Devon Energy

Snapping 2 State 6 & 7 Battery

Section 2, Township 26S, Range 31E
Eddy County, New Mexico

CLOSURE REPORT
30-015-39165

NRM2003153740

March 7, 2025

Prepared for:
Devon Energy Production Company
6488 Seven Rivers Highway
Artesia, NM 88210

By:
Safety & Environmental Solutions, Inc.
703 East Clinton Street
Hobbs, New Mexico 88240
(575) 397-0510

Company Contacts

Representative	Company	Telephone	E-mail
Jim Raley	Devon	575-689-7597	jim.raley@dvn.com
Armando Aguirre	SESI	575-397-0510	aaguirre@sesi-nm.com

Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was engaged by Devon Energy to perform a site assessment at the Snapping 2 State 6 & 7 battery concerning a release on the location. The release occurred on November 2, 2019, with a produced water release volume of 62 bbls when water tanks ran over due to high level alarm failure. A vacuum truck was dispatched and recovered 60 bbls of fluid. This release was assigned to incident number NRM2003153740. All fluids released remained inside the containment. This site is situated in Eddy County, Unit Letter O, Section 2, Township 26S, and Range 31E.

SESI personnel performed an assessment of the tank battery liner in December of 2020 at the request of the operator. SESI photo documented the liner inspection and observed several defects in the liner. Repair of those defects was conducted and documented within this attached report.

Surface and Ground Water

According to the NMOCD Oil and Gas map contained in this report, there is no surface water within 2,000 feet of this release. According to the records of the New Mexico Office of the State Engineer, the average depth to groundwater in the area is between 300' and 375', as demonstrated by two wells within a half mile of the release that are less than 25 years old. The well files are in this report and are identified by NMOSE as C03639 and C04256.

On June 15, 2022, a temporary well with the identifier POD 1 (TW-1)/OSE File Number C-4637 was drilled 55 feet below the surface of the ground. No groundwater was discovered. The POD is located on the adjacent location to the West of the Snapping 2 State 6 and 7.

Characterization

Table I
Closure Criteria for Soils Impacted by a Release

Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
51 feet-100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
>100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

*Or other test methods approved by the division.
**Numerical limits or natural background level, whichever is greater.
***This applies to releases of produced water or other fluids, which may contain chloride.
[19.15.29.12 NMAC - N, 8/14/2018]

The absence of groundwater above 55' bgs in POD Number C-4637 changes the contaminate target requirement to 10,000 ppm Chlorides, and 2,500 ppm TPH.

Release Area (NRM2003153740), Investigation:

According to the C-141 for this release, all fluids remained in containment, and all but 2 bbls were recovered by vacuum truck. As previously mentioned, a liner inspection has been performed in December 2020. On March 3, 2021, SESI personnel identified and repaired the nine breaches in the liner. The holes in the liner were repaired without sampling below the liner to determine if any contaminates had migrated into the soil below the liner.

Corrective Action

On March 9, 2023, SESI collected soil samples below the liner in the locations repaired in March 2021. After the samples were taken, the liner was repaired. Samples were taken at the surface and 1-foot intervals until field testing indicated the samples to meet target levels. For liner samples #3 through #9, auger refusal was encountered at a depth of 5 and 8 inches, resulting in the collection of only surface soil samples immediately under the liner. Photo documentation is provided for your review.

All soil samples were properly packaged, preserved, and transported to Hall Laboratories via Chain of Custody for analyses of Chloride (Cl Method 300.0), Diesel Organics (DRO Method 8015 M/D), Gasoline Range (GRO Method 8015D), Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX Method 8021B). The results are tabulated in the table below:

Devon –Snapping 2 State 6 & 7 Battery Sample Collection Date: 03/09/2023 Soil Sample Results: Hall Environmental Analysis Laboratory (2303643)								
Sample ID	**Chloride (mg/Kg)**	**Benzene (mg/Kg)**	**Toluene (mg/Kg)**	**Ethylbenzene (mg/Kg)**	**Xylenes, Total (mg/Kg)**	**GRO (mg/Kg)**	**DRO (mg/Kg)**	**MRO (mg/Kg)**
Liner #1 Surface	ND	ND	ND	ND	ND	ND	110	210
Liner #1 1'	ND	ND	ND	ND	ND	ND	29	60
Liner #2 Surface	ND	ND	ND	ND	ND	ND	110	160
Liner #2 1'	320	ND	ND	ND	ND	ND	ND	ND
Liner #3 Surface	2700	ND	ND	ND	ND	ND	16	ND
Liner #4 Surface	460	ND	ND	ND	ND	ND	220	300
Liner #5 Surface	820	ND	ND	ND	ND	ND	ND	ND
Liner #6 Surface	87	ND	ND	ND	ND	ND	120	170
Liner #7 Surface	ND	ND	ND	ND	ND	ND	25	45
Liner #8 Surface	ND	ND	ND	ND	ND	ND	ND	ND
Liner #9 Surface	310	ND	ND	ND	ND	ND	670	900

On February 12, 2025, SESI conducted delineation sampling at two specific areas identified in the initial deferral/closure report. In Section 31 of the closure report, the location of a "Hole in liner marked #10" is noted, and on Page 32, a photo is labeled "Staining on North side facing South." SESI collected a representative set of five-point composite samples from the walls and base of the identified areas, as well as individual grab samples from any visibly wet or discolored regions. All soil samples were appropriately packaged, preserved, and transported to Cardinal Laboratories via Chain of Custody for analysis. The analyses included testing for Chloride (Cl Method 300.0), Diesel Range Organics

(DRO Method 8015 M/D), Gasoline Range Organics (GRO Method 8015D), and Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX Method 8021B). The analytical results are summarized in the table below:

Devon –Snapping 2 State 6 & 7 Battery Sample Collection Date: 02/12/2025 Cardinal Laboratories (H250896)								
Sample ID	**Chloride (mg/Kg)**	**Benzene (mg/Kg)**	**Toluene (mg/Kg)**	**Ethylbenzene (mg/Kg)**	**Xylenes, Total (mg/Kg)**	**GRO C6-C10 (mg/Kg)**	**DRO >C10-C28 (mg/Kg)**	**EXT DRO >C28-C36 (mg/Kg)**
N. Battery	80	<0.050	<0.050	<0.050	<0.050	<10.0	<10.0	<10.0
#10'	240	<0.050	<0.050	<0.050	<0.050	<10.0	<10.0	<10.0

Conclusion

The results from the sampling conducted below the liner on March 9, 2023, as well as the additional sampling performed on February 12, 2025, indicate that contaminant levels are below the established target range following the installation of POD Number C-4637. Therefore, Devon respectfully requests that any contamination identified beneath the liner be deferred until the closure of the battery.

Supplemental Documentation

Document 1: Vicinity Map
Document 2: OSE Information
Document 3: NMOCD Oil and Gas Map
Document 4: BLM Cave Karst Map
Document 5: FEMA Floodplain Map
Document 6: Photographs
Document 7: Lab Analysis
Document 8: C-141 initial, final

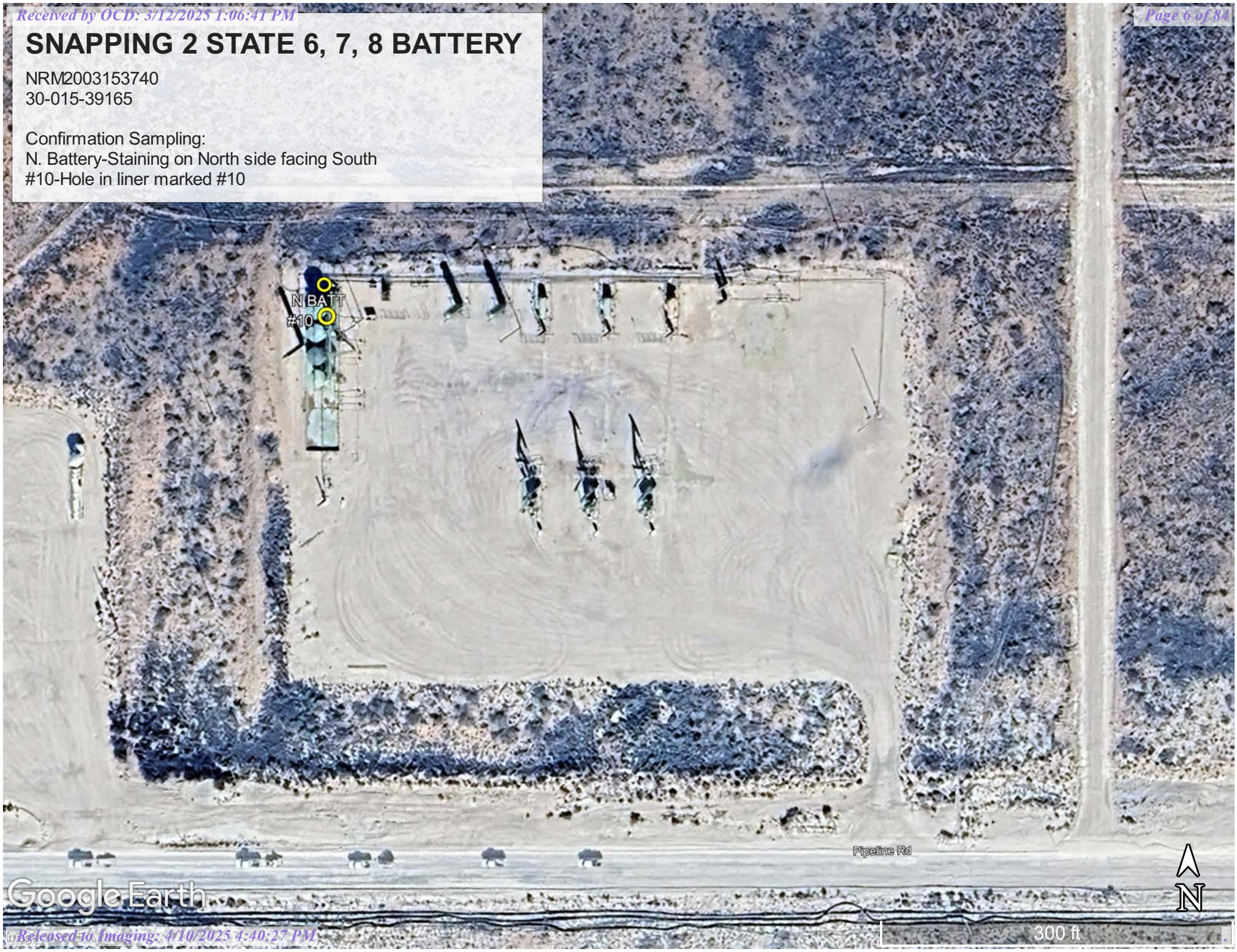
Snapping 2 State 6 & 7 Battery

NRM 2003153740
62 bbls release, 60 bbls recovered.

