



402 E. Wood Avenue  
Carlsbad, New Mexico 88220  
Tel. 432.701.2159  
www.ntgenvironmental.com

April 21, 2022

Mike Bratcher  
District Supervisor  
Oil Conservation Division, District 2  
811 S. First Street  
Artesia, New Mexico 88210

**Re: Closure Report  
Tomb Raider 1 CTB 3  
Devon Energy Production Company  
Site Location: Unit A S1 T23S R31E  
(Lat 32.340195, Long -103.724917)  
Eddy County, New Mexico  
Incident ID: NRM2013955347**

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document the liner inspection activities for the Tomb Raider 1 CTB 3(Site). The Site is located in Eddy County approximately 22 miles northeast of Loving, New Mexico (Figures 1 and 2).

### **Background**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on April 29, 2020. The release was the result of VIC clamp failure within the tank battery. The leak resulted in the releases of approximately 7.74 barrels (bbls) of produced water of which 7.74 (bbls) was recovered. The initial C-141 form is attached.

### **Site Characterization**

The Site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no water wells within a 0.5 mile radius of the Site. The nearest identified well is located approximately 2.54 miles west of the Site in S34 T22S R31E. The well has a reported depth to groundwater of 493.20 feet below ground surface (ft bgs).

Review of USGS topographic map (Figure 2) and National Flood Hazard Layer (NFHL) data identified no significant watercourse within a 0.5 mile of the Site.

A copy of the site characterization information and the associated USGS Water Resources report for the nearest water well is attached.

Mr. Mike Bratcher  
April 21, 2022  
Page 2 of 2

### **Regulatory Criteria**

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria are applicable to the Site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH (GRO + DRO + MRO): 100 mg/kg.
- Chloride: 600 mg/kg.

### **Liner Inspection**

On April 7, 2022, NTGE conducted liner inspection activities to assess the liner integrity at the Site. NTGE personnel conducted a visual inspection of the liner and found the liner to be intact with no integrity issues. A photographic log documenting the condition of the liner at the time of the inspection is attached. Additionally, a copy of the 48-hour advance notification of the liner inspection activities provided to the NMOCD is also attached.

### **Conclusions**

Based on the finding of the liner inspection, no further actions are required at the Site. The final C-141 is attached and Devon formally requests a no further action designation for the release. If you have any questions regarding this report or need additional information, please contact us at 432-701-2159.

Sincerely,  
**NTG Environmental**



Ethan Sessums  
Jr. Project Manager

#### Attachments:

Initial and Final C-141  
Site Characterization Information  
Figures  
Photographic Log  
NMOCD 48-Hour Advance Notification



## **INITIAL AND FINAL C-141**

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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	NRM2013955347
District RP	
Facility ID	
Application ID	

## Release Notification

### 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 32.340195 Longitude -103.724917  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Tomb Raider 1 CTB 3	Site Type Central Tank Battery
Date Release Discovered 4/29/2020	API# (if applicable)

Unit Letter	Section	Township	Range	County
A	1	23S	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)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 7.74 BBLS	Volume Recovered (bbls) 7.74 BBLS
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Vic clamps on water transfer pump were leaking causing spill into containment.

Incident ID	NRM2013955347
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

## Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> 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: <b>Kendra DeHoyos</b>	Title: <b>EHS Associate</b>
Signature: <u>Kendra DeHoyos</u>	Date: <u>5/1/2020</u>
email: <u>kendra.dehoyos@dvn.com</u>	Telephone: <u>575-748-3371</u>
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____

Spills In Lined Containment	
Measurements Of Standing Fluid	
Length(Ft)	50
Width(Ft)	40
Depth(in.)	0.25
Total Capacity without tank displacements (bbls)	7.42
No. of 500 bbl Tanks In Standing Fluid	
No. of Other Tanks In Standing Fluid	
OD Of Other Tanks In Standing Fluid(feet)	
Total Volume of standing fluid accounting for tank displacement.	7.42

Incident ID	NRM2013955347
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>493.20'</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	NRM2013955347
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: Env. Professional

Signature: Dale Woodall Date: 10/7/2022

email: dale.woodall@dvn.com Telephone: 575-748-1838

**OCD Only**

Received by: Jocelyn Harimon Date: 12/29/2022

Incident ID	NRM2013955347
District RP	
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## 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: Env. Professional  
Signature: Dale Woodall Date: 10/7/2022  
email: dale.woodall@dvn.com Telephone: 575-748-1838

**OCD Only**

Received by: Jocelyn Harimon Date: 12/29/2022

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

Signature:  Date: 12/29/2022

Incident ID	NRM2013955347
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: Dale Woodall Title: Env. Professional  
Signature: Dale Woodall Date: 10/7/2022  
email: dale.woodall@dvn.com Telephone: 575-748-1838

**OCD Only**

Received by: Jocelyn Harimon Date: 12/29/2022

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: 12/29/2022  
Printed Name: Jocelyn Harimon Title: Environmental Specialist

Type text here



## **SITE CHARACTERIZATION INFORMATION**

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Devon - Tomb Raider 1 CTB 3  
Sec 01 T23S R31E Unit A  
32.339996°, -103.7246713°  
Eddy County, New Mexico

Site Characterization

-0 water features within specified distances of 1/2 mile radius

-Low Karst

-NMSEO Groundwater is 428' below surface, 2.97 miles West of the site, 2011 Drilled, Sec 33 T22S R31E

-NMSEO Groundwater is 168' below surface, 3.23 miles South-southwest of the site, 2007 Drilled, Sec 04 T23S R31E

-NMSEO Groundwater is 639' below surface, 2.73 miles South-southwest of the site, 2014 Drilled, Sec 10 T23S R31E

-USGS Groundwater is 493.20' below surface, 2.54 miles West of the site, 1975 Drilled, Sec 34 T22S R31E

