



303 Veterans Airpark Lane Midland, TX 79705

Closure Report

May 23, 2023

Re: Flounder State #1 Battery
Case nAPP2306046595

On 2/23/2023 a release occurred due a 4-inch nipple on water tank corroded. The release (GPS: 32.811716, -103.498607) is located west of Hobbs, New Mexico in unit letter C section 30 township 17S range 35E. A groundwater survey was conducted utilizing NMOSE wells of record. All documented wells in the vicinity of the release were greater than 50 feet to groundwater with the shallowest well at 70 feet.

The pasture area was excavated to a depth of 2.5 feet. 5-point bottom and wall composite samples were collected not to exceed 200 square feet. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Laboratory analysis for chloride were above table one standards for releases 51 to 100 feet to groundwater at B1, 3, 4, 5, 6, and 7. Those areas on the pad were excavated to a depth of 6 inches. 5-point bottom and wall composite samples were collected not to exceed 200 square feet. All samples collected were submitted to a commercial laboratory for analysis of chloride and W2 sample for chloride, TPH, and BTEX. All excavated material was hauled to an OCD approved disposal facility. The lease pad was backfilled with imported caliche to restore the pad. The pasture was backfilled with imported topsoil to ground surface and contoured to the surrounding area. The pasture area will be reseeded once NMSLO approves the revegetation and noxious weed plan attached in the report.

Apache Corporation has remediated the release to below table one standards and respectfully request closure of event nAPP2306046595.

Enclosed: C-141, Groundwater Data, Maps, Sample Data, Laboratory Results, Photos, and Revegetation and Noxious Weed Plan.

Submitted by.

Larry Baker

Environmental Technician

larry.baker@apachecorp.com

Office # 432-818-1654

Cell# 432-250-8384

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>70</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Larry Baker Title: Environmental Tech Sr. Staff

Signature: *Larry Baker* Date: 5/23/2023

email: larry.baker@apachecorp.com Telephone: 432-250-8384

OCD Only

Received by: Jocelyn Harimon Date: 05/24/2023

Incident ID	NAPP2306046595
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Larry Baker Title: Environmental Tech Sr. Staff
 Signature: Larry Baker Date: 5/23/2023
 email: larry.baker@apachecorp.com Telephone: 432-250-8384

OCD Only

Received by: Jocelyn Harimon Date: 05/24/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Nelson Velez Date: 08/15/2023
 Printed Name: Nelson Velez Title: Environmental Specialist – Adv

From: [Baker, Larry](#)
To: [Nobui, Jennifer, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: Final Sampling Notice nAPP2306046595
Date: Tuesday, April 11, 2023 10:41:00 AM

All,

Apache Corporation will be conducting final samples at the Flounders State # 1 (nAPP2306046595) in accordance with 19.15.29 NMAC on Thursday 4/13/2023 at 10:00 a.m. MST. Please let me know if you have any questions or wish to discuss. Thanks and have a good day.