SNAPPING 2 STATE 6, 7, 8 BATTERY

NRM2003153740
30-015-39165

Confirmation Sampling:
N. Battery-Staining on North side facing South
#10-Hole in liner marked #10



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 Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 01777		C	ED				08	26S	31E	613245	3547409*	325	300	25
C 02090		C	ED			4	01	26S	31E	620329	3548533*	350	335	15
C 02248		CUB	ED	1	2	3	08	26S	31E	612942	3547316*	300	292	8
C 02249		CUB	ED	1	2	3	08	26S	31E	612942	3547316*	300	292	8
C 03554 POD1		CUB	ED	2	1	4	01	26S	31E	620547	3549148	630	300	330
C 03639 POD1		CUB	ED	3	4	2	01	26S	31E	620168	3549279	700	365	335
C 04256 POD1		C	ED	4	4	2	01	26S	31E	620384	3549257	666	340	326

Average Depth to Water: **317 feet**

Minimum Depth: **292 feet**

Maximum Depth: **365 feet**

Record Count: 7

PLSS Search:

Township: 26S **Range:** 31E

***UTM location was derived from PLSS - see Help**

4/11/19 7:25 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

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	Twp	Rng	X	Y
	C 03639 POD1	3	4	2	01	26S	31E	620168	3549279

Driller License: 1654 **Driller Company:** NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC

Driller Name:

Drill Start Date: 09/23/2013 **Drill Finish Date:** 09/25/2013 **Plug Date:**

Log File Date: 10/25/2013 **PCW Rcv Date:** **Source:** Shallow

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

Casing Size: 6.00 **Depth Well:** 700 feet **Depth Water:** 365 feet

Water Bearing Stratifications:

Top	Bottom	Description
560	600	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
600	660

Meter Number: 16575 **Meter Make:** MASTERMETER

Meter Serial Number: 8827642 **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
12/26/2013	2013	4487	A	RPT		0	
04/01/2014	2014	15593	A	RPT		3.408	
07/01/2014	2014	27654	A	RPT		3.701	
10/01/2014	2014	43114	A	RPT		4.744	
12/31/2014	2014	54047	A	RPT		3.355	
02/01/2015	2015	55287	A	RPT		0.381	
03/02/2015	2015	56670	A	RPT		0.424	
04/02/2015	2015	60341	A	RPT		1.127	
04/30/2015	2015	65590	A	RPT		1.611	
05/31/2015	2015	71252	A	RPT		1.738	
07/01/2015	2015	74451	A	RPT		0.982	
08/01/2015	2015	77975	A	RPT		1.081	
08/31/2015	2015	82253	A	RPT		1.313	
10/01/2015	2015	86369	A	RPT		1.263	

**YTD Meter Amounts:	Year	Amount
	2013	0
	2014	15.208
	2015	9.920

1/13/21 12:50 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) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
NA	C 04256 POD1	4	4	2	01	26S	31E	620384	3549257

Driller License:	1706	**Driller Company:**	ELITE DRILLERS CORPORATION		
Driller Name:	BRYCE WALLACE				
Drill Start Date:	06/28/2018	**Drill Finish Date:**	07/04/2018	**Plug Date:**	
Log File Date:	07/18/2018	**PCW Rcv Date:**		**Source:**	Artesian
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	40 GPM
Casing Size:	5.80	**Depth Well:**	666 feet	**Depth Water:**	340 feet

Water Bearing Stratifications:	Top	Bottom	Description
	330	390	Sandstone/Gravel/Conglomerate
	390	430	Sandstone/Gravel/Conglomerate
	430	480	Sandstone/Gravel/Conglomerate
	480	610	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	326	666

Atkins ENGINEERING ASSOCIATES INC.
2904 W 2nd St
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

August 4, 2022

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4637 Pod1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4637 Pod1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

OSE DII AUG 8 2022 AM10:13

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.): POD 1 (TW-1)	WELL TAG ID NO: N/A	OSE FILE NO(S): C-4637
WELL OWNER NAME(S): Devon Energy		PHONE (OPTIONAL): 575-748-1838
WELL OWNER MAILING ADDRESS: 6488 7 Rivers Hwy		CITY: Artesia STATE: NM ZIP: 88210

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	3	57.21	N
LONGITUDE	103	44	57.0	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE: SE SE SW Sec.2 T26S R31S NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
6/15/2022	6/15/2022	Temporary Well	±51	N/A

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED) | STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A | DATE STATIC MEASURED: 6/15/2022, 7/19/2022

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger | CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	55	6.5	Boring-HSA	–	–	–	–

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-04637-POD1	POD NO. 1	TRN NO. 726494
LOCATION 26S.31E.02.4.4.3.	WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	39	39	Sand, Medium/ Fine grained, poorly graded, Tan brown	Y ✓ N	
39	55	16	Sand, Medium/ Fine grained, poorly graded, Reddish Brown	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:
☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.

RECEIVED AUG 8 2022 8:30:20

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Cameron Pruitt

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

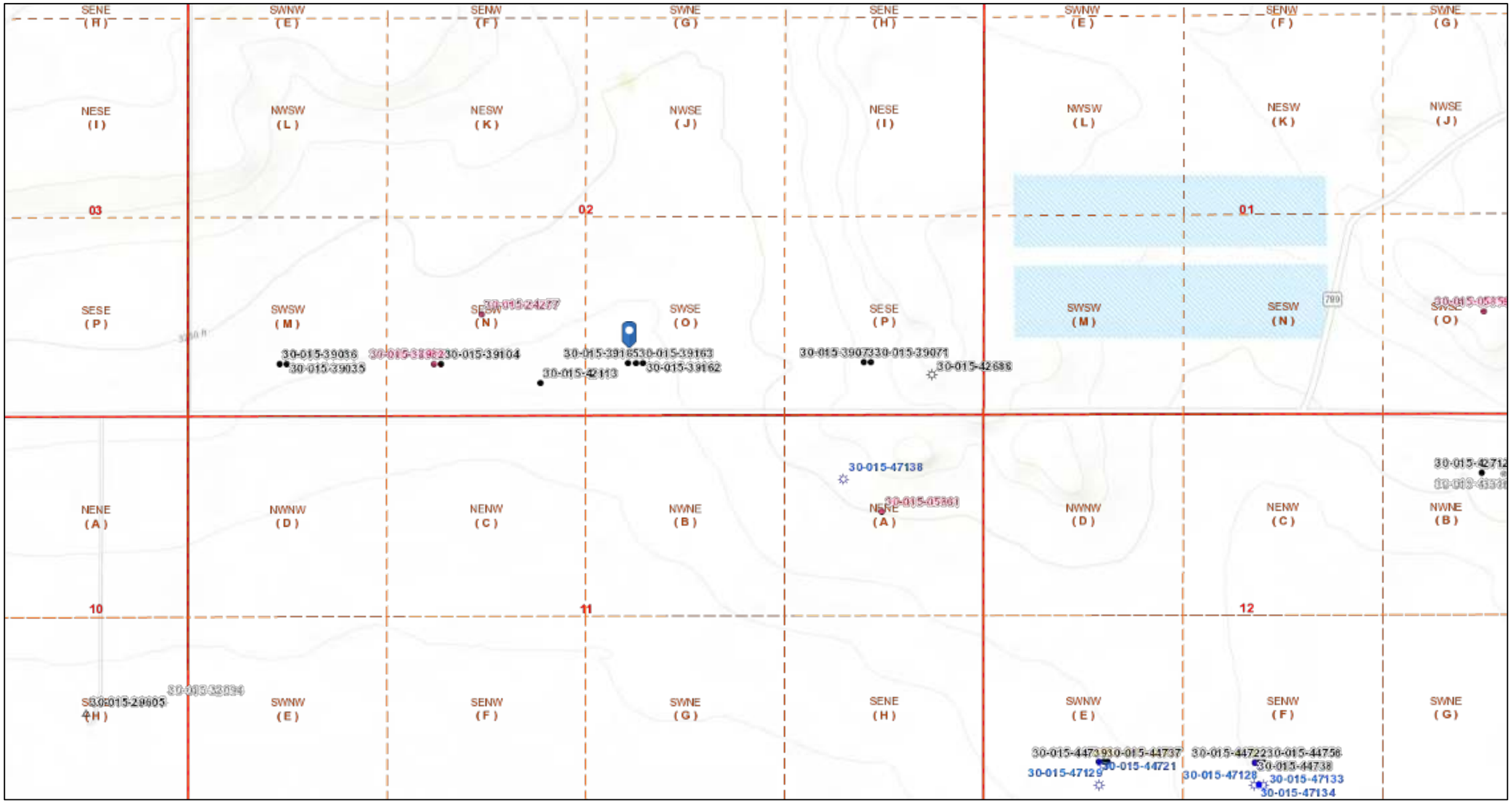
Jack Atkins — Jackie D. Atkins — 8/4/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-04637	POD NO. 1	TRN NO. 726494	
LOCATION 26S.31E.02.4.4.3		WELL TAG ID NO. —	PAGE 2 OF 2