RRALs due to insufficient groundwater data

-Chlorides 600 mg/kg

-TPH GRO+DRO+MRO 100 mg/kg

-BTEX 50 mg/kg

-Benzene 10 mg/kg

## Low Karst

Devon Energy  
Eddy County, NM  
Site Coordinates: 32.339996, -103.7246713

### Legend

-  LOW
-  Site Location

Tomb Raider 1 CTB 3

797

## Nearest water wells

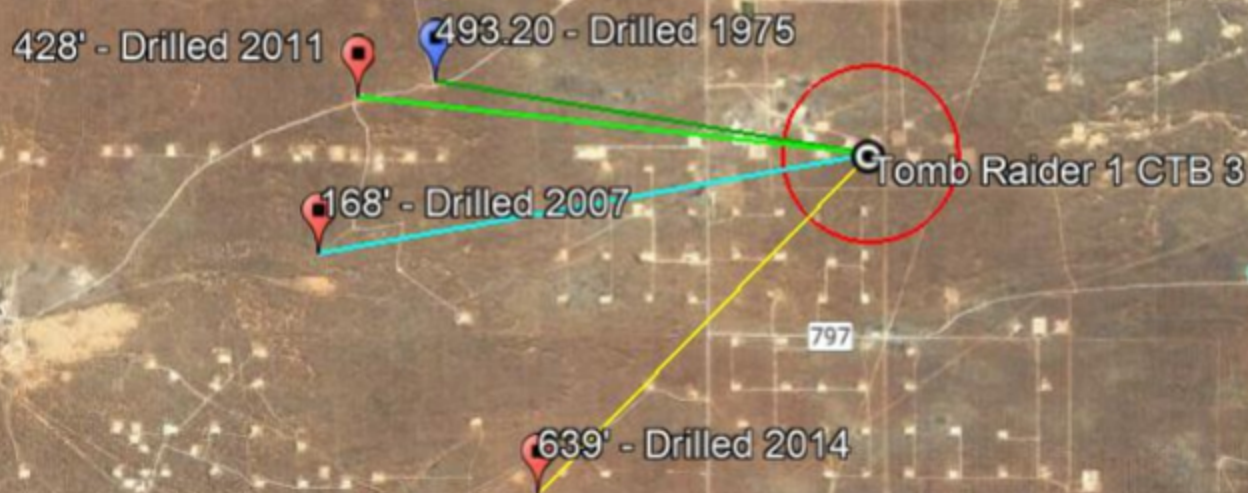
Devon Energy  
Eddy County, NM

Site Coordinates: 32.339996, -103.7246713

### Legend

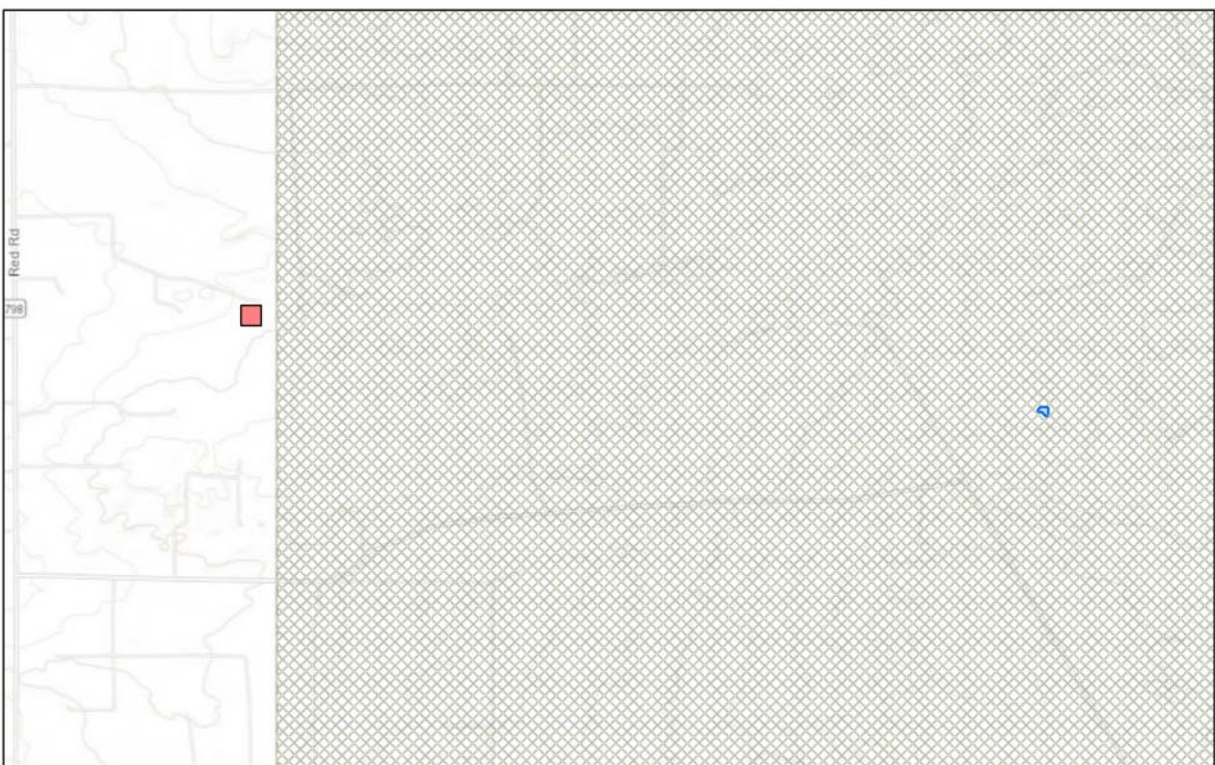
Page 14 of 69

- 1/2 Mile Radius
- 2.54 Miles W
- 2.73 Miles SSW
- 2.97 Miles W
- 3.23 Miles SSW
- NMSEO Water Well
- Site Location
- USGS Water Well

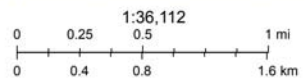




## New Mexico NFHL Data



April 4, 2022



FEMA Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

nmflood.org is made possible through a collaboration with NMDHSEM.

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.



## New Mexico Office of the State Engineer Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03351	4	1	4	04	23S	31E	614917	3577861

<b>Driller License:</b>	421	<b>Driller Company:</b>	GLENN'S WATER WELL SERVICE	
<b>Driller Name:</b>	GLENN, CLARK A."CORKY" (LD)			
<b>Drill Start Date:</b>	11/20/2007	<b>Drill Finish Date:</b>	11/20/2007	<b>Plug Date:</b>
<b>Log File Date:</b>	12/04/2007	<b>PCW Rcv Date:</b>		<b>Source:</b> Shallow
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>		<b>Estimated Yield:</b> 25 GPM
<b>Casing Size:</b>	6.63	<b>Depth Well:</b>	320 feet	<b>Depth Water:</b> 168 feet

Water Bearing Stratifications:	Top	Bottom	Description
	240	265	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	152	304

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.