BRUCE BAKER

ENVIRONMENTAL TECHNICIAN SR STAFF

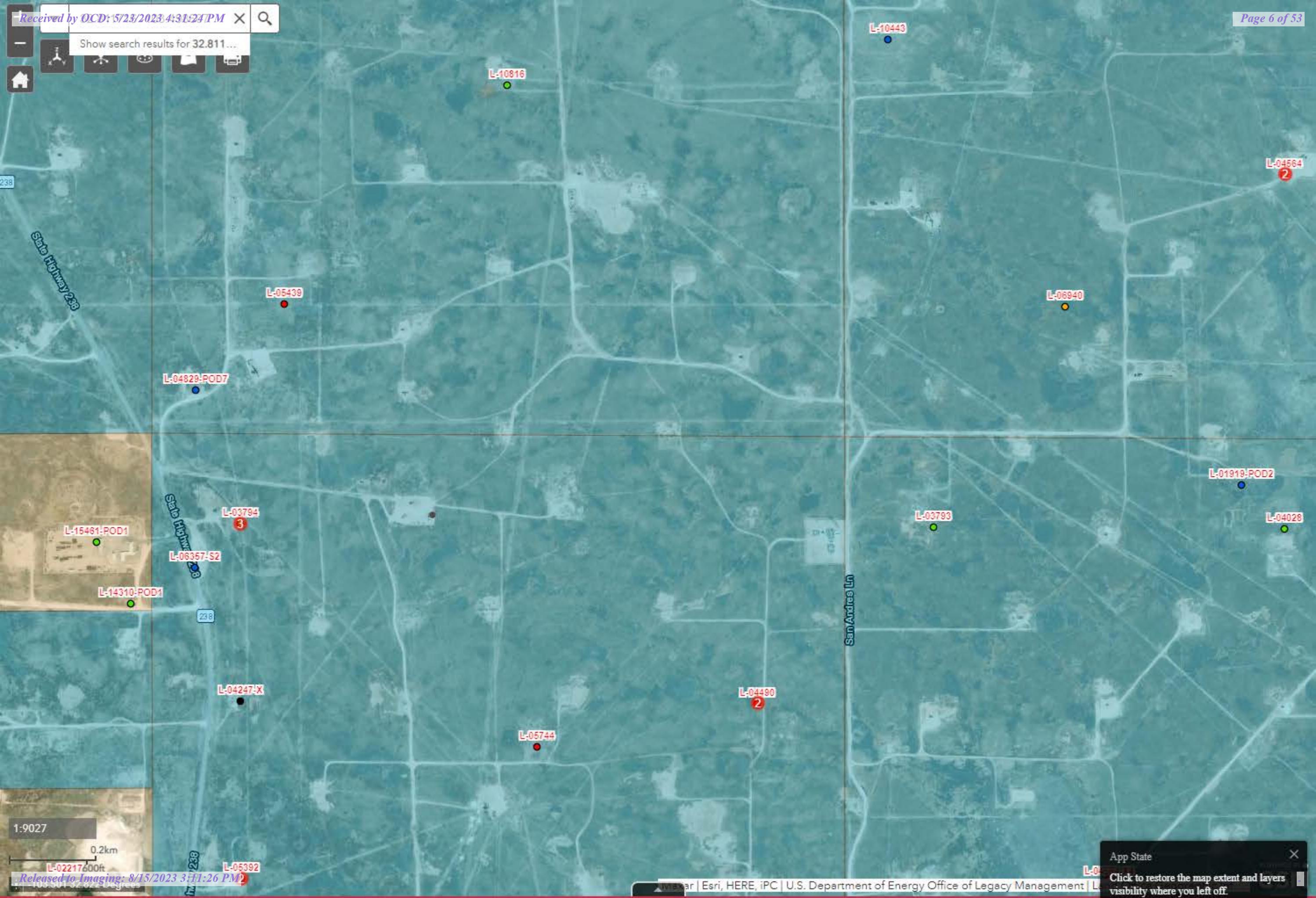
direct 432-818-1654 | Cell 432-250-8384

APACHE CORPORATION

303 Veterans Airpark Lane
Midland, TX 79705

[ApacheCorp.com](#) | [LinkedIn](#) | [Facebook](#) | [Twitter](#) | [StockTwits](#) | [YouTube](#)

Show search results for 32.811...



1:9027

0.2km

Click to restore the map extent and layers visibility where you left off.



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
L	06357 S	1	1	30	17S	35E	640119	3631386*	<input type="checkbox"/>

Driller License:	46	Driller Company:	ABBOTT BROTHERS COMPANY		
Driller Name:	ABBOTT, FLOYD				
Drill Start Date:	09/18/1972	Drill Finish Date:	09/20/1972	Plug Date:	07/26/1999
Log File Date:	10/10/1972	PCW Rev Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:	7.00	Depth Well:	163 feet	Depth Water:	85 feet

Water Bearing Stratifications:	Top	Bottom	Description
	80	163	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	98	163

*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.

5/23/23 2:53 PM

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
NA	L 06357 S2	3	1	1	30	17S	35E	640017	3631285 <input type="checkbox"/>

Driller License: 982	Driller Company: EADES, GENE	
Driller Name: KATHY EADES		
Drill Start Date: 06/20/1989	Drill Finish Date: 06/20/1989	Plug Date:
Log File Date: 07/25/1989	PCW Rev Date: 08/04/1989	Source: Shallow
Pump Type: SUBMER	Pipe Discharge Size: 6	Estimated Yield: 35 GPM
Casing Size: 6.75	Depth Well: 230 feet	Depth Water: 130 feet

Water Bearing Stratifications:	Top	Bottom	Description
	130	230	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	150	230

Meter Number: 8460	Meter Make: SENSUS
Meter Serial Number: 1634725	Meter Multiplier: 1.0000
Number of Dials: 8	Meter Type: Diversion
Unit of Measure: Gallons	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
03/31/2003	2003	2835259	A	jw		0
06/30/2003	2003	3183600	A	jw		1.069
09/30/2003	2003	3909500	A	jw		2.228
12/31/2003	2003	4163197	A	jw		0.779
06/30/2004	2004	5980585	A	jw		5.577
09/30/2004	2004	6181415	A	jw		0.616
12/31/2004	2004	7022242	A	jw		2.580
03/31/2005	2005	7509187	A	jw		1.494
07/05/2005	2005	7970975	A	jw		1.417
10/04/2005	2005	8410086	A	jw		1.348
12/30/2005	2005	8967400	A	RPT		1.710
03/31/2006	2006	9278459	A	RPT		0.955
06/30/2006	2006	11348068	A	RPT		6.351
09/30/2006	2006	12994009	A	RPT		5.051
01/02/2009	2008	22453914	A	RPT		29.031
10/01/2011	2011	34652759	A	RPT		37.437
01/01/2012	2011	35494880	A	RPT		2.584

10/01/2012	2012	38342550	A	RPT	8.739
12/31/2012	2012	40840632	A	RPT	7.666
04/01/2013	2013	43840396	A	RPT	9.206
07/01/2013	2013	45079135	A	RPT	3.802
10/01/2013	2013	47309342	A	RPT	6.844
01/02/2014	2013	49009708	A	RPT	5.218
04/01/2014	2014	50809019	A	RPT	5.522
07/01/2014	2014	51723325	A	RPT	2.806
10/01/2014	2014	53102185	A	RPT	4.232
12/31/2014	2014	54887614	A	RPT	5.479
04/01/2015	2015	55330549	A	RPT	1.359
07/01/2015	2015	55769631	A	RPT	1.347
10/01/2015	2015	56264350	A	RPT	1.518
01/04/2016	2015	57031795	A	RPT	2.355
07/01/2016	2016	57847800	A	RPT	2.504
10/01/2016	2016	79705900	A	RPT	67.080
01/02/2017	2017	1061670	R	RPT Meter Rollover	65.538
04/03/2017	2017	1171973	A	RPT	0.339

**YTD Meter Amounts:		
Year	Amount	
2003	4.076	
2004	8.773	
2005	5.969	
2006	12.357	
2008	29.031	
2011	40.021	
2012	16.405	
2013	25.070	
2014	18.039	
2015	6.579	
2016	69.584	
2017	65.877	

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.

5/23/23 2:53 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(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
L	04829 POD7	3	3	3	19	17S	35E	640012	3631688* <input type="checkbox"/>

Driller License: 99	Driller Company: O.R. MUSSELWHITE WATER WELL SE	
Driller Name: MUSSELWHITE, O.R. (LD)		
Drill Start Date: 03/25/1968	Drill Finish Date: 03/30/1968	Plug Date:
Log File Date: 04/04/1968	PCW Rev Date: 06/24/1968	Source: Shallow
Pump Type: SUBMER	Pipe Discharge Size: 200	Estimated Yield:
Casing Size: 10.75	Depth Well: 210 feet	Depth Water: 70 feet

*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.

