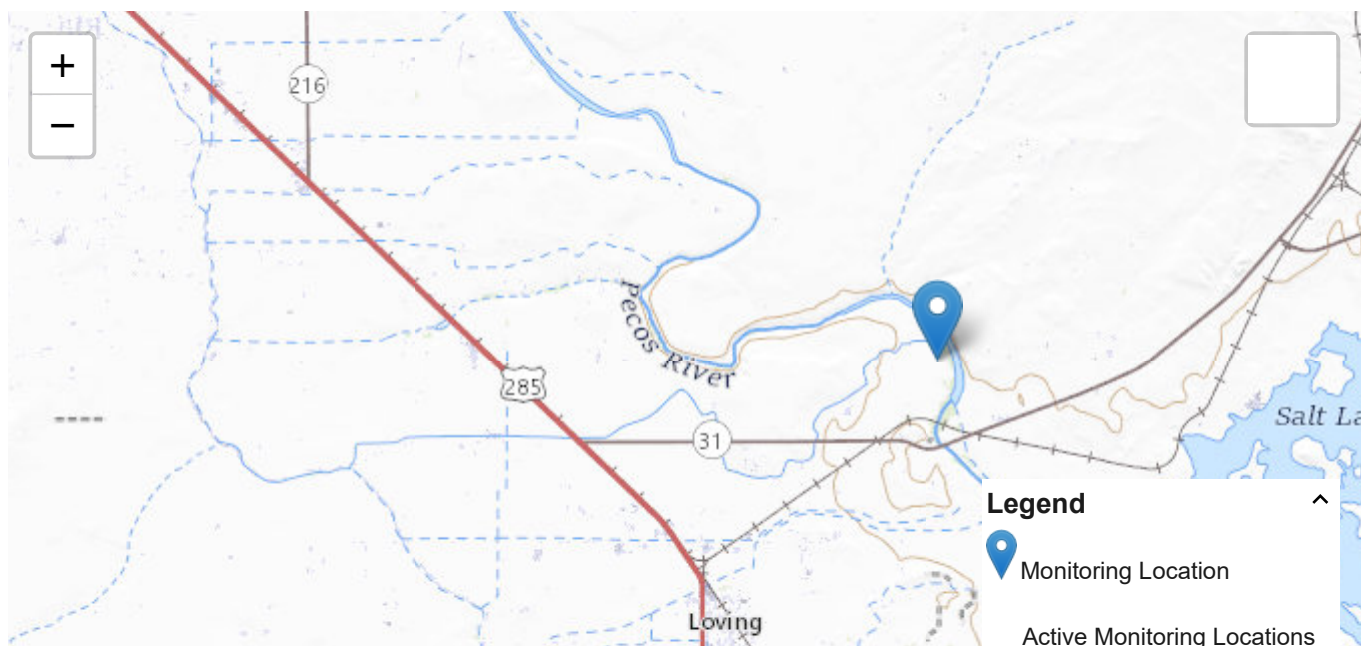
☐ **Groundwater level above NGVD 1929, feet**

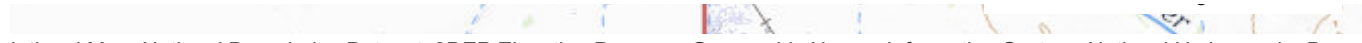
Hydrograph data table(s)

Groundwater Data BETA

Why don't I see a groundwater graph?

No groundwater level statistical daily data has been reported for this location.





National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography D...

[About the Network-Linked Data Index \(NLDI\).](#)

Affiliated Networks BETA

Summary of All Available Data

Location Metadata

[DOI Privacy Policy](#) | [Legal](#) | [Accessibility](#) | [Site Map](#) | [Contact USGS](#)

Follow

- - - - -

[U.S. Department of the Interior](#) | [DOI Inspector General](#) | [White House](#) | [E-gov](#) | [No Fear Act](#) | [FOIA](#)

Appendix B

Field Data and Soil Profile Logs

Appendix C

Laboratory Analytical Reports

Appendix D

Photographic Log