4/4/22 1:18 PM

POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	02769 POD2	4	2	4	33	22S	31E	615261	3579312 
Driller License: 331		Driller Company:				SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.			
Driller Name:									
Drill Start Date:	11/02/2011	Drill Finish Date:				11/28/2011		Plug Date:	
Log File Date:	12/14/2011	PCW Rcv Date:						Source:	Artesian
Pump Type:		Pipe Discharge Size:						Estimated Yield:	22 GPM
Casing Size:	5.50	Depth Well:				753 feet		Depth Water:	428 feet
Water Bearing Stratifications:		Top	Bottom	Description					
		720	746	Limestone/Dolomite/Chalk					
Casing Perforations:		Top	Bottom						
		720	746						

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4/4/22 10:35 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer  
**Point of Diversion Summary**

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)		(NAD83 UTM in meters)					
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
C	03749 POD1	2	2	15	23S	31E	616974	3575662	
<b>Driller License:</b> 331		<b>Driller Company:</b> SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.							
<b>Driller Name:</b>									
<b>Drill Start Date:</b> 07/10/2014		<b>Drill Finish Date:</b> 08/06/2014		<b>Plug Date:</b>					
<b>Log File Date:</b> 09/11/2014		<b>PCW Rcv Date:</b>		<b>Source:</b> Shallow					
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>		<b>Estimated Yield:</b> 5 GPM					
<b>Casing Size:</b> 4.50		<b>Depth Well:</b> 865 feet		<b>Depth Water:</b> 639 feet					
<b>Water Bearing Stratifications:</b>		<b>Top</b>	<b>Bottom</b>	<b>Description</b>					
		820	846	Limestone/Dolomite/Chalk					
<b>Casing Perforations:</b>		<b>Top</b>	<b>Bottom</b>						
		820	846						

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4/4/22 10:33 AM

POINT OF DIVERSION SUMMARY





# 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 Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 02756</a>	CUB	ED		3	4	4	26	22S	31E	618250	3580606*	2501	1998		
<a href="#">C 03152</a>	CUB	ED		3	4	4	26	22S	31E	618250	3580606*	2501	938		
<a href="#">C 03138</a>	CUB	ED		3	3	3	26	22S	31E	617043	3580591*	3454	750		
<a href="#">C 02939</a>	C	LE		3	3	1	19	22S	32E	620234	3583042*	4210	280		
<a href="#">C 02777</a>	CUB	ED		4	4	4	10	23S	31E	616974	3575662	4399	890		
<a href="#">C 03749 POD1</a>	CUB	ED			2	2	15	23S	31E	616974	3575662	4399	865	639	226
<a href="#">C 02773</a>	CUB	ED		4	1	3	03	23S	31E	615668	3577762*	4482	880		
<a href="#">C 02769 POD2</a>	CUB	ED		4	2	4	33	22S	31E	615261	3579312	4782	753	428	325
<a href="#">C 02687</a>	CUB	ED		4	2	4	33	22S	31E	615246	3579364*	4802	779		
<a href="#">C 02769</a>	CUB	ED		2	2	4	33	22S	31E	615246	3579564*	4828	765		
<a href="#">C 03140</a>	CUB	ED		4	2	4	04	23S	31E	615266	3577758*	4874	684		
<a href="#">C 02757</a>	CUB	ED		4	4	4	28	22S	31E	615232	3580571*	5091	4057		
<a href="#">C 03351</a>	C	ED		4	1	4	04	23S	31E	614917	3577861	5195	320	168	152
<a href="#">C 02767</a>	CUB	ED		4	1	4	33	22S	31E	614844	3579360*	5201	785		
<a href="#">C 02768</a>	CUB	ED		4	1	4	33	22S	31E	614844	3579360*	5201	787		
<a href="#">C 02416</a>	CUB	ED		3	2	4	28	22S	31E	615027	3580973*	5429	800	401	399
<a href="#">C 03150</a>	CUB	ED		2	4	4	14	22S	31E	618412	3584025*	5430	981		
<a href="#">C 02349</a>	CUB	ED			2	3	03	23S	32E	625678	3578004*	5719	525		
<a href="#">C 02685</a>	CUB	ED		2	2	2	28	22S	31E	615218	3581978*	5737	900		
<a href="#">C 02420</a>	CUB	ED		4	2	3	28	22S	31E	614423	3580964*	5986	779	450	329
<a href="#">C 02421</a>	CUB	ED		4	2	3	28	22S	31E	614423	3580964*	5986	786	450	336
<a href="#">C 02422</a>	CUB	ED		4	2	3	28	22S	31E	614423	3580964*	5986	785	450	335
<a href="#">C 02423</a>	CUB	ED		4	2	3	28	22S	31E	614423	3580964*	5986	782	450	332
<a href="#">C 02424</a>	CUB	ED		4	2	3	28	22S	31E	614423	3580964*	5986	786	450	336
<a href="#">C 02425</a>	CUB	ED		4	2	3	28	22S	31E	614423	3580964*	5986	788	450	338
<a href="#">C 02426</a>	CUB	ED		4	2	3	28	22S	31E	614423	3580964*	5986	785	450	335

\*UTM location was derived from PLSS - see Help

(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															
POD Number	Sub-Code	basin	County	Q Q Q			Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
				64	16	4									

Record Count: 26

UTMNAD83 Radius Search (in meters):

Easting (X): 620019.27

Northing (Y): 3578837.31

Radius: 6000

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.



National Water Information System: Web Interface

USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
New Mexico

GO

Click to hideNews Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 322046103460301

Minimum number of levels = 1  
[Save file of selected sites](#) to local disk for future upload

USGS 322046103460301 22S.31E.34.321

Eddy County, New Mexico  
Latitude 32°20'46", Longitude 103°46'03" NAD27  
Land-surface elevation 3,448 feet above NGVD29  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Delaware Mountain Group (313DLRM) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1975-12-18			D	62610	2954.80	NGVD29	1	O	USGS	S	A
1975-12-18			D	62611	2956.44	NAVD88	1	O	USGS	S	A
1975-12-18			D	72019	493.20		1	O	USGS	S	A

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	O	Observed.
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions about sites/data?](#)  
[Feedback on this web site](#)  
[Automated retrievals](#)  
[Help](#)  
[Data Tips](#)  
[Explanation of terms](#)  
[Subscribe for system changes](#)  
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[Accessibility](#)   [FOIA](#)   [Privacy](#)   [Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