5/23/23 2:54 PM

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
L	04247 POD5	3	1	3	31	17S	35E	640040	3628781 <input type="checkbox"/>

Driller License: 46	Driller Company: ABBOTT BROTHERS COMPANY	
Driller Name: ABBOTT, FLOYD		
Drill Start Date: 01/14/1974	Drill Finish Date: 01/25/1974	Plug Date:
Log File Date: 02/06/1974	PCW Rev Date: 04/19/1974	Source: Shallow
Pump Type: TURBIN	Pipe Discharge Size: 6	Estimated Yield: 1000 GPM
Casing Size: 14.00	Depth Well: 235 feet	Depth Water: 95 feet

Water Bearing Stratifications:	Top	Bottom	Description
	100	230	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	100	230

Meter Number: 8868	Meter Make: BADGER
Meter Serial Number: 12425518	Meter Multiplier: 100.0000
Number of Dials: 6	Meter Type: Diversion
Unit of Measure: Gallons	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
12/31/2019	2019	217434	A	dd		0
01/31/2020	2020	323932	A	dd		32.683
03/31/2020	2020	501708	A	dd		54.557
04/30/2020	2020	570597	A	dd		21.141
05/31/2020	2020	579747	A	dd		2.808
08/31/2020	2020	788859	A	dd		64.174
09/30/2020	2020	868382	A	dd		24.405
10/31/2020	2020	951850	A	dd		25.615
11/30/2020	2020	38893	R	dd	Meter Rollover	26.713
12/31/2020	2020	131681	A	dd		28.476
03/31/2021	2021	378958	A	dd		75.887
04/30/2021	2021	466876	A	dd		26.981
05/31/2021	2021	490058	A	dd		7.114
06/30/2021	2021	518945	A	dd		8.865
07/31/2021	2021	585914	A	dd		20.552
08/31/2021	2021	675533	A	dd		27.503
09/30/2021	2021	723346	A	dd		14.673

10/30/2021	2021	796676	A	dd		22.504
11/30/2021	2021	863882	A	dd		20.625
12/31/2021	2021	937001	A	dd		22.439
01/31/2022	2022	22417	R	dd	Meter Rollover	26.213
02/28/2022	2022	88827	A	dd		20.380
03/31/2022	2022	176685	A	dd		26.963
04/30/2022	2022	264246	A	dd		26.871
05/31/2022	2022	355444	A	dd		27.988
06/30/2022	2022	435683	A	dd		24.624
08/31/2022	2022	611770	A	dd		54.039
09/30/2022	2022	690857	A	dd		24.271
10/31/2022	2022	772042	A	dd		24.915
11/30/2022	2022	854649	A	dd		25.351
12/31/2022	2022	941476	A	dd		26.646
01/31/2023	2023	23544	R	dd	Meter Rollover	25.186

**YTD Meter Amounts:	Year	Amount
	2005	0
	2006	0
	2019	0
	2020	280.572
	2021	247.143
	2022	308.261
	2023	25.186

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.

5/23/23 2:55 PM

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
L	04247 POD7	1	3	3	31	17S	35E	640057	3628750 <input type="checkbox"/>

Driller License: 368 **Driller Company:** EXPIRED LAYNE CHRISTENSEN COMPANY

Driller Name: DAVID MCCURDY

Drill Start Date: 03/22/2013	Drill Finish Date: 03/25/2013	Plug Date:
Log File Date: 09/19/2014	PCW Rcv Date: 04/28/2016	Source: Shallow
Pump Type: SUBMER	Pipe Discharge Size: 3	Estimated Yield: 180 GPM
Casing Size: 12.75	Depth Well: 240 feet	Depth Water: 240 feet

Water Bearing Stratifications:	Top	Bottom	Description
	140	246	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	160	230

Meter Number: 18465	Meter Make: FOXBORO
Meter Serial Number: 970901D312	Meter Multiplier: 1.0000
Number of Dials: 9	Meter Type: Diversion
Unit of Measure: Gallons	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
10/31/2019	2019	212536114	A	RPT		0
12/31/2019	2019	221315693	A	dd		26.944
01/31/2020	2020	222851040	A	dd		4.712
03/31/2020	2020	232311218	A	dd		29.032
04/30/2020	2020	234100186	A	dd		5.490
05/31/2020	2020	234100203	A	dd		0
08/31/2020	2020	247648379	A	DJ		41.578
09/30/2020	2020	251821191	A	DJ		12.806
10/31/2020	2020	255971116	A	DJ		12.736
11/30/2020	2020	260006118	A	DJ		12.383
12/31/2020	2020	263927220	A	DJ		12.033
02/28/2021	2021	271255791	A	DJ		22.491
03/31/2021	2021	271782528	A	DJ		1.616
04/30/2021	2021	271782528	A	DJ		0
05/31/2021	2021	271782658	A	DJ		0
06/30/2021	2021	271782666	A	DJ		0
07/31/2021	2021	272878764	A	DJ		3.364

08/31/2021	2021	277287438	A	DJ	13.530
09/30/2021	2021	279935153	A	DJ	8.126
10/31/2021	2021	283735606	A	DJ	11.663
11/30/2021	2021	287647730	A	DJ	12.006
12/31/2021	2021	291454699	A	DJ	11.683
01/31/2022	2022	295100699	A	DJ	11.189
02/28/2022	2022	298322659	A	DJ	9.888
03/31/2022	2022	301790952	A	DJ	10.644
04/30/2022	2022	305023238	A	DJ	9.920
05/31/2022	2022	308282964	A	DJ	10.004
06/30/2022	2022	311422611	A	DJ	9.635
08/31/2022	2022	317741587	A	DJ	19.392
09/30/2022	2022	320849328	A	dd	9.537
10/31/2022	2022	324049966	A	dd	9.822
11/30/2022	2022	327112450	A	dd	9.398
12/31/2022	2022	330286935	A	dd	9.742
01/31/2023	2023	333414620	A	dd	9.599

**YTD Meter Amounts:	Year	Amount
	2019	26.944
	2020	130.770
	2021	84.479
	2022	119.171
	2023	9.599

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.

