



Souder, Miller & Associates ♦ 201 S. Halagueno St. ♦ Carlsbad, NM 88220  
(575) 689-7040

June 29, 2020

SMA #5E29133, BG4

NMOCD District 1  
1625 N. French Drive  
Hobbs, New Mexico 88240

**RE: LINER INSPECTION REPORT  
BOOMSLANG 14 23 FEDERAL #003H (NOY1736032564)**

To Whom it May Concern:

Souder, Miller & Associates (SMA) is pleased to submit this letter report on behalf of Devon Energy Production Company (Devon Energy) summarizing the liner inspection that occurred due to the Boomslang 14 23 Federal #003H release. The site is located in Unit Letter D Section 14, Township 24S, Range 33E (N32.2243125 /W -103.5509042) Lea County, New Mexico, on BLM land.

**Site Characterization**

On December 26, 2017, the bolts on the manway were not properly tightened resulting in the release of 12 bbls of produced water into the lined secondary containment of the tank battery. Initial response activities were conducted by Devon and included source elimination, isolation of the pump, and site stabilization, which recovered 12 bbls of produced water.

Based upon New Mexico Office of the State Engineer (NMOSE) well data, average depth to groundwater in the area is estimated to be 306 feet below grade surface (bgs). There are no water sources within ½-mile of the location, according to the NMOSE water well databases ([https://gis.ose.state.nm.us/gisapps/ose\\_pod\\_locations/](https://gis.ose.state.nm.us/gisapps/ose_pod_locations/); accessed May 29, 2020; Appendix C). There are 3 water wells (C 03917 POD 1, C 03666 POD 1, C 03662 POD 1) with depth to groundwater data. C-03917 POD 1 is located 0.79 miles to the south of the release with a depth to groundwater recorded at 420 feet bgs, Water well C-03666 POD 1 is located 1.19 miles to the southeast of the release with a depth to groundwater recorded at 390 feet bgs, Water well C-03662 POD 1 is located 1.15 to the southwest of the release with a depth to groundwater recorded at 110 feet bgs. The nearest significant watercourse is an unnamed plata, located approximately 7,897 feet directly to the east.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of >100 feet bgs.

**Liner Integrity**

At the request of Devon Energy, on May 26, 2020, SMA conducted a liner integrity inspection per the requirements of 19.15.29.11.A(5)(a) NMAC. NMOCD was notified on May 24, 2020 that the liner inspection was to occur. After a thorough visual inspection of the liner for the tank battery containment, SMA concluded that the liner appeared to be intact and had the ability to contain the leak in question. The bolts from the manway from which the release occurred was identified, and SMA verified that the release did not occur outside of the lined containment. A photo log and field notes of the inspection is included in Appendix A.

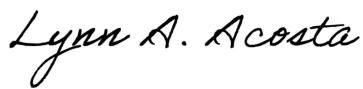
SMA recommends no further action for this release.

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Souder, Miller and Associates appreciates the opportunity to provide environmental services to you. If you have any questions or comments concerning this report, please feel free to call Lynn Acosta at 505-516-7469 or Shawna Chubbuck at 505-488-8641.