**Title: Groundwater for New Mexico: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**

Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2022-04-04 12:45:05 EDT

0.35   0.31 nadww01

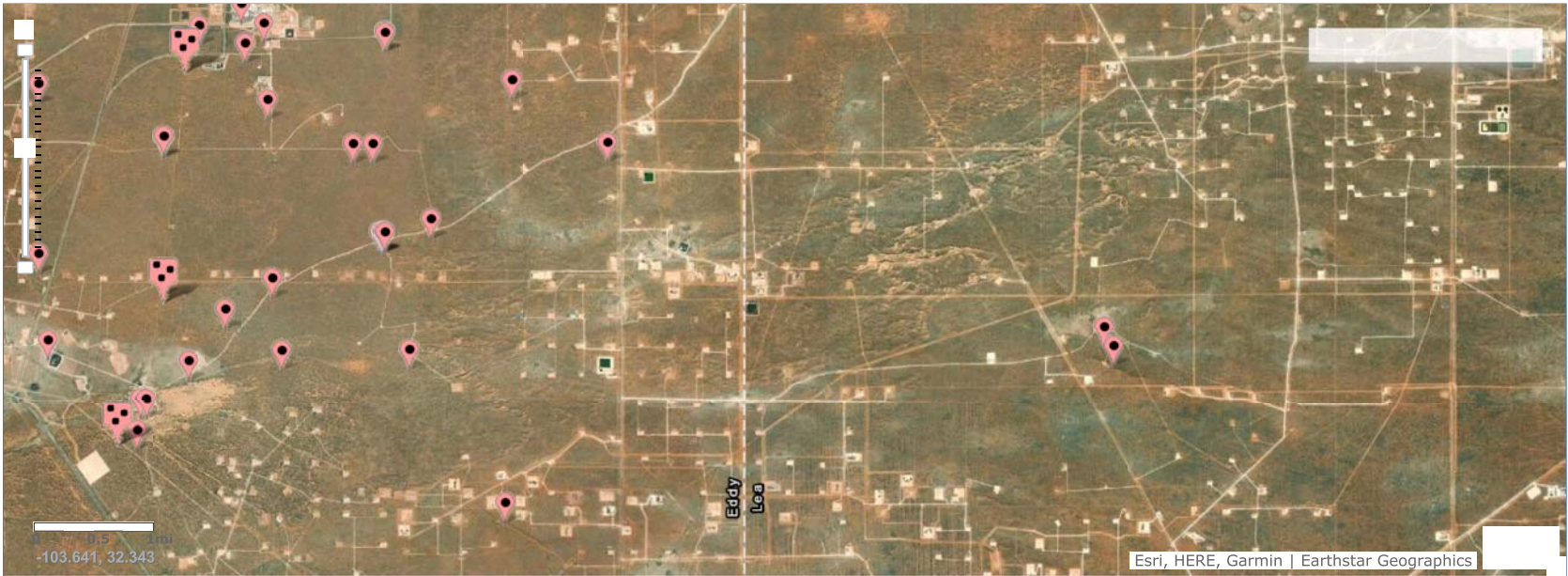




[USGS Home](#)  
[Contact USGS](#)  
[Search USGS](#)

National Water Information System: Mapper

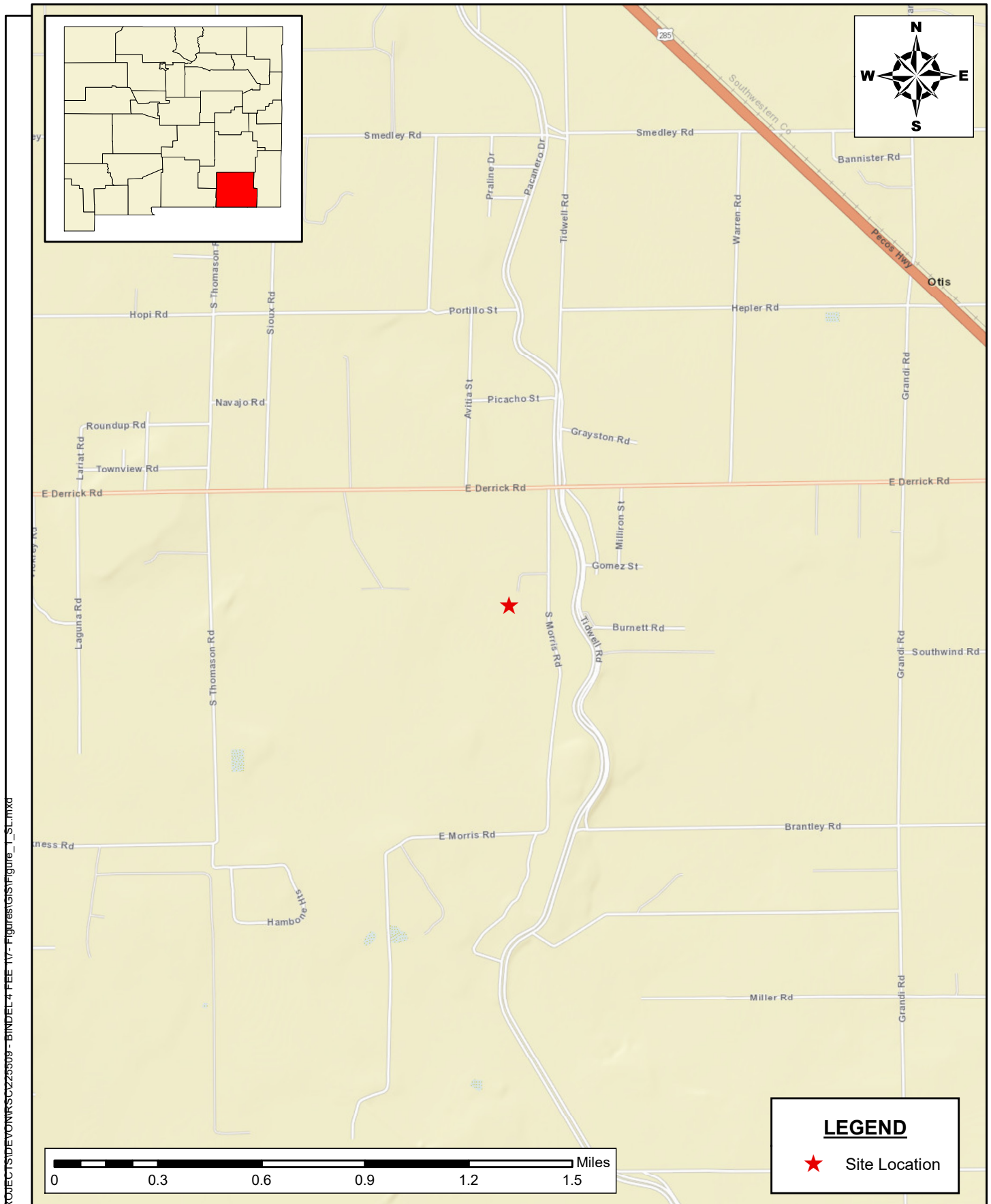
[Help](#) [Info](#)



Site Information

## **FIGURES**

---



Document Path: P:\2022 PROJECTS\DEVONKRS\225509 - BINDEL 4 FEE 1\Figures\GIS\Figure\_1\_SLMXD

**SITE LOCATION MAP**  
**SITE ASSESSMENT REPORT**  
 BINDEL 4 FEE 1  
 DEVON. LLC  
 EDDY COUNTY, NEW MEXICO

SCALE: As Shown    Date: 4/18/2022    PROJECT #: 225509



**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
 F - 281.872.4521  
 Web: www.ntgenviroinmental.com

**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:

**FIGURE 1**

SHEET NUMBER:

**1 of 1**





SCALE: As Shown	Date: 4/18/2022	PROJECT #: 225509
-----------------	-----------------	-------------------