5/23/23 2:55 PM

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
L	06357	1	1	1	06	17S	35E	639916	3637933* <input type="checkbox"/>

Driller License: 353	Driller Company: OSBOURN DRILLING & PUMP CO.	
Driller Name: OSBOURN, FLOYD MILTON		
Drill Start Date: 06/26/1970	Drill Finish Date: 07/06/1970	Plug Date:
Log File Date: 04/02/1971	PCW Rev Date: 04/02/1971	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 265 GPM
Casing Size: 8.63	Depth Well: 220 feet	Depth Water: 80 feet

Water Bearing Stratifications:	Top	Bottom	Description
	80	100	Sandstone/Gravel/Conglomerate
	140	160	Sandstone/Gravel/Conglomerate
	190	205	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	80	100
	140	160
	180	210

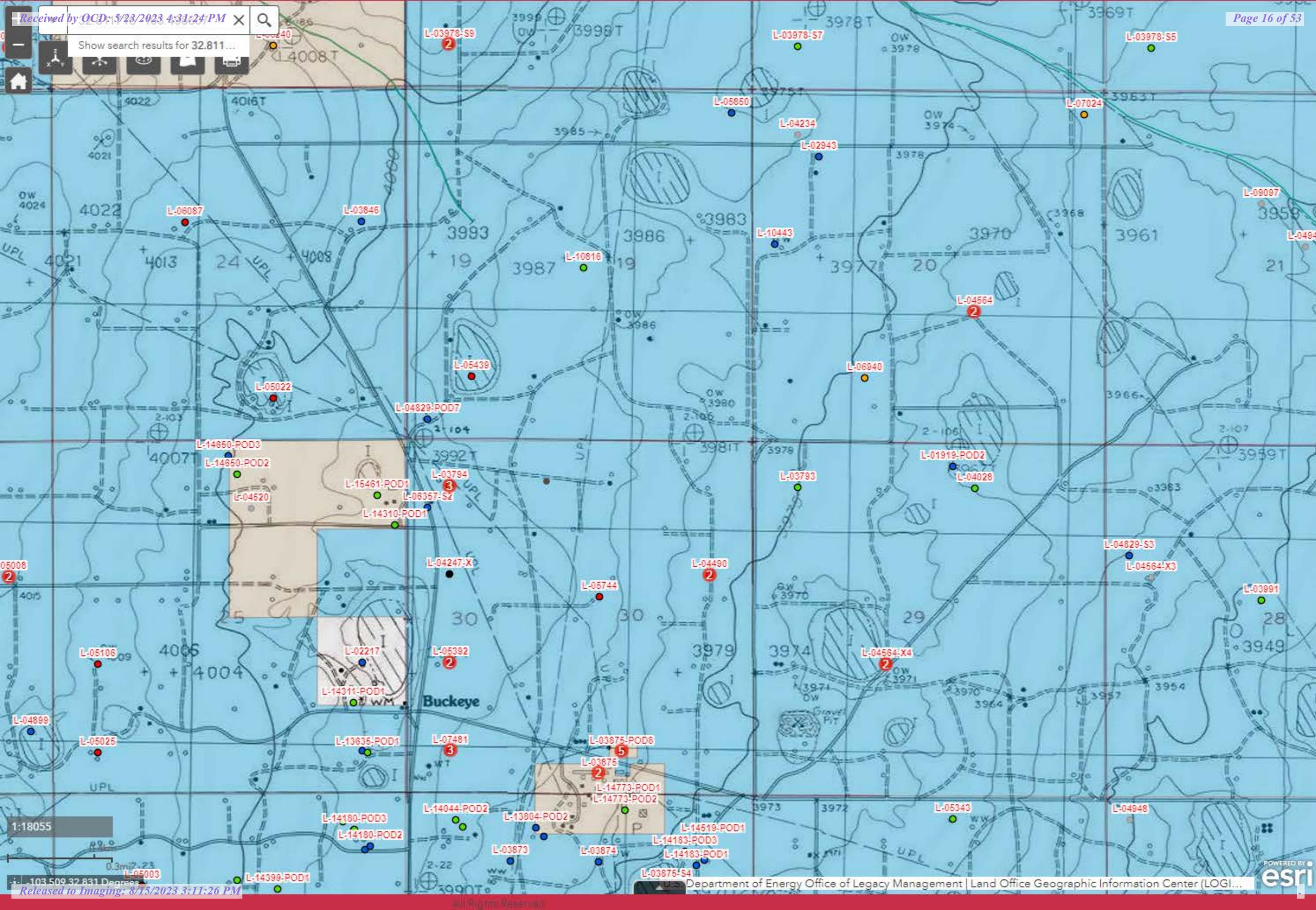
*UTM location was derived from PLSS - see Help

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.