Devon, Snapping 2 State 6 & 7 Battery



12/30/2020, 9:31:25 AM

1:9,028

0 0.07 0.15 0.3 mi

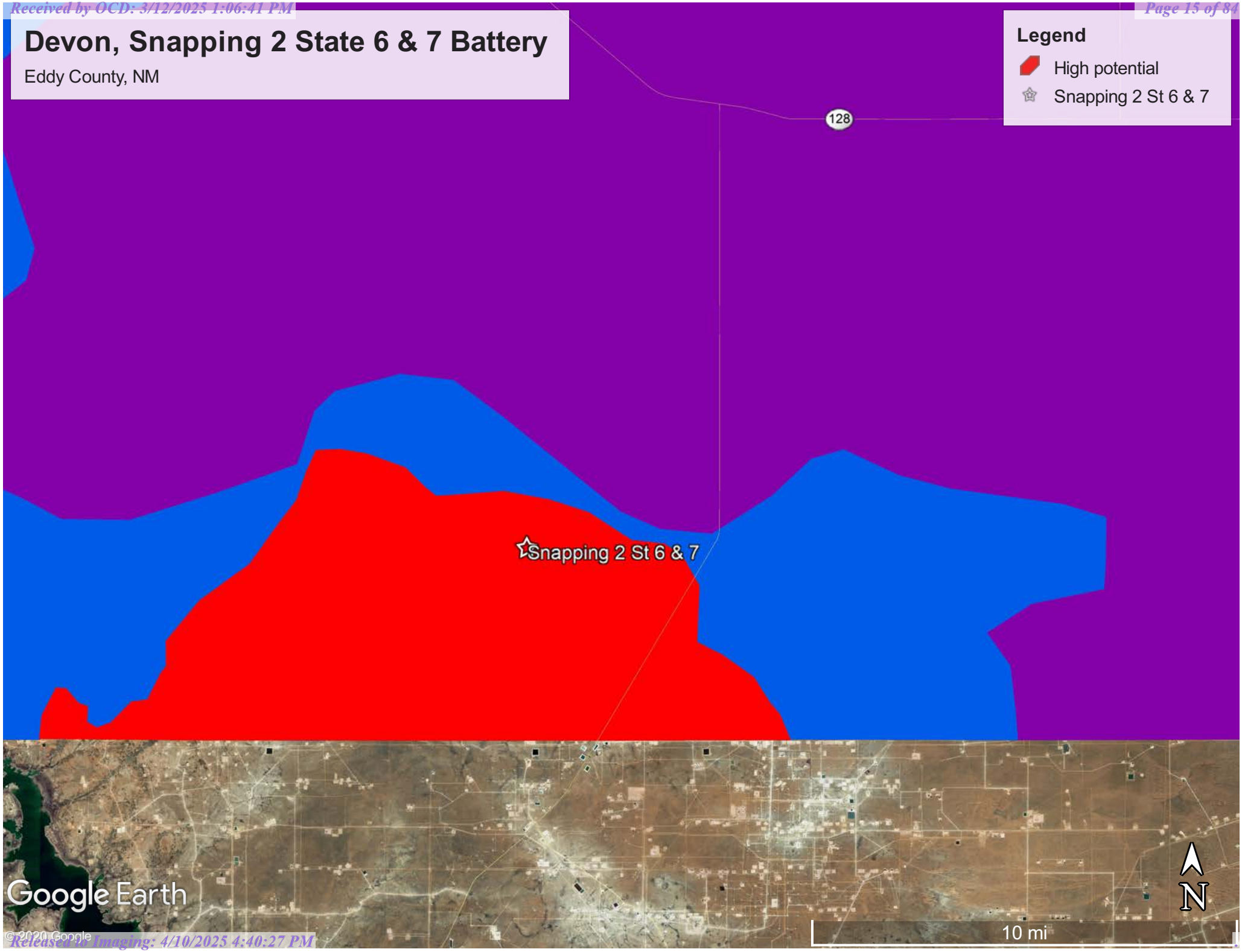
0 0.15 0.3 0.6 km

Wells - Large Scale

- undefined
- Miscellaneous
- CO2, Active
- CO2, Cancelled
- CO2, New
- CO2, Plugged
- CO2, Temporarily Abandoned
- Gas, Active
- Gas, Cancelled
- Gas, New
- Gas, Plugged
- Gas, Temporarily Abandoned
- Injection, Active
- Injection, Cancelled
- Injection, New
- Injection, Plugged
- Injection, Temporarily Abandoned
- Oil, Active
- Oil, Cancelled
- Oil, New
- Oil, Plugged
- Oil, Temporarily Abandoned
- Salt Water Injection, Active
- Salt Water Injection, Cancelled
- Salt Water Injection, New
- Salt Water Injection, Plugged
- Salt Water Injection, Temporarily Abandoned
- Water, Active
- Water, Cancelled
- Water, New

Devon, Snapping 2 State 6 & 7 Battery

Eddy County, NM



National Flood Hazard Layer FIRMette

FEMA

103°45'11"W 32°4'13"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°44'34"W 32°3'43"N

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/30/2020 at 11:38 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Devon, Snapping 2 State 6 & 7 Battery
April 3, 2019