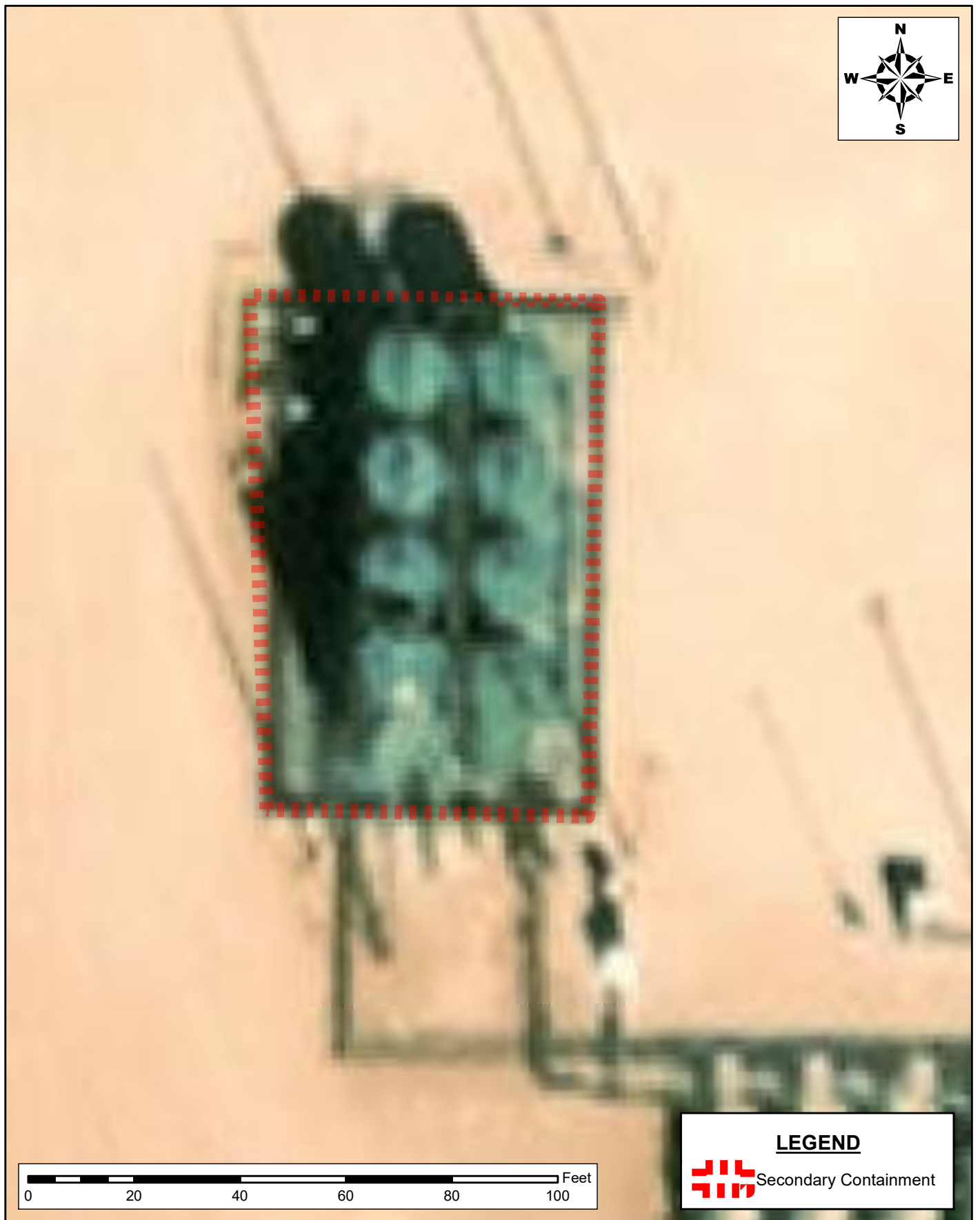
Web: [www.ntqenvironmental.com](http://www.ntqenvironmental.com)

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

1 of 1



Document Path: P:\2022 PROJECT\SIDEVONRSC\225508 - TOMB RAIDER 1 CTB 3\7- Figures\PDF\Figure\_3\_SpillArea.mxd



**SITE LOCATION MAP**  
**SITE ASSESSMENT REPORT**  
 TOMB RAIDER 1 CTB 3  
 DEVON, LLC  
 EDDY COUNTY, NEW MEXICO

SCALE: As Shown

Date: 4/20/2022

PROJECT #: 225508



**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
 F - 281.872.4521  
 Web: www.ntgenviromental.com

**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:

**FIGURE 3**

SHEET NUMBER:

**1 of 1**

## **PHOTOGRAPHIC LOG**

---

# PHOTOGRAPHIC LOG

## Devon Energy Production Company

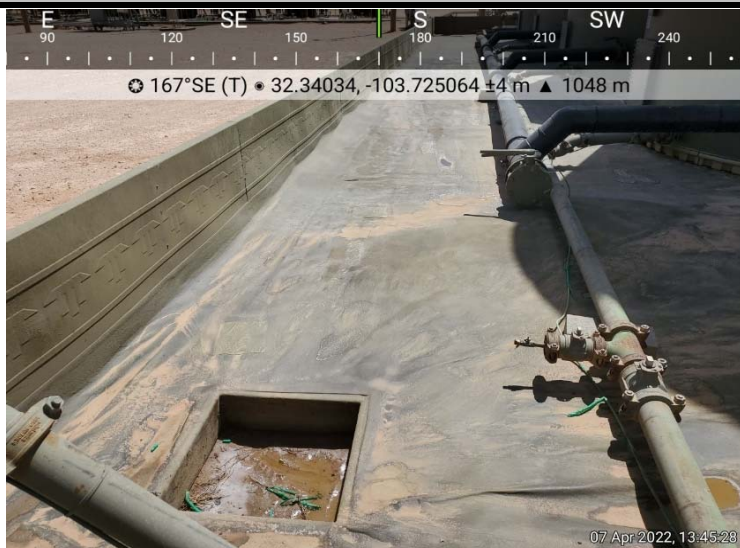
### Photograph No. 1

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**

View South, Area of Lined Containment



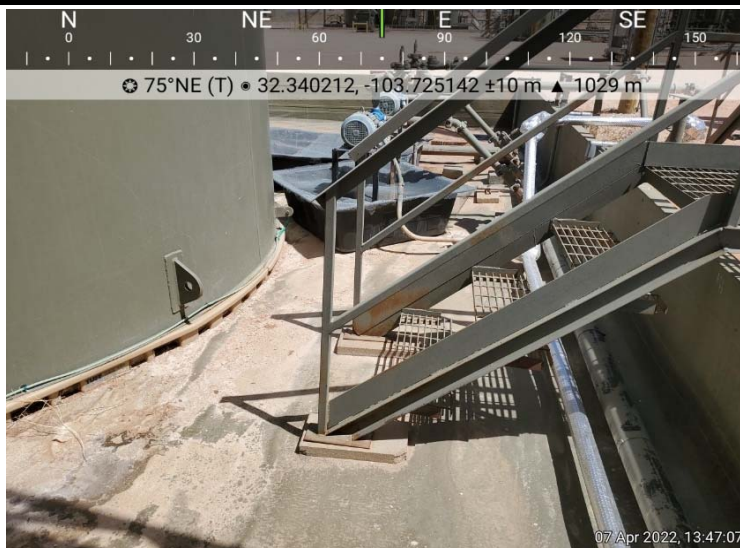
### Photograph No. 2

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**

View Northeast to East, Area of Lined Containment



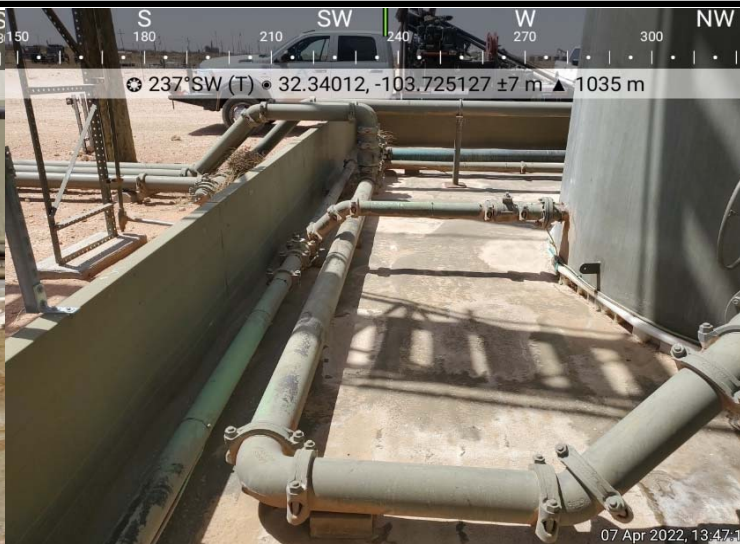
### Photograph No. 3

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**

View Southwest, Area of Lined Containment





# PHOTOGRAPHIC LOG

## Devon Energy Production Company

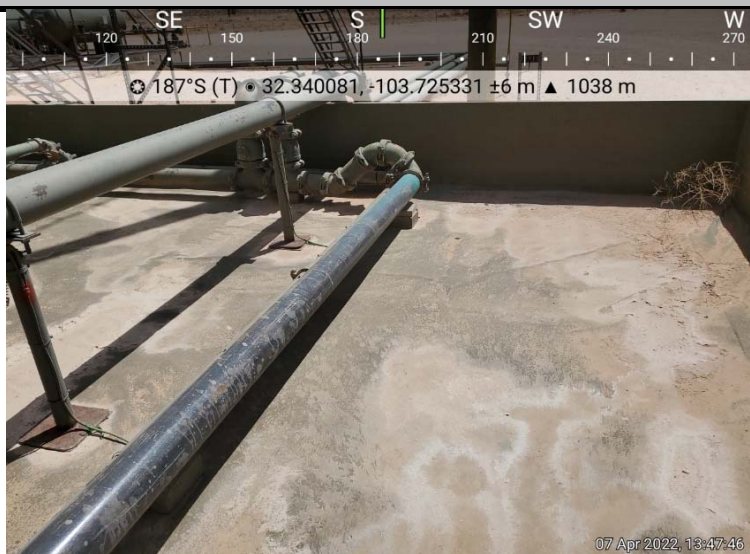
**Photograph No. 4**

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**

View South, Area of Lined Containment

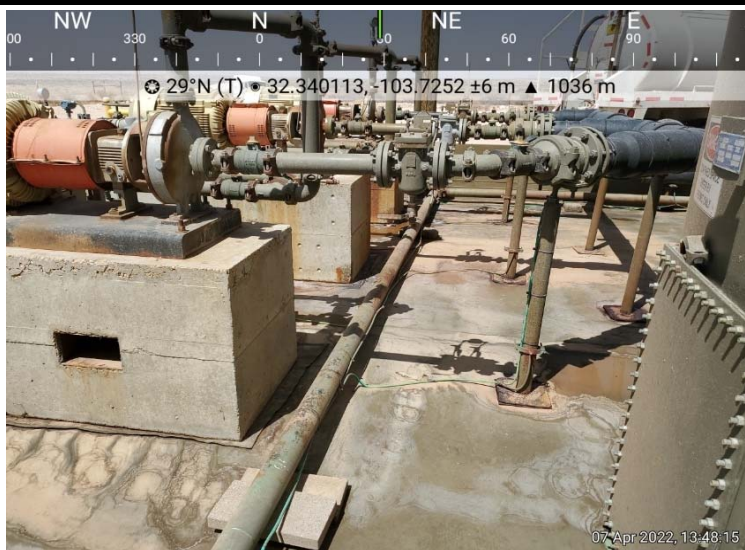
**Photograph No. 5**

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**

View Northeast to East, Area of Lined Containment

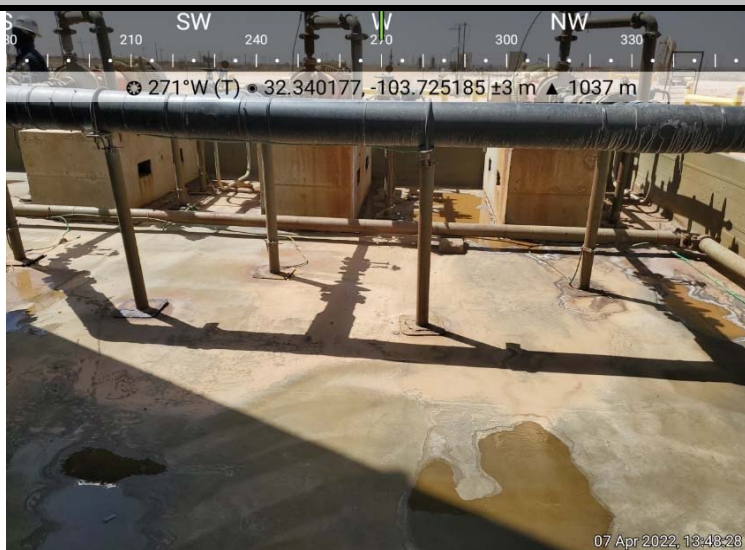
**Photograph No. 6**

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**

View West, Area of Lined Containment



## PHOTOGRAPHIC LOG

### Devon Energy Production Company

**Photograph No. 7**

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**

View East to Southeast, Area of Lined Containment

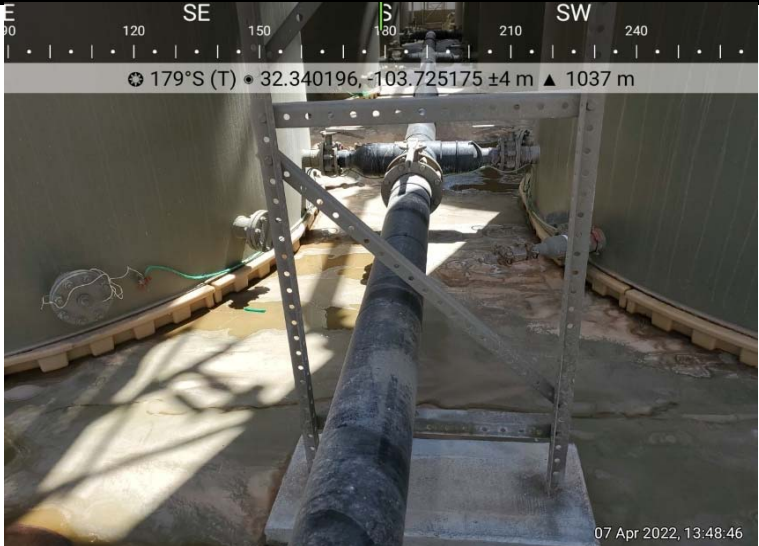
**Photograph No. 8**

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**

View South, Area of Lined Containment

**Photograph No. 9**

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**

View East, Area of Lined Containment





## PHOTOGRAPHIC LOG

### Devon Energy Production Company

**Photograph No. 10**

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**

View West, Area of Lined Containment

**Photograph No. 11**

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**

View West, Area of Lined Containment

**Photograph No. 12**

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**

View South, Area of Lined Containment



## **NMOCD 48-HOUR ADVANCE NOTIFICATION**

## Ethan Sessums

---

**From:** Ethan Sessums  
**Sent:** Friday, April 1, 2022 9:17 AM  
**To:** ocd.enviro@state.nm.us  
**Subject:** LINER INSPECTION NOTIFICATION

Good afternoon,

We will be conducting a liner inspection at the below-referenced site on 4/7/2022 around 11 a.m. Mountain time on behalf of Devon. If there are any questions or concerns, please feel free to reach out.

Site:  
Devon – TOMB RAIDER 1 CTB 3  
Incident Location: D-01-23S-31E 273 FNL 530 FEL  
Lat/Long: 32.339996,-103.7246713 NAD83  
Eddy County, New Mexico

Ethan Sessums  
Environmental Scientist  
NTG Environmental New Mexico  
402 E Wood Ave, Carlsbad, NM 88220  
M: 254-266-5456 W: 432-701-2159  
Email: [esessums@ntglobal.com](mailto:esessums@ntglobal.com)  
<http://www.ntgenvironmental.com/>







402 E. Wood Avenue  
Carlsbad, New Mexico 88220  
Tel. 432.701.2159  
www.ntgenvironmental.com

April 21, 2022

Mike Bratcher  
District Supervisor  
Oil Conservation Division, District 2  
811 S. First Street  
Artesia, New Mexico 88210

**Re: Closure Report  
Tomb Raider 1 CTB 3  
Devon Energy Production Company  
Site Location: Unit A S1 T23S R31E  
(Lat 32.340195, Long -103.724917)  
Eddy County, New Mexico  
Incident ID: NRM2013955347**