5/23/23 2:52 PM

POINT OF DIVERSION SUMMARY

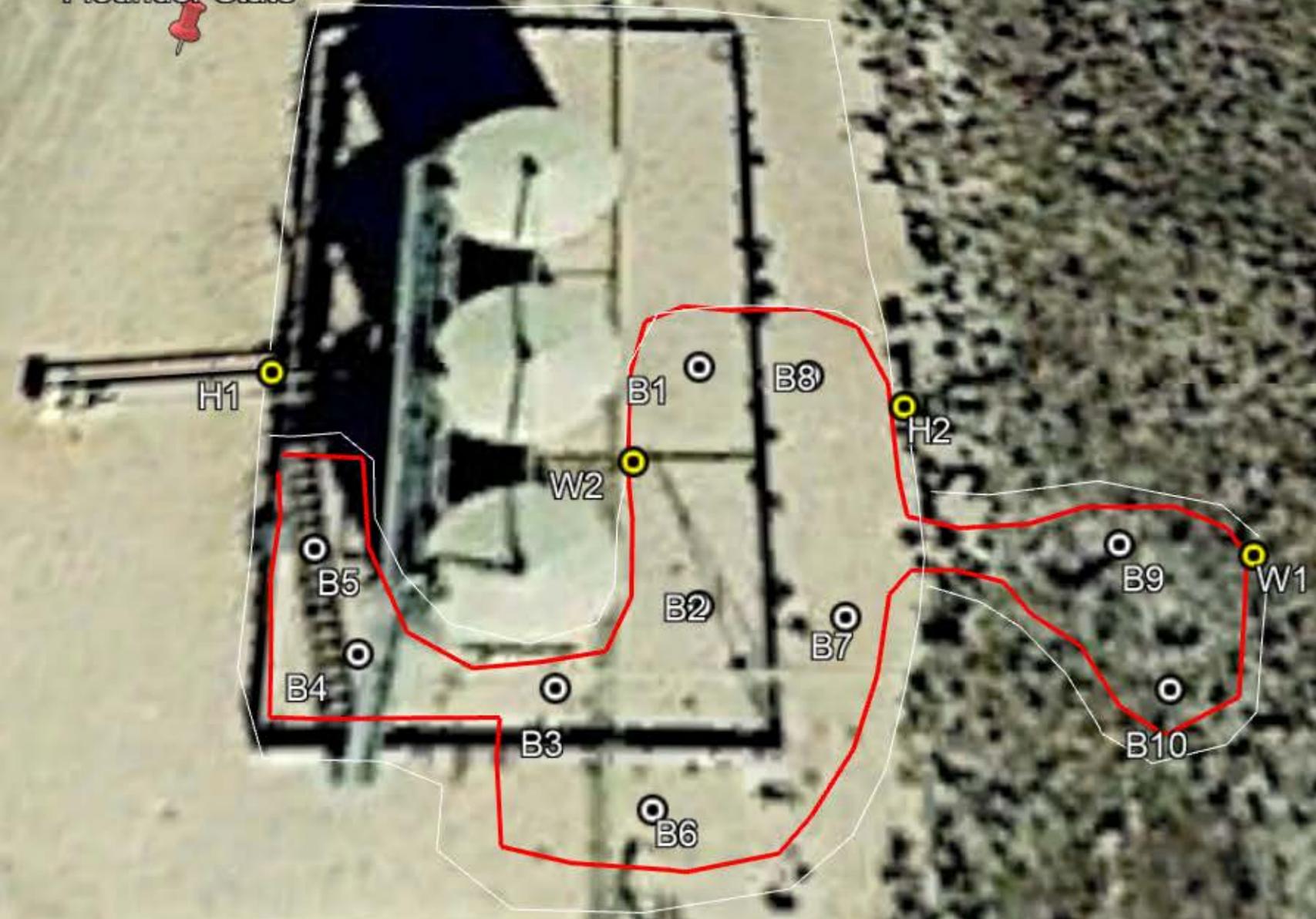
Show search results for 32.811...