Initial release photo 1

Initial release photo 2

Initial release photo 3

Initial release photo 4

Devon, Snapping 2 State 6 & 7 Battery
May 22, 2019

Northeast looking South inside view of containment

Northeast looking South outside view of containment

Northeast looking West inside view of containment

Northeast looking West outside view of containment

Devon, Snapping 2 State 6 & 7 Battery
May 22, 2019

Northwest looking South inside view of containment

Northwest looking South outside view of containment

Southeast corner view at battery

Southeast corner looking North

Devon, Snapping 2 State 6 & 7 Battery

December 2, 2020

Southwest corner facing East outside

Southwest corner facing East inside

Southwest corner facing North outside

Southwest corner facing North inside

Devon, Snapping 2 State 6 & 7 Battery

December 2, 2020

South side facing North inside

South side facing North inside

Southeast corner facing West outside

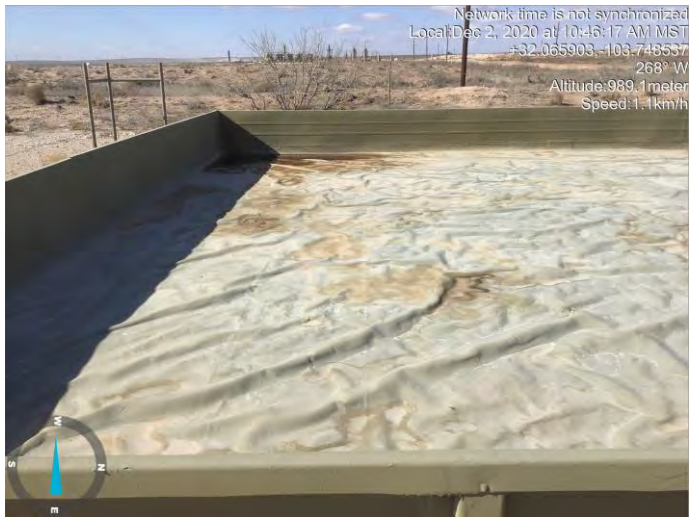
Southeast corner facing West inside

Devon, Snapping 2 State 6 & 7 Battery

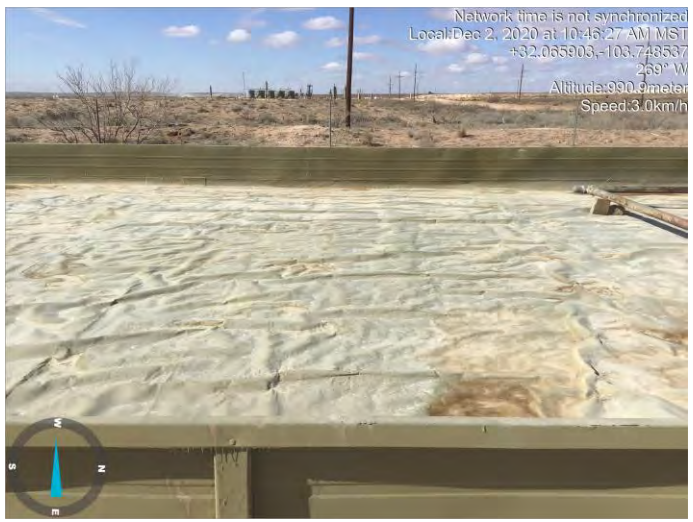
December 2, 2020

Southeast corner facing North outside

Southeast corner facing North inside



East side facing West inside



East side facing West inside

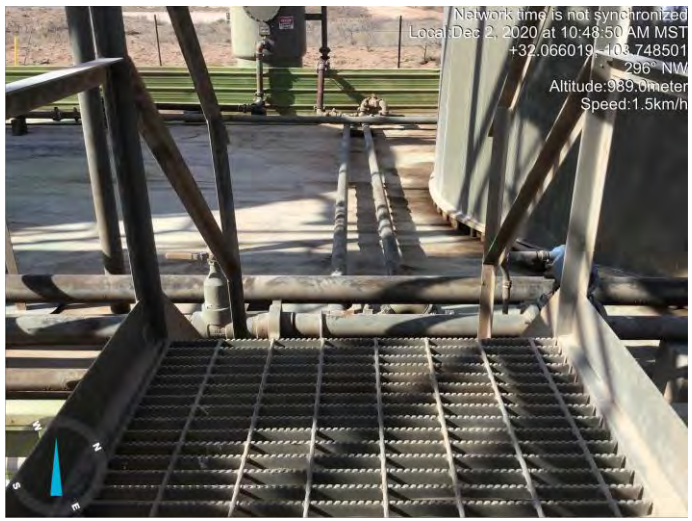
Devon, Snapping 2 State 6 & 7 Battery

December 2, 2020

East side facing West inside

East side facing West inside

East side facing West inside



East side facing West inside

Devon, Snapping 2 State 6 & 7 Battery

December 2, 2020

East side facing West inside

East side facing West inside

Northeast corner facing West outside

Northeast corner facing West inside

Devon, Snapping 2 State 6 & 7 Battery

December 2, 2020

Northeast corner facing South soutside

Northeast corner facing South inside

North side facing South inside

North side facing South inside

Devon, Snapping 2 State 6 & 7 Battery

December 2, 2020

Northwest corner inside sump

Northwest corner facing East outside

Northwest corner facing East inside

Northwest corner facing South outside

Devon, Snapping 2 State 6 & 7 Battery

December 2, 2020

Northwest corner facing South inside

West side facing East inside

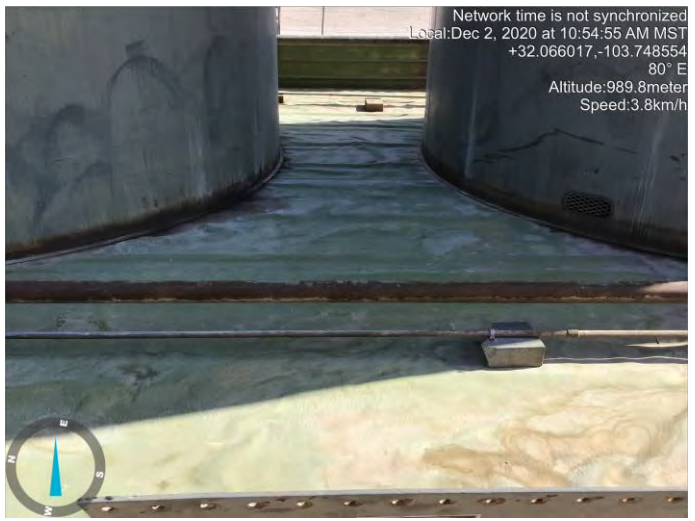
West side facing East inside

West side facing East inside

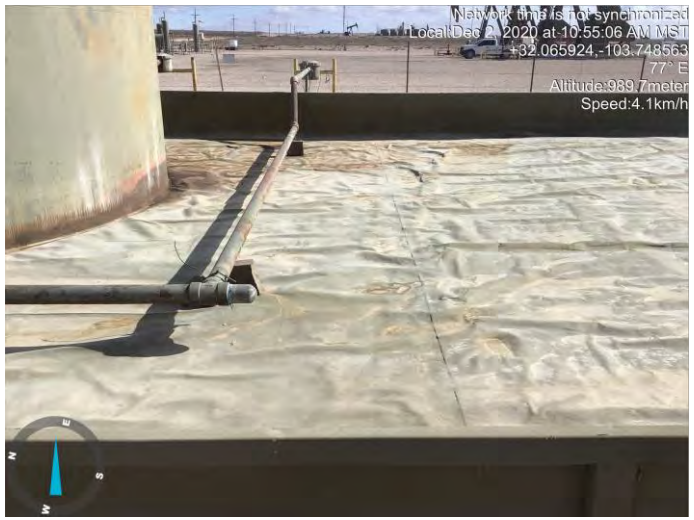
Devon, Snapping 2 State 6 & 7 Battery

December 2, 2020

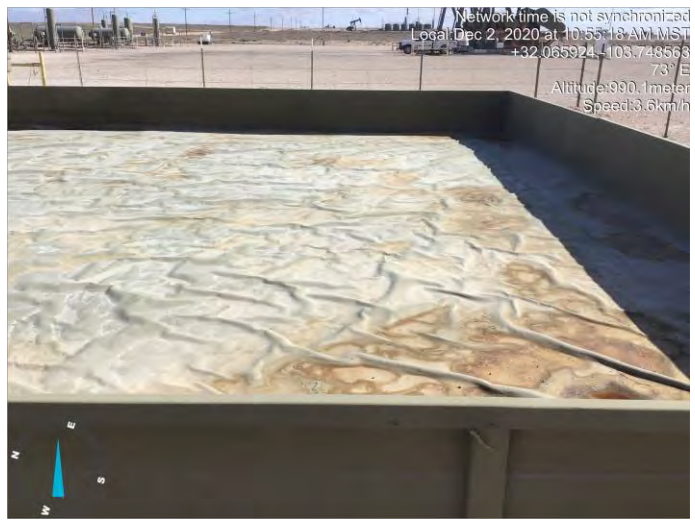
West side facing East inside



West side facing East inside



West side facing East inside



West side facing East inside

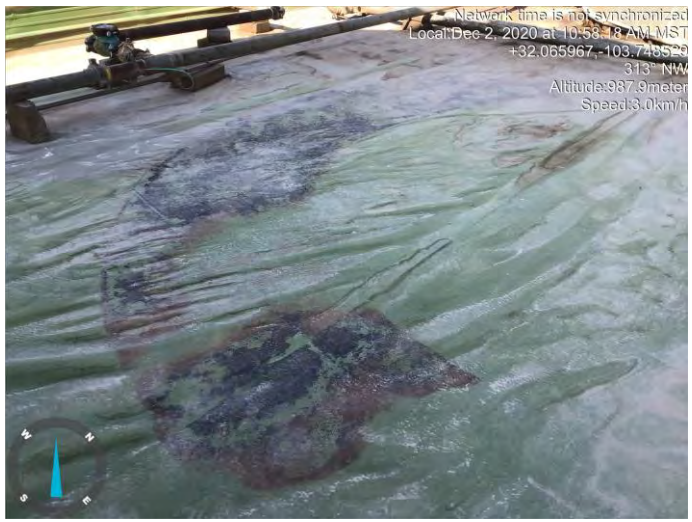
Devon, Snapping 2 State 6 & 7 Battery

December 2, 2020

Southwest corner pooling inside

East side tank #1 marked bad tank

Staining from Tank #1



Permanent stain in middle facing Northwest

Devon, Snapping 2 State 6 & 7 Battery

December 2, 2020

Stains at bottom of tank #2

Stains at bottom of tanks #3 & #4

Hole in liner marked #1

Hole in liner marked #2

Devon, Snapping 2 State 6 & 7 Battery

December 2, 2020

Hole in liner marked #3

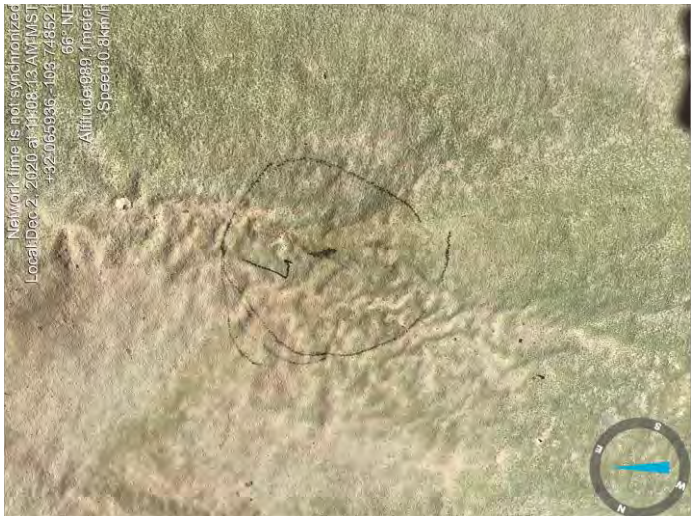
Hole in liner marked #4

Hole in liner marked #5

Hole in liner marked #6

Devon, Snapping 2 State 6 & 7 Battery

December 2, 2020



Hole in liner marked #7

Hole in liner marked #8

Hole in liner marked #9

Hole in liner marked #10

Devon, Snapping 2 State 6 & 7 Battery

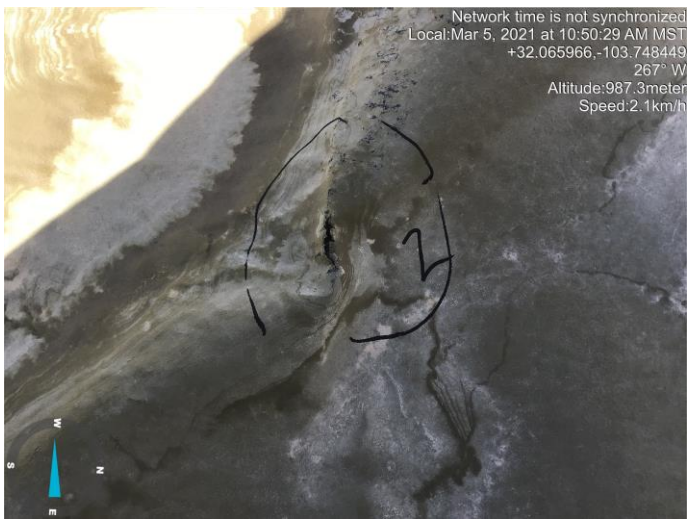
December 2, 2020

Staining on North side facing South

Devon, Snapping 2 State 6 & 7 Battery

March 5, 2021

1



2

3

4

Devon, Snapping 2 State 6 & 7 Battery

March 5, 2021

5

6

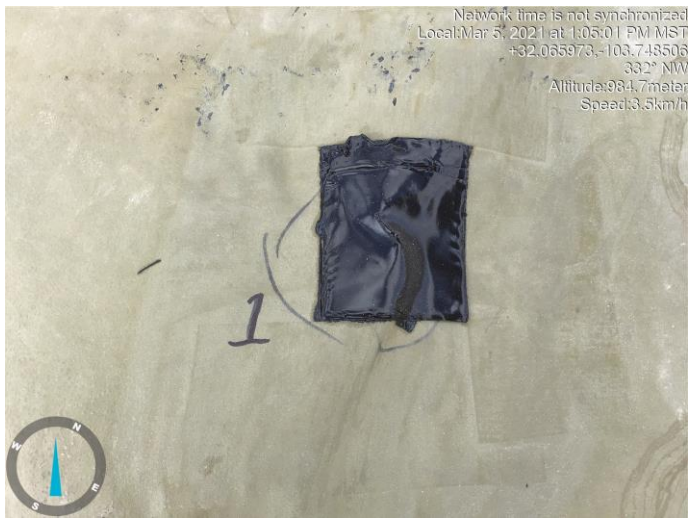
7

8

Devon, Snapping 2 State 6 & 7 Battery

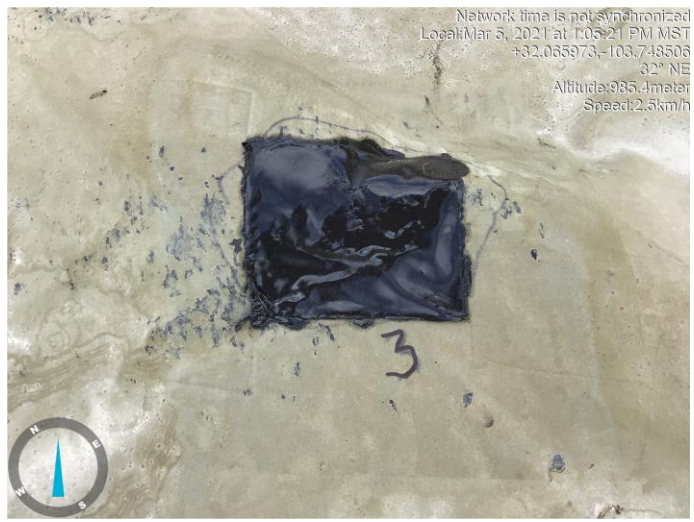
March 5, 2021

9



Patch repair-1

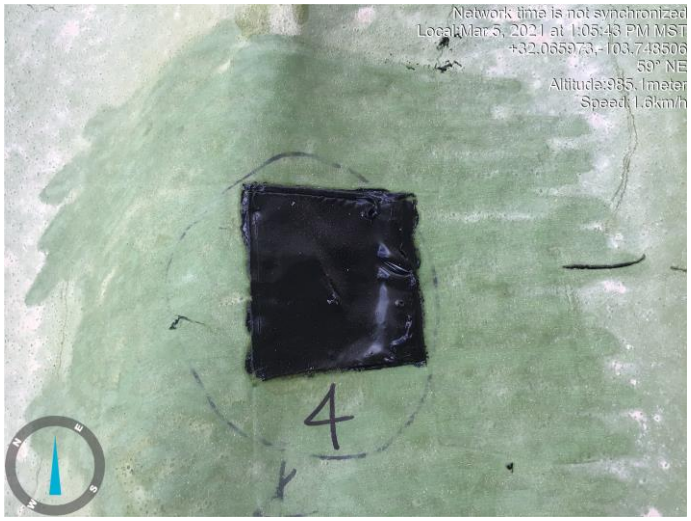
Patch repair-2



Patch repair-3

Devon, Snapping 2 State 6 & 7 Battery

March 5, 2021



Patch repair-4

Patch repair-5

Patch repair-6

Patch repair-7

Devon, Snapping 2 State 6 & 7 Battery

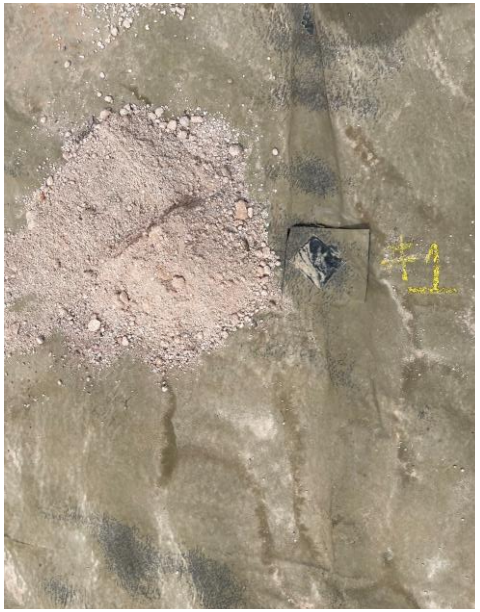
March 5, 2021

Patch repair-8

Patch repair-9

Devon, Snapping 2 State 6 & 7 Battery
March 9, 2023

Liner Sample Point #1-facing North



Liner Sample Point #1

Liner Sample Point #1-patched

Liner Sample Point #2

Liner Sample Point #2-patched

Liner Sample Point #3-facing North

Devon, Snapping 2 State 6 & 7 Battery
March 9, 2023

Liner Sample Point #3

Liner Sample Point #3-patched

Liner Sample Point #4-facing North

Liner Sample Point #4

Liner Sample Point #4-patched

Liner Sample Point #5

Devon, Snapping 2 State 6 & 7 Battery
March 9, 2023

Liner Sample Point #5-patched

Liner Sample Point #6 and #7

Liner Sample Point #6 and #7

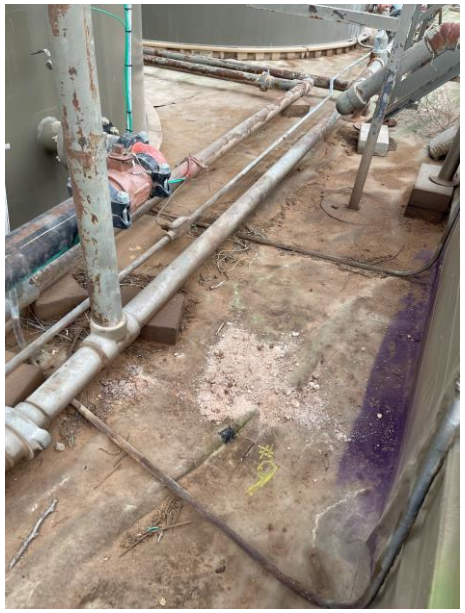
Liner Sample Point #6 and #7-patched

Liner Sample Point #8

Liner Sample Point #8

Devon, Snapping 2 State 6 & 7 Battery
March 9, 2023

Liner Sample Point #8

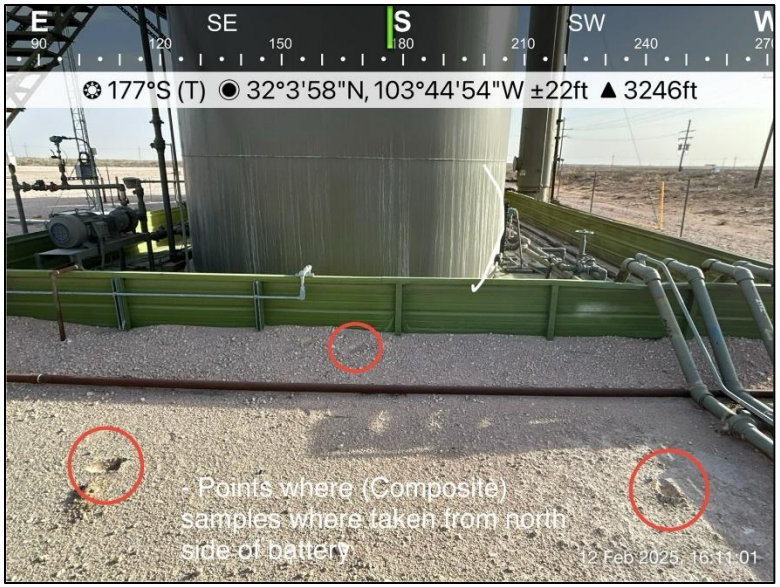


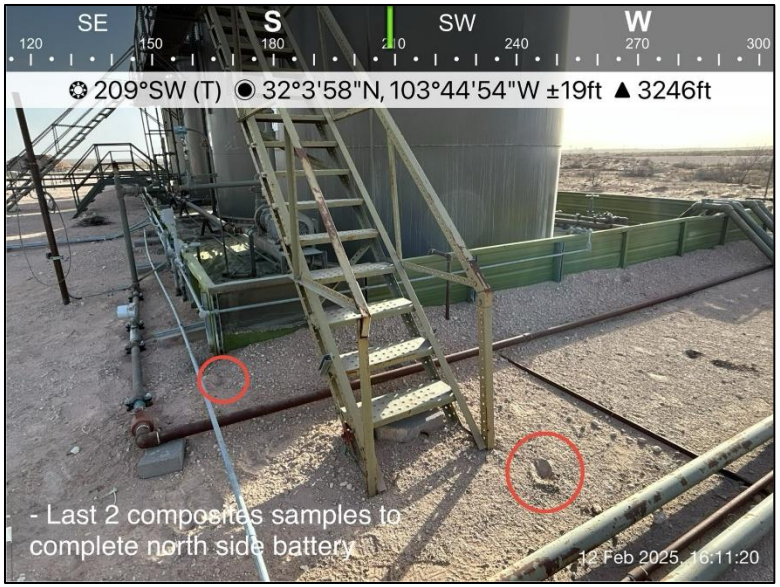
Liner Sample Point #9

Liner Sample Point #9

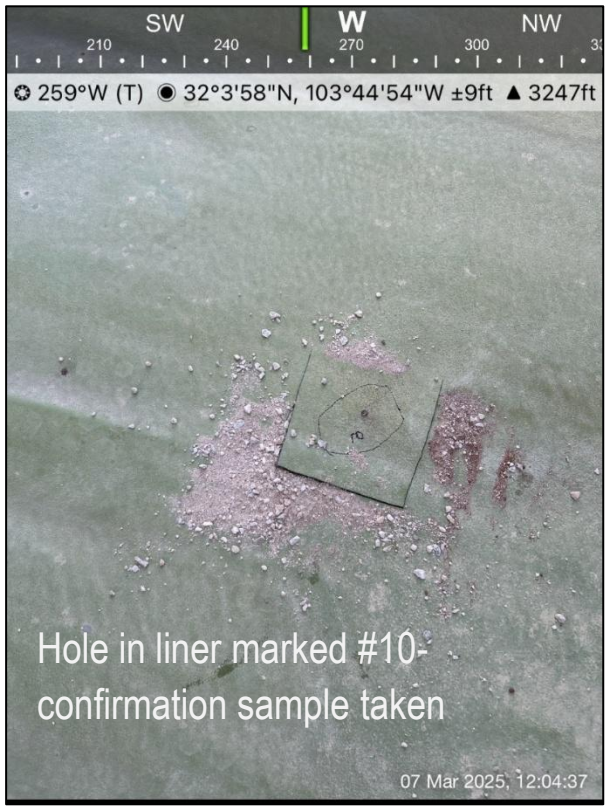
Liner Sample Point #9-patched

Snapping 2 State 6 & 7 Battery
February 12, 2025





Snapping 2 State 6 & 7 Battery
March 7, 2025



HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

March 23, 2023

Bob Allen

Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX: (575) 393-4388

RE: Snapping 2 State 6 7H OrderNo.: 2303643

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 15 sample(s) on 3/11/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2303643**
Date Reported: **3/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: Liner #1 Surface
Project: Snapping 2 State 6 7H
Collection Date: 3/9/2023 9:45:00 AM
Lab ID: 2303643-005 **Matrix:** SOIL **Received Date:** 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **SNS**	