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document the liner inspection activities for the Tomb Raider 1 CTB 3(Site). The Site is located in Eddy County approximately 22 miles northeast of Loving, New Mexico (Figures 1 and 2).

### **Background**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on April 29, 2020. The release was the result of VIC clamp failure within the tank battery. The leak resulted in the releases of approximately 7.74 barrels (bbls) of produced water of which 7.74 (bbls) was recovered. The initial C-141 form is attached.

### **Site Characterization**

The Site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no water wells within a 0.5 mile radius of the Site. The nearest identified well is located approximately 2.54 miles west of the Site in S34 T22S R31E. The well has a reported depth to groundwater of 493.20 feet below ground surface (ft bgs).

Review of USGS topographic map (Figure 2) and National Flood Hazard Layer (NFHL) data identified no significant watercourse within a 0.5 mile of the Site.

A copy of the site characterization information and the associated USGS Water Resources report for the nearest water well is attached.

Mr. Mike Bratcher  
April 21, 2022  
Page 2 of 2

### **Regulatory Criteria**

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria are applicable to the Site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH (GRO + DRO + MRO): 100 mg/kg.
- Chloride: 600 mg/kg.

### **Liner Inspection**

On April 7, 2022, NTGE conducted liner inspection activities to assess the liner integrity at the Site. NTGE personnel conducted a visual inspection of the liner and found the liner to be intact with no integrity issues. A photographic log documenting the condition of the liner at the time of the inspection is attached. Additionally, a copy of the 48-hour advance notification of the liner inspection activities provided to the NMOCD is also attached.

### **Conclusions**

Based on the finding of the liner inspection, no further actions are required at the Site. The final C-141 is attached and Devon formally requests a no further action designation for the release. If you have any questions regarding this report or need additional information, please contact us at 432-701-2159.

Sincerely,  
**NTG Environmental**



Ethan Sessums  
Jr. Project Manager

#### Attachments:

Initial and Final C-141  
Site Characterization Information  
Figures  
Photographic Log  
NMOCD 48-Hour Advance Notification

## **INITIAL AND FINAL C-141**

---

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	NRM2013955347
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

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

### Location of Release Source

Latitude 32.340195 Longitude -103.724917  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Tomb Raider 1 CTB 3	Site Type Central Tank Battery
Date Release Discovered 4/29/2020	API# (if applicable)

Unit Letter	Section	Township	Range	County
A	1	23S	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)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 7.74 BBLS	Volume Recovered (bbls) 7.74 BBLS
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Vic clamps on water transfer pump were leaking causing spill into containment.