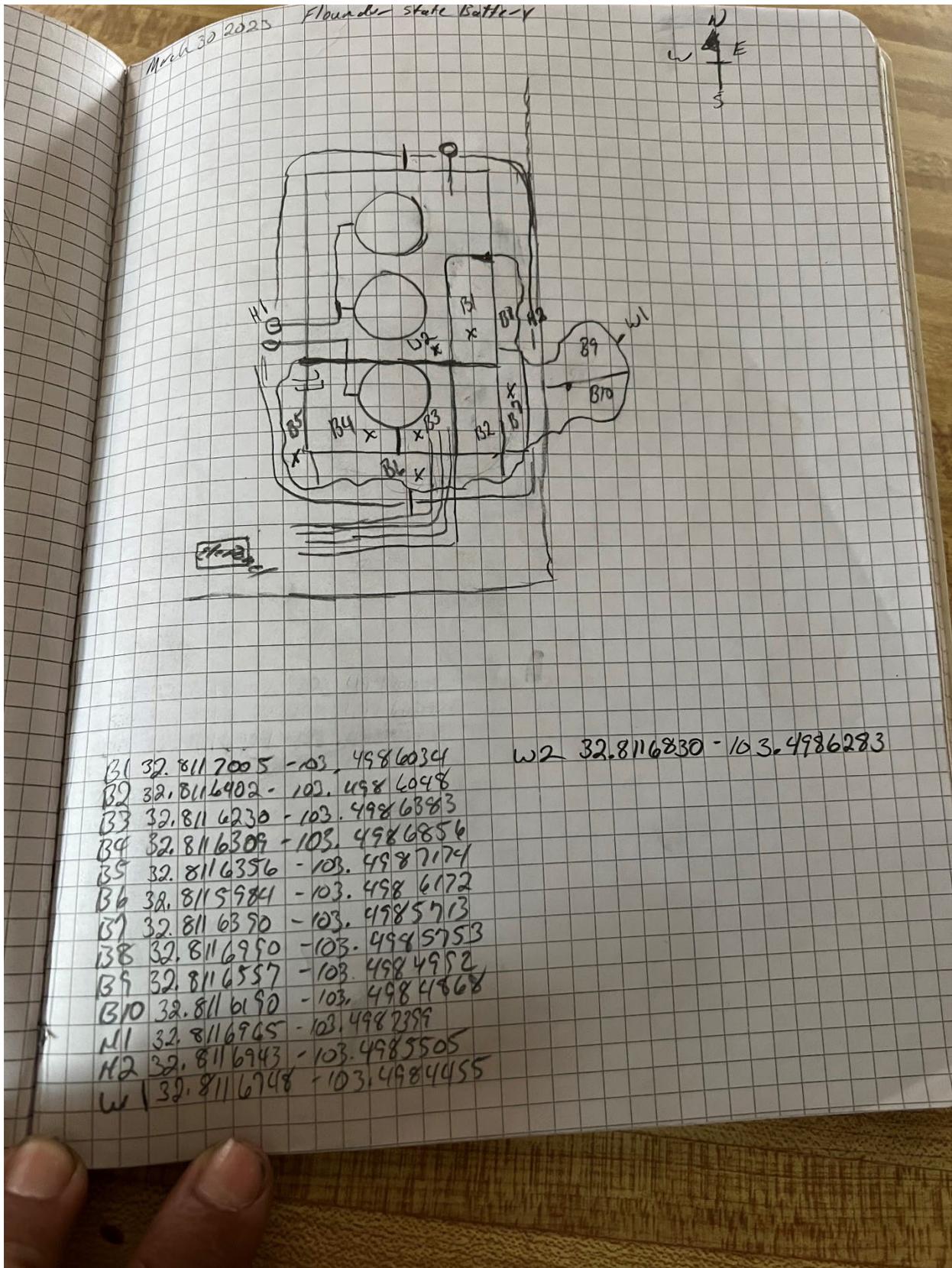
1:18055

0.3mi 2.23

Flounder State



30 ft





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 21, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: FLOUNDER ST. 1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/17/23 16:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	04/17/2023	Sampling Date:	04/17/2023
Reported:	04/21/2023	Sampling Type:	Soil
Project Name:	FLOUNDER ST. 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 1 SURFACE (H231841-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.98	98.9	2.00	11.3	
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	102	2.00	12.6	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.22	111	2.00	14.5	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.77	113	6.00	14.9	
Total BTEX	<0.300	0.300	04/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14600	16.0	04/19/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	166	82.9	200	1.10	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	171	85.5	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	04/17/2023	Sampling Date:	04/17/2023
Reported:	04/21/2023	Sampling Type:	Soil
Project Name:	FLOUNDER ST. 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 2 SURFACE (H231841-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.98	98.9	2.00	11.3	
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	102	2.00	12.6	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.22	111	2.00	14.5	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.77	113	6.00	14.9	
Total BTEX	<0.300	0.300	04/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8660	16.0	04/19/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	166	82.9	200	1.10	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	171	85.5	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	04/17/2023	Sampling Date:	04/17/2023
Reported:	04/21/2023	Sampling Type:	Soil
Project Name:	FLOUNDER ST. 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 3 SURFACE (H231841-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.98	98.9	2.00	11.3	
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	102	2.00	12.6	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.22	111	2.00	14.5	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.77	113	6.00	14.9	
Total BTEX	<0.300	0.300	04/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24000	16.0	04/19/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	166	82.9	200	1.10	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	171	85.5	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	04/17/2023	Sampling Date:	04/17/2023
Reported:	04/21/2023	Sampling Type:	Soil
Project Name:	FLOUNDER ST. 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 4 SURFACE (H231841-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.98	98.9	2.00	11.3	
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	102	2.00	12.6	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.22	111	2.00	14.5	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.77	113	6.00	14.9	
Total BTEX	<0.300	0.300	04/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23600	16.0	04/19/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	166	82.9	200	1.10	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	171	85.5	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	04/17/2023	Sampling Date:	04/17/2023
Reported:	04/21/2023	Sampling Type:	Soil
Project Name:	FLOUNDER ST. 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 5 SURFACE (H231841-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.98	98.9	2.00	11.3	
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	102	2.00	12.6	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.22	111	2.00	14.5	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.77	113	6.00	14.9	
Total BTEX	<0.300	0.300	04/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15200	16.0	04/19/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	166	82.9	200	1.10	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	171	85.5	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	04/17/2023	Sampling Date:	04/17/2023
Reported:	04/21/2023	Sampling Type:	Soil
Project Name:	FLOUNDER ST. 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 6 SURFACE (H231841-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.98	98.9	2.00	11.3	
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	102	2.00	12.6	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.22	111	2.00	14.5	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.77	113	6.00	14.9	
Total BTEX	<0.300	0.300	04/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20000	16.0	04/19/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	166	82.9	200	1.10	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	171	85.5	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	04/17/2023	Sampling Date:	04/17/2023
Reported:	04/21/2023	Sampling Type:	Soil
Project Name:	FLOUNDER ST. 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 7 SURFACE (H231841-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.98	98.9	2.00	11.3	
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	102	2.00	12.6	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.22	111	2.00	14.5	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.77	113	6.00	14.9	
Total BTEX	<0.300	0.300	04/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24400	16.0	04/19/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	166	82.9	200	1.10	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	171	85.5	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	04/17/2023	Sampling Date:	04/17/2023
Reported:	04/21/2023	Sampling Type:	Soil
Project Name:	FLOUNDER ST. 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 8 SURFACE (H231841-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.98	98.9	2.00	11.3	
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	102	2.00	12.6	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.22	111	2.00	14.5	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.77	113	6.00	14.9	
Total BTEX	<0.300	0.300	04/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6660	16.0	04/19/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	166	82.9	200	1.10	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	171	85.5	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	04/17/2023	Sampling Date:	04/17/2023
Reported:	04/21/2023	Sampling Type:	Soil
Project Name:	FLOUNDER ST. 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 9 @ 2' 6" (H231841-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.98	98.9	2.00	11.3	
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	102	2.00	12.6	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.22	111	2.00	14.5	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.77	113	6.00	14.9	
Total BTEX	<0.300	0.300	04/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	04/19/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	166	82.9	200	1.10	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	171	85.5	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	04/17/2023	Sampling Date:	04/17/2023
Reported:	04/21/2023	Sampling Type:	Soil
Project Name:	FLOUNDER ST. 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 10 @ 2' 6" (H231841-10)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2023	ND	1.84	92.2	2.00	3.67		
Toluene*	<0.050	0.050	04/20/2023	ND	1.98	98.9	2.00	1.73		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	1.92	96.1	2.00	2.96		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	5.95	99.2	6.00	2.80		
Total BTEX	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	04/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	166	82.9	200	1.10		
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	171	85.5	200	0.911		
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND						