Sincerely,  
Souder, Miller & Associates



Lynn A. Acosta  
Staff Scientist I



Shawna Chubbuck  
Senior Scientist

## Figures

Figure 1: Site Map

Figure 2: Surface Water Protection Map

## Appendices

Appendix A: Photo Log & Field Notes

Appendix B: Release Information

Appendix C: Water Well Data

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## **FIGURES**

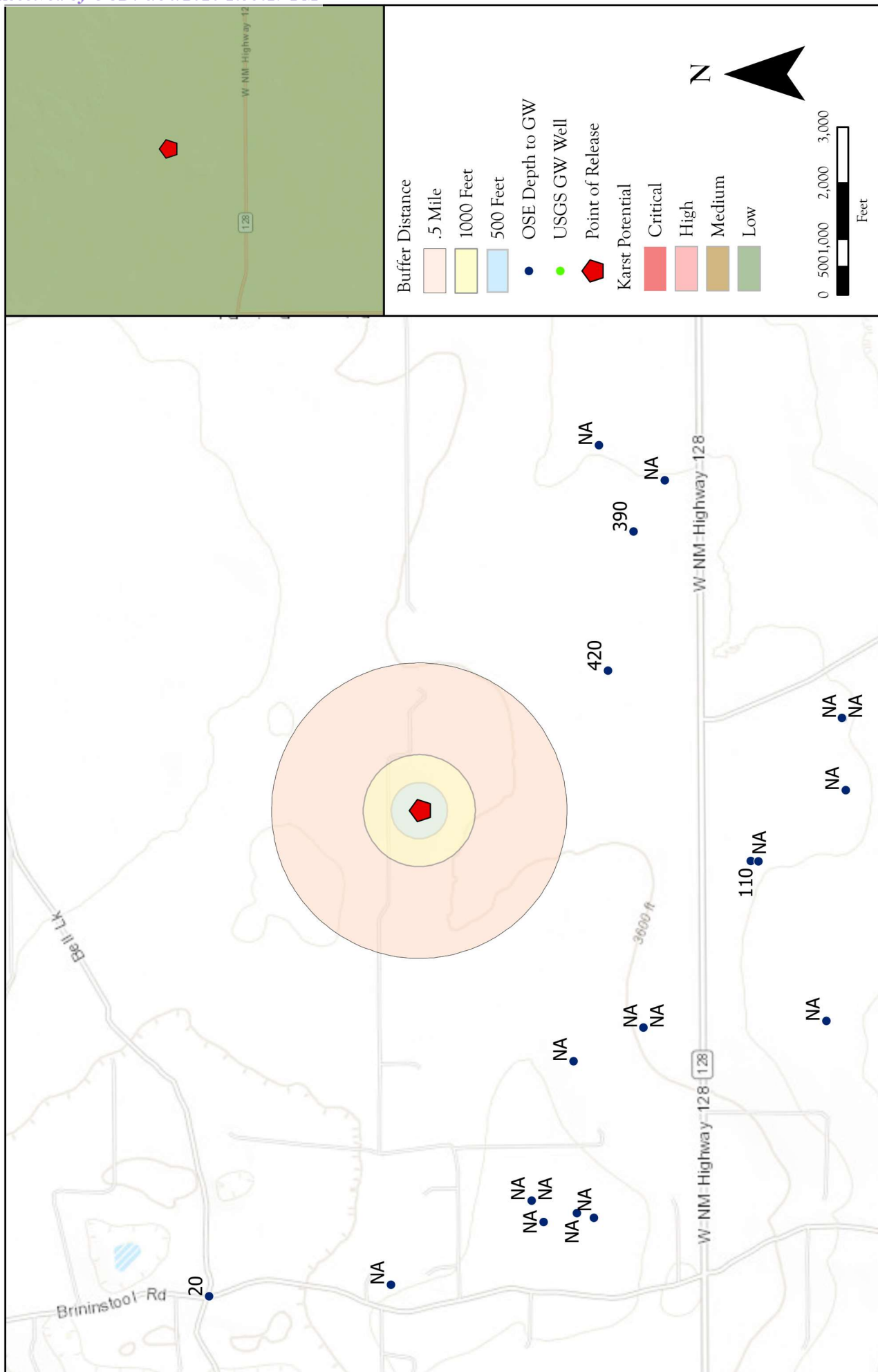


Figure 1

Site Map  
Boomslang 14 CTB 1- Devon Energy  
UL: C S: 14 T: 24 S R: 33 E, Lea County, New Mexico