Chloride	ND	60		mg/Kg	20	3/17/2023 12:35:36 AM	73766
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	110	8.5		mg/Kg	1	3/16/2023 4:56:03 PM	73712
Motor Oil Range Organics (MRO)	210	43		mg/Kg	1	3/16/2023 4:56:03 PM	73712
Surr: DNOP	105	69-147		%Rec	1	3/16/2023 4:56:03 PM	73712
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/15/2023 1:07:31 PM	73702
Surr: BFB	105	37.7-212		%Rec	1	3/15/2023 1:07:31 PM	73702
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.025		mg/Kg	1	3/15/2023 1:07:31 PM	73702
Toluene	ND	0.050		mg/Kg	1	3/15/2023 1:07:31 PM	73702
Ethylbenzene	ND	0.050		mg/Kg	1	3/15/2023 1:07:31 PM	73702
Xylenes, Total	ND	0.099		mg/Kg	1	3/15/2023 1:07:31 PM	73702
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	3/15/2023 1:07:31 PM	73702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2303643**
Date Reported: **3/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: Liner #1 1'
Project: Snapping 2 State 6 7H
Collection Date: 3/9/2023 9:55:00 AM
Lab ID: 2303643-006 **Matrix:** SOIL **Received Date:** 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **SNS**	
Chloride	ND	60		mg/Kg	20	3/17/2023 1:37:18 AM	73766
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	29	9.9		mg/Kg	1	3/15/2023 10:25:23 PM	73712
Motor Oil Range Organics (MRO)	60	49		mg/Kg	1	3/15/2023 10:25:23 PM	73712
Surr: DNOP	97.5	69-147		%Rec	1	3/15/2023 10:25:23 PM	73712
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/15/2023 1:31:13 PM	73702
Surr: BFB	107	37.7-212		%Rec	1	3/15/2023 1:31:13 PM	73702
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	3/15/2023 1:31:13 PM	73702
Toluene	ND	0.048		mg/Kg	1	3/15/2023 1:31:13 PM	73702
Ethylbenzene	ND	0.048		mg/Kg	1	3/15/2023 1:31:13 PM	73702
Xylenes, Total	ND	0.096		mg/Kg	1	3/15/2023 1:31:13 PM	73702
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	3/15/2023 1:31:13 PM	73702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2303643**
Date Reported: **3/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: Liner #2 Surface
Project: Snapping 2 State 6 7H
Collection Date: 3/9/2023 10:15:00 AM
Lab ID: 2303643-007 **Matrix:** SOIL **Received Date:** 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **SNS**	
Chloride	ND	60		mg/Kg	20	3/17/2023 1:49:39 AM	73766
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	110	8.8		mg/Kg	1	3/16/2023 5:28:00 PM	73712
Motor Oil Range Organics (MRO)	160	44		mg/Kg	1	3/16/2023 5:28:00 PM	73712
Surr: DNOP	109	69-147		%Rec	1	3/16/2023 5:28:00 PM	73712
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/15/2023 1:54:37 PM	73702
Surr: BFB	108	37.7-212		%Rec	1	3/15/2023 1:54:37 PM	73702
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.023		mg/Kg	1	3/15/2023 1:54:37 PM	73702
Toluene	ND	0.046		mg/Kg	1	3/15/2023 1:54:37 PM	73702
Ethylbenzene	ND	0.046		mg/Kg	1	3/15/2023 1:54:37 PM	73702
Xylenes, Total	ND	0.092		mg/Kg	1	3/15/2023 1:54:37 PM	73702
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	3/15/2023 1:54:37 PM	73702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2303643**
Date Reported: **3/23/2023**

CLIENT: Safety & Environmental Solutions
Client Sample ID: Liner #2 1'
Project: Snapping 2 State 6 7H
Collection Date: 3/9/2023 10:25:00 AM
Lab ID: 2303643-008 **Matrix:** SOIL **Received Date:** 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	320	60		mg/Kg	20	3/17/2023 1:02:37 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	3/15/2023 10:46:26 PM	73712
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	3/15/2023 10:46:26 PM	73712
Surr: DNOP	105	69-147		%Rec	1	3/15/2023 10:46:26 PM	73712
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/15/2023 2:17:59 PM	73702
Surr: BFB	108	37.7-212		%Rec	1	3/15/2023 2:17:59 PM	73702
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	3/15/2023 2:17:59 PM	73702
Toluene	ND	0.048		mg/Kg	1	3/15/2023 2:17:59 PM	73702
Ethylbenzene	ND	0.048		mg/Kg	1	3/15/2023 2:17:59 PM	73702
Xylenes, Total	ND	0.095		mg/Kg	1	3/15/2023 2:17:59 PM	73702
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	1	3/15/2023 2:17:59 PM	73702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2303643**
Date Reported: **3/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: Liner #3 Surface
Project: Snapping 2 State 6 7H
Collection Date: 3/9/2023 10:55:00 AM
Lab ID: 2303643-009 **Matrix:** SOIL
Received Date: 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **SNS**	
Chloride	2700	150		mg/Kg	50	3/20/2023 2:53:14 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	16	9.9		mg/Kg	1	3/15/2023 10:56:59 PM	73712
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/15/2023 10:56:59 PM	73712
Surr: DNOP	111	69-147		%Rec	1	3/15/2023 10:56:59 PM	73712
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/15/2023 2:41:25 PM	73702
Surr: BFB	104	37.7-212		%Rec	1	3/15/2023 2:41:25 PM	73702
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.023		mg/Kg	1	3/15/2023 2:41:25 PM	73702
Toluene	ND	0.046		mg/Kg	1	3/15/2023 2:41:25 PM	73702
Ethylbenzene	ND	0.046		mg/Kg	1	3/15/2023 2:41:25 PM	73702
Xylenes, Total	ND	0.092		mg/Kg	1	3/15/2023 2:41:25 PM	73702
Surr: 4-Bromofluorobenzene	99.1	70-130		%Rec	1	3/15/2023 2:41:25 PM	73702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2303643**
Date Reported: **3/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: Liner #4 Surface
Project: Snapping 2 State 6 7H
Collection Date: 3/9/2023 11:15:00 AM
Lab ID: 2303643-010 **Matrix:** SOIL **Received Date:** 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	460	60		mg/Kg	20	3/17/2023 2:12:34 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	220	9.9		mg/Kg	1	3/15/2023 11:18:00 PM	73712
Motor Oil Range Organics (MRO)	300	49		mg/Kg	1	3/15/2023 11:18:00 PM	73712
Surr: DNOP	107	69-147		%Rec	1	3/15/2023 11:18:00 PM	73712
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/15/2023 3:04:51 PM	73702