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	04/17/2023	Sampling Date:	04/17/2023
Reported:	04/21/2023	Sampling Type:	Soil
Project Name:	FLOUNDER ST. 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: H 1 (H231841-11)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.84	92.2	2.00	3.67	
Toluene*	<0.050	0.050	04/20/2023	ND	1.98	98.9	2.00	1.73	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	1.92	96.1	2.00	2.96	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	5.95	99.2	6.00	2.80	
Total BTEX	<0.300	0.300	04/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/19/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	166	82.9	200	1.10	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	171	85.5	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	04/17/2023	Sampling Date:	04/17/2023
Reported:	04/21/2023	Sampling Type:	Soil
Project Name:	FLOUNDER ST. 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: H 2 (H231841-12)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.84	92.2	2.00	3.67	
Toluene*	<0.050	0.050	04/20/2023	ND	1.98	98.9	2.00	1.73	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	1.92	96.1	2.00	2.96	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	5.95	99.2	6.00	2.80	
Total BTEX	<0.300	0.300	04/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/19/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	166	82.9	200	1.10	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	171	85.5	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	04/17/2023	Sampling Date:	04/17/2023
Reported:	04/21/2023	Sampling Type:	Soil
Project Name:	FLOUNDER ST. 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W 1 BGS 0-2' 6" (H231841-13)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	1.84	92.2	2.00	3.67	
Toluene*	0.066	0.050	04/20/2023	ND	1.98	98.9	2.00	1.73	
Ethylbenzene*	0.050	0.050	04/20/2023	ND	1.92	96.1	2.00	2.96	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	5.95	99.2	6.00	2.80	
Total BTEX	<0.300	0.300	04/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/19/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	166	82.9	200	1.10	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	171	85.5	200	0.911	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <i>Apache</i>		BILL TO				ANALYSIS REQUEST															
Project Manager: <i>B. Baker</i>		P.O. #:																			
Address:		Company:																			
City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88240</i>		Attn:																			
Phone #: Fax #:		Address:																			
Project #: Project Owner:		City:																			
Project Name:		State: Zip:																			
Project Location: <i>Flounder 5F1 Battery</i>		Phone #:																			
Sampler Name:		Fax #:																			
FOR LAB USE ONLY																					
Lab I.D.		MATRIX				PRESERV.				SAMPLING											
Sample I.D.		GROUNDWATER				ACID/BASE:				DATE				TIME							
		WASTEWATER				ICE / COOL															
		SOIL				OTHER:															
		OIL																			
		SLUDGE																			
		OTHER:																			
<i>H231841</i>																					
<i>11 411</i>										<i>4/17</i>				<i>11:06</i>							
<i>12 42</i>														<i>11:08</i>							
<i>13 W1 BGS0-2'6"</i>														<i>11:10</i>							

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>Sara Keene</i>		Date: <i>4/17/23</i>		Received By: <i>Ivan Orosco</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: <i>2:30</i>						All Results are emailed. Please provide Email address:			
Relinquished By: <i>Ivan Orosco</i>		Date: <i>4-17-23</i>		Received By: <i>Lamara Aldaba</i>		REMARKS: <i>E-Mail Results</i>			
Time: <i>4:10 pm</i>						Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush			
Delivered By: (Circle One)		Observed Temp. °C <i>1.2</i>		Sample Condition		Thermometer ID #113			
Sampler - UPS - Bus - Other:		Corrected Temp. °C <i>0.6</i>		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Correction Factor -0.6°C			
				Checked By: <i>YO</i>		Bacteria (only) Sample Condition			
						Cool Intact Observed Temp. °C			
						<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C			

FORM-006 R 3.3 07/18/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 03, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: FLOUNDER ST. 1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/27/23 16:23.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	04/27/2023	Sampling Date:	04/27/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	FLOUNDER ST. 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 1 @ 6" (H232091-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	05/01/2023	ND	432	108	400	0.00	

Sample ID: B3 @ 6" (H232091-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1500	16.0	05/01/2023	ND	432	108	400	0.00	

Sample ID: B 4 @ 6" (H232091-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1550	16.0	05/01/2023	ND	432	108	400	0.00	

Sample ID: B 5 @ 6" (H232091-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	05/01/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	04/27/2023	Sampling Date:	04/27/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	FLOUNDER ST. 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 6 @ 6" (H232091-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	05/01/2023	ND	432	108	400	0.00	

Sample ID: B 7 @ 6" (H232091-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	05/01/2023	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 19, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: FLOUNDER ST. 1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/18/23 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	FLOUNDER ST. 1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W 2 @ 6" (H232531-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.43	122	2.00	6.28	
Toluene*	<0.050	0.050	05/18/2023	ND	2.41	120	2.00	6.93	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.35	118	2.00	7.24	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	7.14	119	6.00	7.26	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	05/19/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	173	86.4	200	7.58	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	183	91.7	200	10.9	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <i>Apache</i>		BILL TO				ANALYSIS REQUEST																							
Project Manager: <i>B. Baker</i>		P.O. #:																											
Address:		Company:																											
City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88240</i>		Attn:																											
Phone #: Fax #:		Address:																											
Project #: Project Owner:		City:																											
Project Name:		State: Zip:																											
Project Location: <i>Flounder St. 1 Battery</i>		Phone #:																											
Sampler Name: <i>José Quenche</i>		Fax #:																											
FOR LAB USE ONLY																													
Lab I.D. <i>H232531</i>		Sample I.D. <i>1 W206"</i>		(G)RAB OR (C)OMP. <i>C</i>	# CONTAINERS <i>1</i>	MATRIX				PRESERV.		SAMPLING																	
				GROUNDWATER	WASTEWATER	SOIL	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME															
						<i>1</i>	<i>4</i>				<i>1</i>	<i>✓</i>	<i>5/18</i>	<i>2:16</i>	<i>1</i>	<i>1</i>	<i>1</i>												