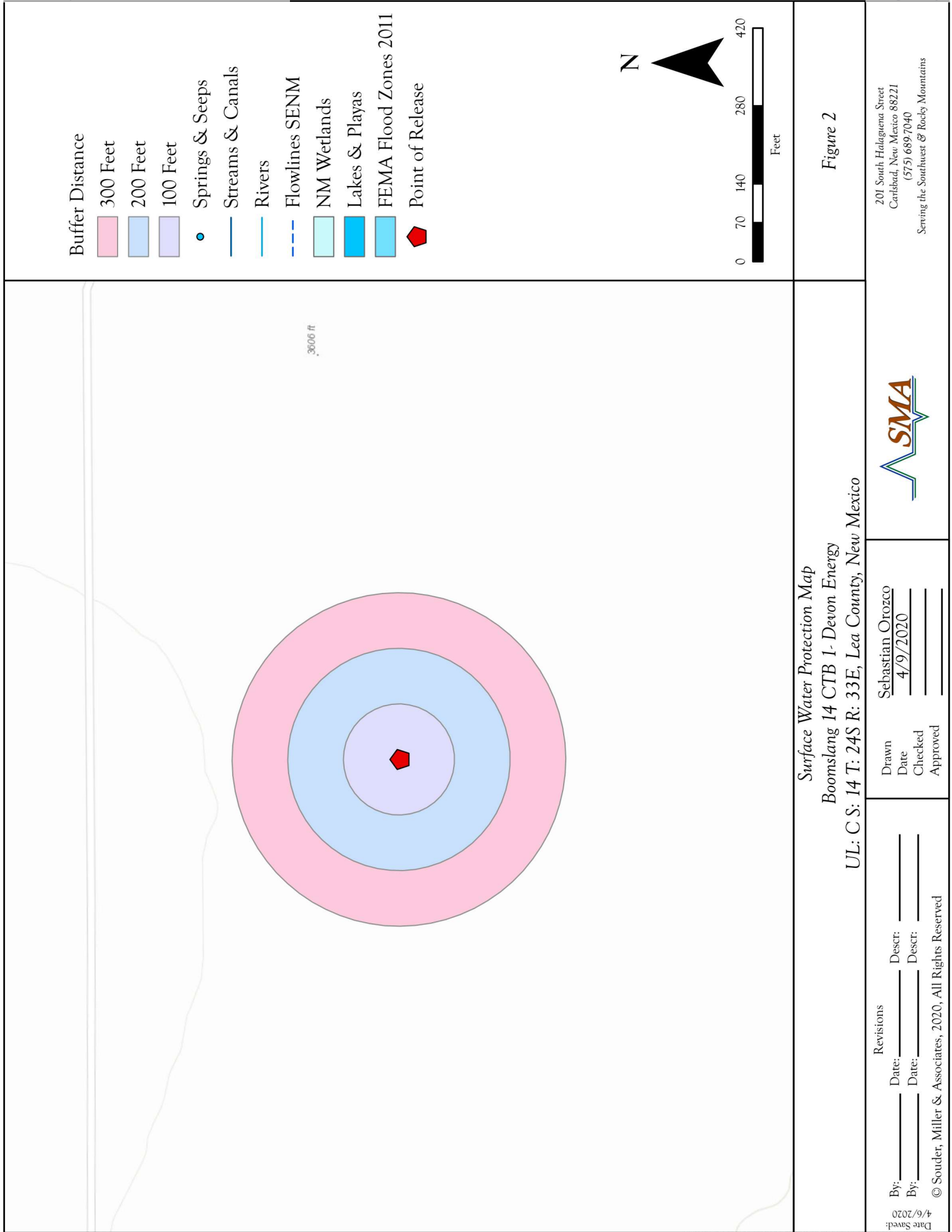
201 South Halaguena Street  
Carlsbad, New Mexico 88221  
(575) 689-7040  
Serving the Southwest & Rocky Mountains

Drawn \_\_\_\_\_  
Date \_\_\_\_\_  
Checked \_\_\_\_\_  
Approved \_\_\_\_\_

Revisions  
By: \_\_\_\_\_ Date: \_\_\_\_\_ Descr: \_\_\_\_\_  
By: \_\_\_\_\_ Date: \_\_\_\_\_ Descr: \_\_\_\_\_

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Date Saved: 4/6/2020



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**Appendix A**  
**PHOTO LOG & FIELD NOTES**