Surr: BFB	107	37.7-212		%Rec	1	3/15/2023 3:04:51 PM	73702
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.023		mg/Kg	1	3/15/2023 3:04:51 PM	73702
Toluene	ND	0.047		mg/Kg	1	3/15/2023 3:04:51 PM	73702
Ethylbenzene	ND	0.047		mg/Kg	1	3/15/2023 3:04:51 PM	73702
Xylenes, Total	ND	0.093		mg/Kg	1	3/15/2023 3:04:51 PM	73702
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	3/15/2023 3:04:51 PM	73702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2303643**
Date Reported: **3/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: Liner #5 Surface
Project: Snapping 2 State 6 7H
Collection Date: 3/9/2023 11:35:00 AM
Lab ID: 2303643-011 **Matrix:** SOIL
Received Date: 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	820	60		mg/Kg	20	3/17/2023 2:24:59 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/15/2023 11:28:31 PM	73712
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/15/2023 11:28:31 PM	73712
Surr: DNOP	103	69-147		%Rec	1	3/15/2023 11:28:31 PM	73712
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/15/2023 4:38:34 PM	73702
Surr: BFB	107	37.7-212		%Rec	1	3/15/2023 4:38:34 PM	73702
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	3/15/2023 4:38:34 PM	73702
Toluene	ND	0.047		mg/Kg	1	3/15/2023 4:38:34 PM	73702
Ethylbenzene	ND	0.047		mg/Kg	1	3/15/2023 4:38:34 PM	73702
Xylenes, Total	ND	0.094		mg/Kg	1	3/15/2023 4:38:34 PM	73702
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	3/15/2023 4:38:34 PM	73702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2303643**
Date Reported: **3/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: Liner #6 Surface
Project: Snapping 2 State 6 7H
Collection Date: 3/9/2023 12:00:00 PM
Lab ID: 2303643-012 **Matrix:** SOIL **Received Date:** 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	87	60		mg/Kg	20	3/17/2023 2:37:24 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	120	9.6		mg/Kg	1	3/16/2023 1:42:19 PM	73712
Motor Oil Range Organics (MRO)	170	48		mg/Kg	1	3/16/2023 1:42:19 PM	73712
Surr: DNOP	108	69-147		%Rec	1	3/16/2023 1:42:19 PM	73712
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/15/2023 5:02:22 PM	73702
Surr: BFB	108	37.7-212		%Rec	1	3/15/2023 5:02:22 PM	73702
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	3/15/2023 5:02:22 PM	73702
Toluene	ND	0.048		mg/Kg	1	3/15/2023 5:02:22 PM	73702
Ethylbenzene	ND	0.048		mg/Kg	1	3/15/2023 5:02:22 PM	73702
Xylenes, Total	ND	0.096		mg/Kg	1	3/15/2023 5:02:22 PM	73702
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	3/15/2023 5:02:22 PM	73702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2303643**
Date Reported: **3/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: Liner #7 Surface
Project: Snapping 2 State 6 7H
Collection Date: 3/9/2023 12:25:00 PM
Lab ID: 2303643-013 **Matrix:** SOIL **Received Date:** 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	60		mg/Kg	20	3/17/2023 2:49:49 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	25	8.9		mg/Kg	1	3/16/2023 2:13:54 PM	73712
Motor Oil Range Organics (MRO)	45	44		mg/Kg	1	3/16/2023 2:13:54 PM	73712
Surr: DNOP	124	69-147		%Rec	1	3/16/2023 2:13:54 PM	73712
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/15/2023 5:26:16 PM	73702
Surr: BFB	110	37.7-212		%Rec	1	3/15/2023 5:26:16 PM	73702
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	3/15/2023 5:26:16 PM	73702
Toluene	ND	0.049		mg/Kg	1	3/15/2023 5:26:16 PM	73702
Ethylbenzene	ND	0.049		mg/Kg	1	3/15/2023 5:26:16 PM	73702
Xylenes, Total	ND	0.098		mg/Kg	1	3/15/2023 5:26:16 PM	73702
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	3/15/2023 5:26:16 PM	73702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2303643**
Date Reported: **3/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: Liner #8 Surface
Project: Snapping 2 State 6 7H
Collection Date: 3/9/2023 1:00:00 PM
Lab ID: 2303643-014 **Matrix:** SOIL **Received Date:** 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	ND	60		mg/Kg	20	3/17/2023 3:27:04 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/15/2023 11:59:57 PM	73712
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/15/2023 11:59:57 PM	73712
Surr: DNOP	102	69-147		%Rec	1	3/15/2023 11:59:57 PM	73712
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/15/2023 5:50:16 PM	73702
Surr: BFB	112	37.7-212		%Rec	1	3/15/2023 5:50:16 PM	73702
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	3/15/2023 5:50:16 PM	73702
Toluene	ND	0.047		mg/Kg	1	3/15/2023 5:50:16 PM	73702
Ethylbenzene	ND	0.047		mg/Kg	1	3/15/2023 5:50:16 PM	73702
Xylenes, Total	ND	0.094		mg/Kg	1	3/15/2023 5:50:16 PM	73702
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	3/15/2023 5:50:16 PM	73702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2303643**
Date Reported: **3/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: Liner #9 Surface
Project: Snapping 2 State 6 7H
Collection Date: 3/9/2023 1:30:00 PM
Lab ID: 2303643-015 **Matrix:** SOIL **Received Date:** 3/11/2023 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	310	60		mg/Kg	20	3/17/2023 3:39:28 PM	73774
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**	
Diesel Range Organics (DRO)	670	9.7		mg/Kg	1	3/17/2023 5:28:08 PM	73763
Motor Oil Range Organics (MRO)	900	49		mg/Kg	1	3/17/2023 5:28:08 PM	73763
Surr: DNOP	117	69-147		%Rec	1	3/17/2023 5:28:08 PM	73763
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/15/2023 6:14:17 PM	73702
Surr: BFB	113	37.7-212		%Rec	1	3/15/2023 6:14:17 PM	73702
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.025		mg/Kg	1	3/15/2023 6:14:17 PM	73702
Toluene	ND	0.049		mg/Kg	1	3/15/2023 6:14:17 PM	73702
Ethylbenzene	ND	0.049		mg/Kg	1	3/15/2023 6:14:17 PM	73702
Xylenes, Total	ND	0.098		mg/Kg	1	3/15/2023 6:14:17 PM	73702
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	3/15/2023 6:14:17 PM	73702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303643**