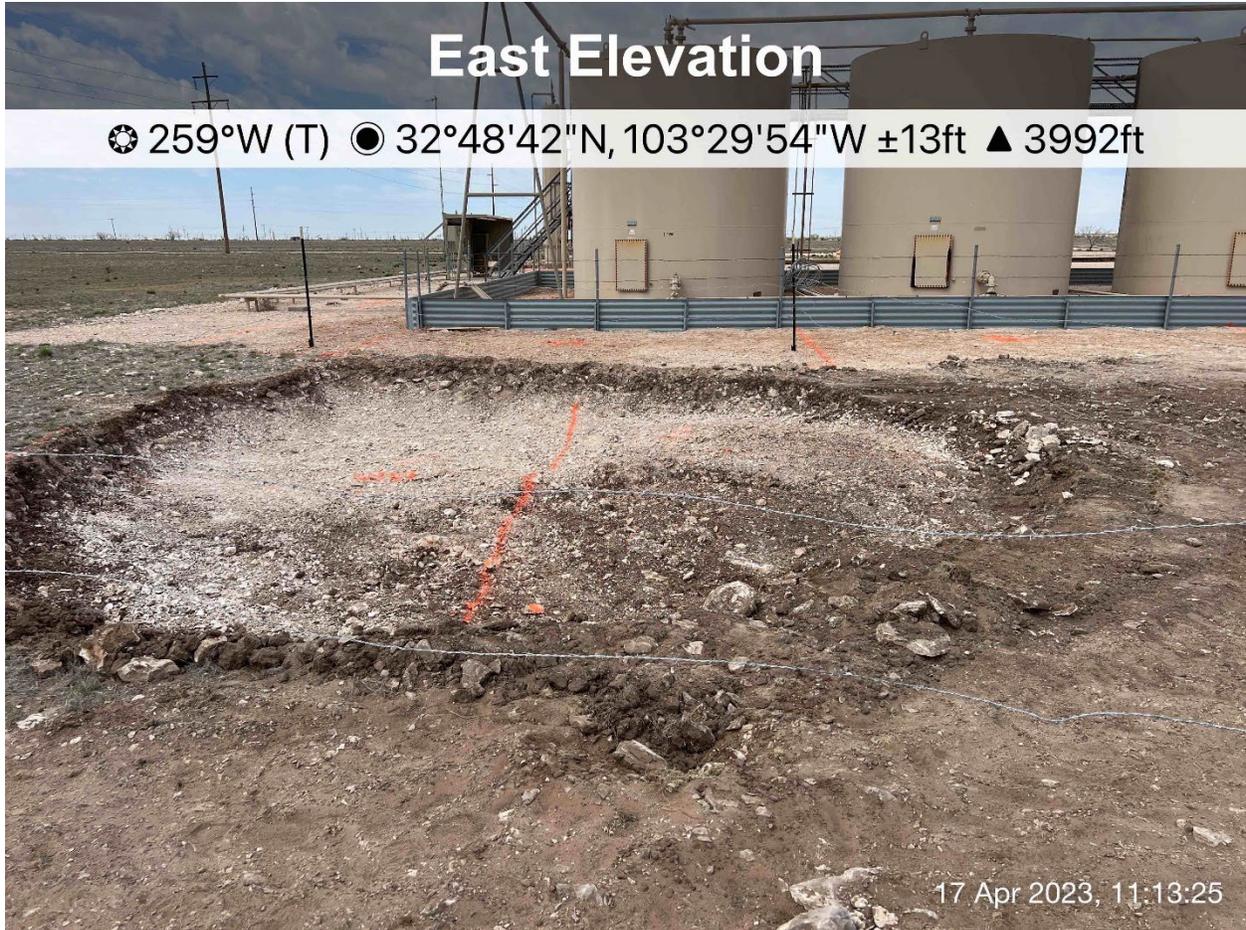
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>José Quenche</i>	Date: <i>5/18/23</i>	Received By: <i>Tamara Redaker</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: <i>3:30pm</i>	Received By:	All Results are emailed. Please provide Email address:	
Delivered By: (Circle One)	Observed Temp. °C <i>34</i>	Sample Condition <i>✓</i>	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	Bacteria (only) <input checked="" type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C <i>28</i>	Checked By: (Initials) <i>TQ</i>	Thermometer ID #113	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
			Correction Factor -0.6°C	Sample Condition Observed Temp. °C
				Corrected Temp. °C

REMARKS: *E-mail Results 24hr*

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com













**Flounders State # 1 Battery
nAPP2306046595
Revegetation
And
Noxious Weed Plan**

Revegetation Plan:

All the disturbed area in the pasture will be properly prepared and reseeded with NMSLO shallow seed mixture. The disturbed area will be monitored to ensure successful revegetation is achieved. If revegetation is not successful after a couple of growing seasons the site will be reseeded.

Noxious Weed Plan:

Apache Corporation will treat noxious weeds if they become established within the area of remediation. Weed control will be maintained on the disturbed land where noxious weeds exist both prior to remediation and restoration. Apache Corporation will consult with the Authorized Officer for acceptable weed control methods.

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 219922

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 219922
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation has met rule requirements. Impacts above the reclamation standards has been left in place and is required to be addressed once site is no longer reasonably needed for production or drilling ops.	8/15/2023