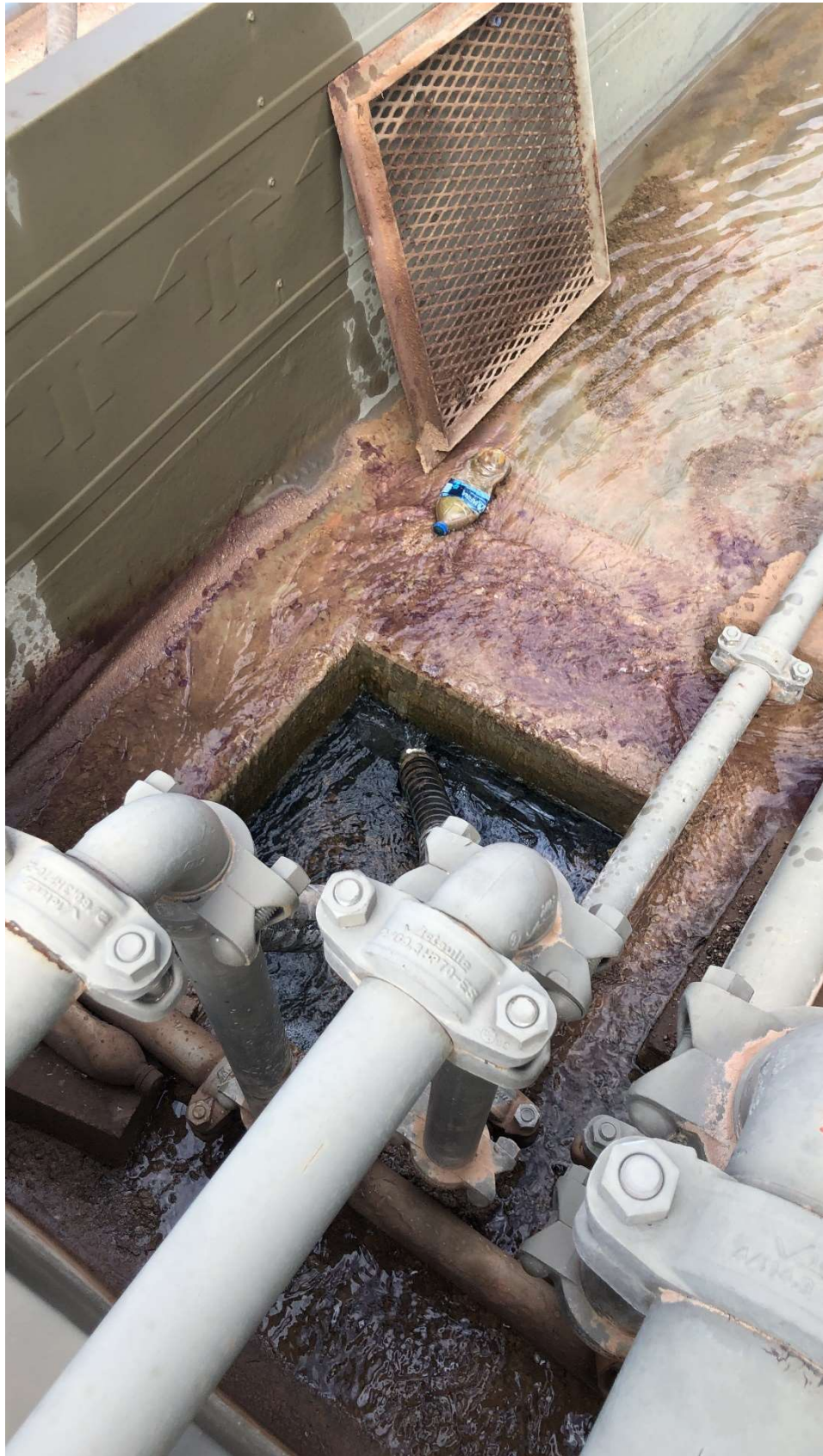




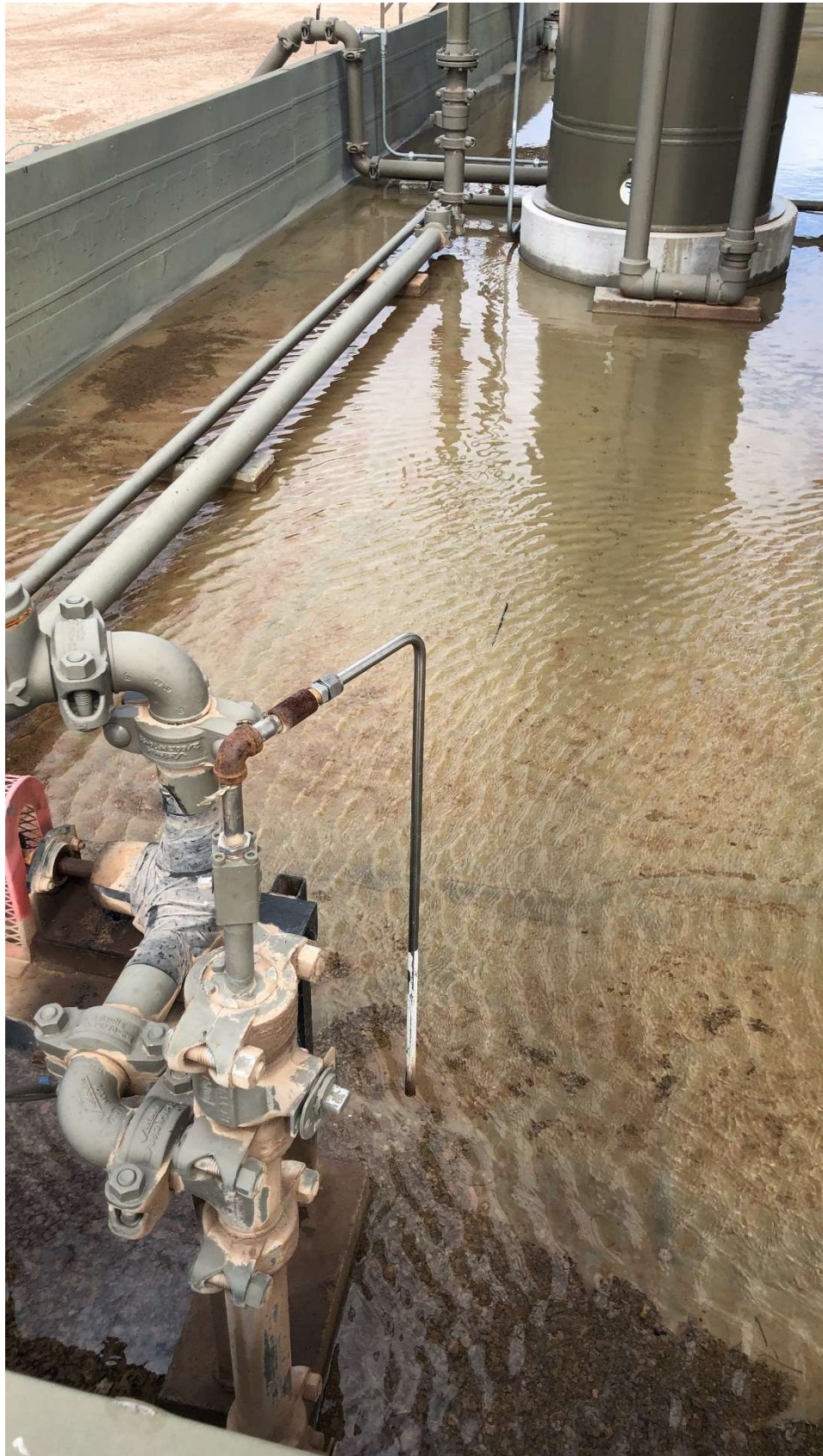












**Souder, Miller & Associates  
Liner Inspection Form**Project Name: Boomsling 14 CTBInspection Date: 3/26/2020Client Name: Devon

Client Representative(s): \_\_\_\_\_

SMA Inspector(s): Sebastian Orozco

Project Location: \_\_\_\_\_

Latitude: 32.2243144 Longitude: -103.539675**Inspection Parameters as Outlined in 19.15.29.11.A(5) NMAC****PRIOR TO INSPECTION:**

Two (2) Business Day Notification of Inspection to Appropriate Division Office

(Y/N): YDate of Notice: 3/24/2020

Material Covering Liner Removed by Client

(Y/N): Y

Affected Areas Exposed by Client

(Y/N): N**INSPECTION:**

Liner Thoroughly Inspected for Damage

(Y/N): YAll Damaged Areas Observed Marked in **White Paint** on Liner

Photos and Field Notes Detailing Failures Attached to This Form

**To Be Completed by Client Representative:**

Can Responsible Party Demonstrate:

Liner Integrity Was Maintained (per SMA Inspection)

(Y/N): \_\_\_\_\_

Release Was Contained to Lined Containment Area

(Y/N): \_\_\_\_\_

Liner Was Able to Contain the Leak

(Y/N): \_\_\_\_\_

If YES:

Certify on Form C-141 That Liner Remains Intact

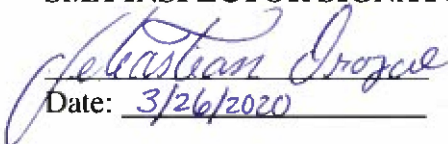
If NO to Any of Above:

Responsible Party Must Delineate Horizontal &amp; Vertical Extent

Depending on Release:

See Table 1 19.15.29.12 NMAC

See Subparagraph (e) Paragraph (5) of Subsection A 19.15.29.11 NMAC

**Additional Comments:****SMA INSPECTOR SIGNATURE**  
Date: 3/26/2020**CLIENT REPRESENTATIVE**Tom Bynum  
Date: 6/29/2020



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## **APPENDIX B RELEASE INFORMATION**



## OCD Permitting

[Home](#) > [Searches](#) > [Incidents](#) > [Incident Details](#)

### NOY1736032564 2017 MINOR A SWS @ 30-025-43309

#### General Incident Information

Site Name:  
Well: [\[30-025-43309\]](#) BOOMSLANG 14 23 FEDERAL #003H  
Facility:  
Operator: [\[6137\]](#) DEVON ENERGY PRODUCTION COMPANY, LP  
Status: Closure Not Approved  
Type: Produced Water Release  
District: Hobbs

Severity: Minor  
Surface Owner: Private  
County: [Lea \(25\)](#)

Incident Location: D-14-24S-33E 200 FNL 233 FWL  
Lat/Long: 32.2243125,-103.5509042 NAD83  
Directions:

#### Notes

Source of Referral: Industry Rep

Action / Escalation:

Resulted In Fire: ☐

Will or Has Reached Watercourse: ☐

Endangered Public Health: ☐

Property Or Environmental Damage: ☐

#### Contact Details

Contact Name:

Contact Title:

#### Event Dates

Date of Discovery: 12/26/2017  
Extension Date: 11/15/2018

OCD Notified of Major Release: 12/21/2017  
Cancelled Date:



TBYNUM (EHS SHARED SAFETY CONTRAC

## Contact Details

Contact Name:

Contact Title:

## Event Dates

Date of Discovery: 12/26/2017

OCD Notified of Major Release: 12/21/2017

Extension Date: 11/15/2018

Cancelled Date:

Initial C-141 Received:

Characterization Report Received:

Characterization Report Approved:

Remediation Plan Received:

Remediation Plan Approved:

Remediation Due:

Closure Report Received:

Closure Report Approved:

## Incidents Materials

Cause	Source	Material	Volume				Units
			Unk.	Spilled	Recovered	Lost	
Human Error	Tank ( Any)	Produced Water	<input type="checkbox"/>	12	12	0	BBL

## Incident Events

Date	Detail
12/26/2017	No RP issued. Lined containment. Incident only. The bolts were not properly tightened on the manway tanks, resulting in a release of produced water. All lines were isolated and the bolts were tightened to prevent any further release. Approx. 12 bbls of PW was released from a leaking manway. All of the 12 bbls of PW were recovered from the lined containment.

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## **APPENDIX C WATER WELL DATA**





## 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	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">C_03917 POD1</a>	C	LE		4	1	3	13	24S	33E	638374	3565212	1301	600	420	180
<a href="#">C_03662 POD1</a>	C	LE		3	1	2	23	24S	33E	637342	3564428	1838	550	110	440
<a href="#">C_04339 POD6</a>	CUB	LE		3	1	2	23	24S	33E	637340	3564386	1879	60		
<a href="#">C_03666 POD1</a>	C	LE		2	3	4	13	24S	33E	639132	3565078	1938	650	390	260
<a href="#">C_04339 POD9</a>	CUB	LE		3	4	2	23	24S	33E	637731	3563913	2340	45		
<a href="#">C_03601 POD1</a>	CUB	LE		4	4	2	23	24S	33E	638124	3563937	2374			

Average Depth to Water: **306 feet**

Minimum Depth: **110 feet**

Maximum Depth: **420 feet**

**Record Count: 6**

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 637588

**Northing (Y):** 3566250

**Radius:** 2500

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

6/29/20 1:39 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

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	nOY1736032564
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Printed Name: Tom Bynum Title: EHS Consultant

Signature: Tom Bynum Date: 6/29/2020

email: tom.bynum@dvni.com Telephone: 575-748-0176

Incident ID	nOY1736032564
District RP	
Facility ID	
Application ID	

**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: \_\_\_\_\_