23-Mar-23

Client: Safety & Environmental Solutions

Project: Snapping 2 State 6 7H

Sample ID: **MB-73766**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **73766**	RunNo: **95346**							
Prep Date: **3/16/2023**	Analysis Date: **3/16/2023**	SeqNo: **3448802**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-73766**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **73766**	RunNo: **95346**							
Prep Date: **3/16/2023**	Analysis Date: **3/16/2023**	SeqNo: **3448803**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.1	90	110			

Sample ID: **MB-73774**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **73774**	RunNo: **95364**							
Prep Date: **3/17/2023**	Analysis Date: **3/17/2023**	SeqNo: **3449696**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-73774**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **73774**	RunNo: **95364**							
Prep Date: **3/17/2023**	Analysis Date: **3/17/2023**	SeqNo: **3449697**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303643**

23-Mar-23

Client: Safety & Environmental Solutions

Project: Snapping 2 State 6 7H

Sample ID: **LCS-73712**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **73712**	RunNo: **95288**
Prep Date: **3/14/2023**	Analysis Date: **3/15/2023**	SeqNo: **3446997** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.7	61.9	130			
Surr: DNOP	4.7		5.000		93.8	69	147			

Sample ID: **MB-73712**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **73712**	RunNo: **95288**
Prep Date: **3/14/2023**	Analysis Date: **3/15/2023**	SeqNo: **3446998** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	13		10.00		125	69	147			

Sample ID: **MB-73710**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **73710**	RunNo: **95279**
Prep Date: **3/14/2023**	Analysis Date: **3/16/2023**	SeqNo: **3447687** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		95.9	69	147			

Sample ID: **LCS-73710**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **73710**	RunNo: **95279**
Prep Date: **3/14/2023**	Analysis Date: **3/16/2023**	SeqNo: **3447688** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	100	61.9	130			
Surr: DNOP	4.7		5.000		94.9	69	147			

Sample ID: **MB-73763**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **73763**	RunNo: **95369**
Prep Date: **3/16/2023**	Analysis Date: **3/17/2023**	SeqNo: **3450324** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		89.9	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303643**

23-Mar-23

Client: Safety & Environmental Solutions

Project: Snapping 2 State 6 7H

Sample ID: **LCS-73763**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **73763**	RunNo: **95369**
Prep Date: **3/16/2023**	Analysis Date: **3/17/2023**	SeqNo: **3450325** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.0	61.9	130			
Surr: DNOP	4.4		5.000		87.4	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303643**

23-Mar-23

Client: Safety & Environmental Solutions

Project: Snapping 2 State 6 7H

Sample ID: **lcs-73702**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **73702**	RunNo: **95278**
Prep Date: **3/14/2023**	Analysis Date: **3/15/2023**	SeqNo: **3446038** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	82.6	70	130			
Surr: BFB	1800		1000		183	37.7	212			

Sample ID: **mb-73702**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **73702**	RunNo: **95278**
Prep Date: **3/14/2023**	Analysis Date: **3/15/2023**	SeqNo: **3446039** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		106	37.7	212			

Sample ID: **lcs-73714**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **73714**	RunNo: **95315**
Prep Date: **3/15/2023**	Analysis Date: **3/16/2023**	SeqNo: **3447482** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1900		1000		190	37.7	212			

Sample ID: **mb-73714**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **73714**	RunNo: **95315**
Prep Date: **3/15/2023**	Analysis Date: **3/16/2023**	SeqNo: **3447483** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		106	37.7	212			

Sample ID: **lcs-73686**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **73686**	RunNo: **95373**
Prep Date: **3/14/2023**	Analysis Date: **3/17/2023**	SeqNo: **3449976** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	83.1	70	130			
Surr: BFB	1900		1000		186	37.7	212			

Sample ID: **mb-73686**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **73686**	RunNo: **95373**
Prep Date: **3/14/2023**	Analysis Date: **3/17/2023**	SeqNo: **3449977** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		92.2	37.7	212			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303643**

23-Mar-23

Client: Safety & Environmental Solutions

Project: Snapping 2 State 6 7H

Sample ID: **LCS-73702**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **73702**	RunNo: **95278**
Prep Date: **3/14/2023**	Analysis Date: **3/15/2023**	SeqNo: **3446063** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.4	80	120			
Toluene	0.91	0.050	1.000	0	90.8	80	120			
Ethylbenzene	0.91	0.050	1.000	0	90.6	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.2	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: **mb-73702**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **73702**	RunNo: **95278**
Prep Date: **3/14/2023**	Analysis Date: **3/15/2023**	SeqNo: **3446064** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: **2303643-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SP 9**	Batch ID: **73702**	RunNo: **95278**
Prep Date: **3/14/2023**	Analysis Date: **3/15/2023**	SeqNo: **3446680** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.0	0.099	0.9872	0	105	61.5	113			
Benzene	1.0	0.025	0.9872	0	105	68.8	120			
Toluene	1.0	0.049	0.9872	0	105	73.6	124			
Ethylbenzene	1.0	0.049	0.9872	0	106	72.7	129			
Xylenes, Total	3.1	0.099	2.962	0	105	75.7	126			
Surr: 4-Bromofluorobenzene	1.0		0.9872		104	70	130			

Sample ID: **2303643-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SP 9**	Batch ID: **73702**	RunNo: **95278**
Prep Date: **3/14/2023**	Analysis Date: **3/15/2023**	SeqNo: **3446681** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9862	0	110	68.8	120	4.53	20	
Toluene	1.1	0.049	0.9862	0	110	73.6	124	4.64	20	
Ethylbenzene	1.1	0.049	0.9862	0	110	72.7	129	4.09	20	
Xylenes, Total	3.3	0.099	2.959	0	110	75.7	126	4.30	20	
Surr: 4-Bromofluorobenzene	1.0		0.9862		106	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303643**

23-Mar-23

Client: Safety & Environmental Solutions

Project: Snapping 2 State 6 7H

Sample ID: **lcs-73686**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **73686**	RunNo: **95373**
Prep Date: **3/14/2023**	Analysis Date: **3/17/2023**	SeqNo: **3450049** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.4	80	120			
Toluene	0.87	0.050	1.000	0	86.9	80	120			
Ethylbenzene	0.85	0.050	1.000	0	85.2	80	120			
Xylenes, Total	2.5	0.10	3.000	0	84.8	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.2	70	130			

Sample ID: **mb-73686**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **73686**	RunNo: **95373**
Prep Date: **3/14/2023**	Analysis Date: **3/17/2023**	SeqNo: **3450050** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.92		1.000		92.1	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Safety & Environmental Solutions | Work Order Number: 2303643 | RcptNo: 1

Received By: Cheyenne Cason 3/11/2023 10:00:00 AM

Completed By: Cheyenne Cason 3/11/2023 10:14:59 AM

Reviewed By: KPA 3.13.23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: JN 3/13/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.6	Good	Not Present	Yogi		

Chain-of-Custody Record

Client: SESI

Mailing Address: 703 E. Clinton Hobbs, NM 88240

Phone #: 575-397-0510

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☒ Rush 5 Day

Project Name: Snapping 2 State Com #7H

Project #: DEU-19-004

Project Manager: Bob Allen

Sampler: Sergio Contreras

On Ice: ☑ Yes ☐ No Temp Blank: 0.6

# of Coolers: 1

Cooler Temp(including CF): 0.4+0.2=0.6 (°C) cnc 3/13/23

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2303643	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chlorides
03/09	0845	Soil	Surface Sample 1	1	Soil	001	X	X									X
	0900		Surface Sample 2	1		002											
	0915		Surface Sample 3	1		003											
	0930		Surface Sample 4	1		004											
	0945		Liner #1 Surface	1		005											
	0955		Liner #1 1'	1		006											
	1015		Liner #2 Surface	1		007											
	1025		Liner #2 1'	1		008											
	1055		Liner #3 Surface	1		009											
	1115		Liner #4 Surface	1		010											
	1135		Liner #5 Surface	1		011											
↓	1200	↓	Liner #6 Surface	1	↓	012	↓	↓									↓

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
03/10	930				3/10/23	930
3/10/23	1900		cnc Courier		3/11/23	1000

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: SESI

Mailing Address: 703 E Clinton Hobbs, NM 88240

Phone #: 575-397-0510

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard ☒ Rush 5 Day

Project Name: Snapping Z State 6H & 7H

Project #: DEV 19004

Project Manager: Bob Allen

Sampler: Sergio Contreras

On Ice: ☒ Yes ☐ No Yogi

# of Coolers: 1

Cooler Temp (Including CF): 0.4 +0.2 = 0.6 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2303643	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chlorides
03/09	1225	Soil	Liner # 7 Surface	1	Soil	013	X	X									X
03/09	1300	Soil	Liner # 8 Surface	1	Soil	014	X	X									X
03/09	1330	Soil	Liner # 9 Surface	1	Soil	015	X	X									X

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
03/10					3/10/23	930
3/10/23	1900					

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

CARDINAL Laboratories

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

February 19, 2025

ARMANDO AGUIRRE

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: SNAPPING 6,7,8 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/13/25 14:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accreditated 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,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Safety & Environmental Solutions
ARMANDO AGUIRRE
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/13/2025	Sampling Date:	02/12/2025
Reported:	02/19/2025	Sampling Type:	Soil
Project Name:	SNAPPING 6,7,8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	DEV-20-004	Sample Received By:	Tamara Oldaker
Project Location:	DEVON		

Sample ID: N.BATT (H250896-01)

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	02/14/2025	ND	1.97	98.3	2.00	0.469	
Toluene*	<0.050	0.050	02/14/2025	ND	2.37	118	2.00	12.5	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.66	133	2.00	18.0	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	8.08	135	6.00	19.3	
Total BTEX	<0.300	0.300	02/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	02/14/2025	ND	416	104	400	0.00	

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	02/14/2025	ND	213	107	200	0.269	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	202	101	200	1.11	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					

Surrogate: 1-Chlorooctane *90.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Safety & Environmental Solutions
ARMANDO AGUIRRE
703 East Clinton
Hobbs NM, 88240
Fax To: (575) 393-4388

Received:	02/13/2025	Sampling Date:	02/12/2025
Reported:	02/19/2025	Sampling Type:	Soil
Project Name:	SNAPPING 6,7,8 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	DEV-20-004	Sample Received By:	Tamara Oldaker
Project Location:	DEVON		

Sample ID: # 10 (H250896-02)

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	02/14/2025	ND	1.97	98.3	2.00	0.469	
Toluene*	<0.050	0.050	02/14/2025	ND	2.37	118	2.00	12.5	
Ethylbenzene*	<0.050	0.050	02/14/2025	ND	2.66	133	2.00	18.0	
Total Xylenes*	<0.150	0.150	02/14/2025	ND	8.08	135	6.00	19.3	
Total BTEX	<0.300	0.300	02/14/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	02/14/2025	ND	416	104	400	0.00	

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	02/14/2025	ND	213	107	200	0.269	
DRO >C10-C28*	<10.0	10.0	02/14/2025	ND	202	101	200	1.11	
EXT DRO >C28-C36	<10.0	10.0	02/14/2025	ND					

Surrogate: 1-Chlorooctane *94.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Safety and Environmental Solutions	BILL TO	
Project Manager:	Armando Aguirre	P.O. #:	
Address:	703 East Clinton, PO Box 1613	Company:	DEVON Energy
City:	Hobbs State: NM Zip: 88240	Attn:	
Phone #:	575 397-0510 Fax #: 575 393-4388	Address:	
Project #:	DEV-20-004 Project Owner:	City:	
Project Name:	Snapping 6,7,8 BATTERY	State: Zip:	
Project Location:	Snapping 6,7,8 Battery	Phone #:	
Sampler Name:	Emma J Romo	Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: CL	TPH	BTEX
H250896																	
1	N. BATT					X					X		2-12-25	5:37	X	X	X
2	#10					X					X		2-12-25	5:39	X	X	X

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: Emma J Romo	Date: 2-13-25 Time: 1437	Received By: Tamara Oldaker	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	CF +0.3°C #140 1.8°C / 2.1°C	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) TO

REMARKS:
sbabb@sesi-nm.com
kywatson@sesi-nm.com
aaguirre@sesi-nm.com
Emmeromo5@icloud.com
Your Email:

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NRM2003153740
District RP	
Facility ID	
Application ID	

Release Notification

UIBCD-191206-C-1410

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Amanda T. Davis	Contact Telephone 575-748-0176
Contact email amanda.davis@dvn.com	Incident # *(assigned by OCD)*
Contact mailing address 6488 Seven Rivers HWY	

Location of Release Source

Latitude 32.06585 Longitude -103.74755

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Snapping 2 State 6,7,8 Battery	Site Type Oil
Date Release Discovered 11/2/2019	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
O	2	26	31E	Eddy

Surface Owner: ■ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

■ Crude Oil	Volume Released (bbls) 62	Volume Recovered (bbls) 60
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Water tanks ran over due to high level alarm failure. All fluid stayed within containment. Spill calculation 70'x20'x3".

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM2003153740
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? This is considered a major release because it is over 25 BBLS.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Email notification to Robert Hamlet, Jim Griswold, Mike Bratcher, and Ryan Mann from Wesley Mathews on 11/3/2019.

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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: Kendra DeHoyos Title: EHS Associate

Signature: Kendra DeHoyos Date: 11/11/2019

email: kendra.dehoyos@dvn.com Telephone: 575-748-3371

OCD Only

Received by: Ramona Marcus Date: 1/31/2020

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NRM2003153740
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?	300' (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ■ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ■ 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)?	☐ Yes ■ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ■ 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?	☐ Yes ■ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ■ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ■ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ■ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ■ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ■ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ■ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ■ 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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NRM2003153740
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: Dale Woodall Title: Environmental Professional

Signature: _____ Date: _____

email: Dale.Woodall@dvn.com Telephone: 575.748.1838

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NRM2003153740
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- ■ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ■ Extents of contamination must be fully delineated.
- ■ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Dale Woodall Title: Environmental Professional

Signature: _____ Date: _____

email: Dale.Woodall@dvn.com Telephone: 575.748.1838

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Incident ID	NRM2003153740
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.***

- [x] A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- [x] 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)
- [x] 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: Dale Woodall Title: Environmental Professional

Signature: _____ Date: _____

email: Dale.Woodall@dvn.com Telephone: 575.748.1838

OCD Only

Received by: _____ Date: _____

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: _____ Date: _____

Printed Name: _____ Title: _____

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 441745

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 441745
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nRM2003153740**
Incident Name	**NRM2003153740 SNAPPING 2 STATE 6, 7, 8 BATTERY @ 30-015-39165**
Incident Type	**Oil Release**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-015-39165] SNAPPING 2 STATE #008H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SNAPPING 2 STATE 6, 7, 8 BATTERY
Date Release Discovered	11/02/2019
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure | Tank (Any) | Crude Oil | Released: 62 BBL | Recovered: 60 BBL | Lost: 2 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	*Not answered.*
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 441745
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/12/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 441745
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission		Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated		Yes
Was this release entirely contained within a lined containment area		No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 Cl B)	2700
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	1570
GRO+DRO	(EPA SW-846 Method 8015M)	1570
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence		10/01/2024
On what date will (or did) the final sampling or liner inspection occur		02/12/2025
On what date will (or was) the remediation complete(d)		03/14/2025
What is the estimated surface area (in square feet) that will be reclaimed		3370
What is the estimated volume (in cubic yards) that will be reclaimed		499
What is the estimated surface area (in square feet) that will be remediated		0
What is the estimated volume (in cubic yards) that will be remediated		0
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.		

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 441745
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	No soils to be removed for remediation. Soils will be removed to bring to reclamation standards at facility deconstruction.
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
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.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/12/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 441745
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 441745
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**430152**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**02/12/2025**
What was the (estimated) number of samples that were to be gathered	**2**
What was the sampling surface area in square feet	**45**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	3370
What was the total volume (in cubic yards) reclaimed	499
Summarize any additional remediation activities not included by answers (above)	Soils below lined containment meet remediation standards. Soils to be brought to reclamation standards on facility deconstruct.

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/12/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 441745
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 441745
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation closure approved. Note that for future releases at this site the minimum distances to the following should be updated under the Site Characterization portion of the C-141 application to include: a significant watercourse (1/2 mi NW), a wetland (1/2 mi NW) and a 100-year floodplain (.85 mi S).	4/10/2025