Incident ID	NRM2013955347
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

## Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> 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: <u>Kendra DeHoyos</u>	Title: <u>EHS Associate</u>
Signature: <u>Kendra DeHoyos</u>	Date: <u>5/1/2020</u>
email: <u>kendra.dehoyos@dvn.com</u>	Telephone: <u>575-748-3371</u>
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____

Spills In Lined Containment	
Measurements Of Standing Fluid	
Length(Ft)	50
Width(Ft)	40
Depth(in.)	0.25
Total Capacity without tank displacements (bbls)	7.42
No. of 500 bbl Tanks In Standing Fluid	
No. of Other Tanks In Standing Fluid	
OD Of Other Tanks In Standing Fluid(feet)	
Total Volume of standing fluid accounting for tank displacement.	7.42

Incident ID	NRM2013955347
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>493.20'</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico  
Oil Conservation Division

Incident ID	NRM2013955347
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: Env. Professional

Signature: Dale Woodall Date: 10/7/2022

email: dale.woodall@dvn.com Telephone: 575-748-1838

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_



Incident ID	NRM2013955347
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: Env. Professional  
Signature: Dale Woodall Date: 10/7/2022  
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	NRM2013955347
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: Dale Woodall Title: Env. Professional  
Signature: Dale Woodall Date: 10/7/2022  
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: \_\_\_\_\_

Type text here

## **SITE CHARACTERIZATION INFORMATION**

---

Devon - Tomb Raider 1 CTB 3  
Sec 01 T23S R31E Unit A  
32.339996°, -103.7246713°  
Eddy County, New Mexico

Site Characterization

-0 water features within specified distances of 1/2 mile radius

-Low Karst

-NMSEO Groundwater is 428' below surface, 2.97 miles West of the site, 2011 Drilled, Sec 33 T22S R31E

-NMSEO Groundwater is 168' below surface, 3.23 miles South-southwest of the site, 2007 Drilled, Sec 04 T23S R31E

-NMSEO Groundwater is 639' below surface, 2.73 miles South-southwest of the site, 2014 Drilled, Sec 10 T23S R31E

-USGS Groundwater is 493.20' below surface, 2.54 miles West of the site, 1975 Drilled, Sec 34 T22S R31E

RRALs due to insufficient groundwater data

-Chlorides 600 mg/kg

-TPH GRO+DRO+MRO 100 mg/kg

-BTEX 50 mg/kg

-Benzene 10 mg/kg

## Low Karst

Devon Energy  
Eddy County, NM  
Site Coordinates: 32.339996, -103.7246713

### Legend

-  LOW
-  Site Location

Tomb Raider 1 CTB 3

797



1 mi

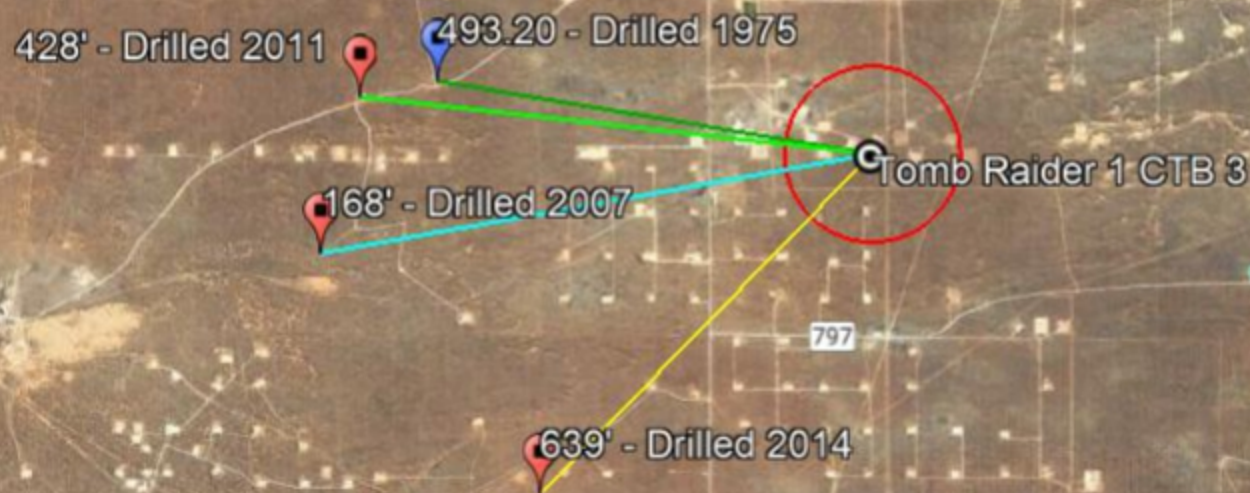


## Nearest water wells

Devon Energy  
Eddy County, NM  
Site Coordinates: 32.339996, -103.7246713

### Legend

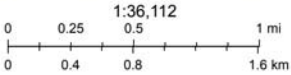
- 1/2 Mile Radius
- 2.54 Miles W
- 2.73 Miles SSW
- 2.97 Miles W
- 3.23 Miles SSW
- NMSEO Water Well
- Site Location
- USGS Water Well



New Mexico NFHL Data



April 4, 2022



FEMA. Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,


[nmflood.org](http://nmflood.org) is made possible through a collaboration with NMDHSEM.

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.






New Mexico Office of the State Engineer  
Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)							(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng		X	Y
	C 03351	4	1	4	04	23S	31E		614917	3577861 
Driller License:	421	Driller Company:		GLENN'S WATER WELL SERVICE						
Driller Name:	GLENN, CLARK A."CORKY" (LD)									
Drill Start Date:	11/20/2007	Drill Finish Date:		11/20/2007		Plug Date:				
Log File Date:	12/04/2007	PCW Rcv Date:				Source:		Shallow		
Pump Type:		Pipe Discharge Size:				Estimated Yield:		25 GPM		
Casing Size:	6.63	Depth Well:		320 feet		Depth Water:		168 feet		
Water Bearing Stratifications:		Top	Bottom	Description						
		240	265	Sandstone/Gravel/Conglomerate						
Casing Perforations:		Top	Bottom							
		152	304							

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



## New Mexico Office of the State Engineer Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	02769 POD2	4	2	4	33	22S	31E	615261	3579312 
Driller License: 331		Driller Company:				SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.			
Driller Name:									
Drill Start Date:	11/02/2011	Drill Finish Date:				11/28/2011		Plug Date:	
Log File Date:	12/14/2011	PCW Rcv Date:						Source:	Artesian
Pump Type:		Pipe Discharge Size:						Estimated Yield:	22 GPM
Casing Size:	5.50	Depth Well:				753 feet		Depth Water:	428 feet
Water Bearing Stratifications:		Top	Bottom	Description					
		720	746	Limestone/Dolomite/Chalk					
Casing Perforations:		Top	Bottom						
		720	746						

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.

4/4/22 10:35 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer  
Point of Diversion Summary

(quarters are 1=

2=NE

3=SW

4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Q64

Q16

Q4

Sec

Tws

Rng

X

Y

C

03749

POD1

2

2

15

23S

31E

616974

3575662

Driller License:

331

Driller Company:

SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.

Drill Start Date:

07/10/2014

Drill Finish Date:

08/06/2014

Plug Date:

Log File Date:

09/11/2014

PCW Rcv Date:

Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

5 GPM

Casing Size:

4.50

Depth Well:

865 feet

Depth Water:

639 feet

Water Bearing Stratifications:

Top

Bottom

Description

820

846

Limestone/Dolomite/Chalk

Casing Perforations:

Top

Bottom

820

846

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





# New Mexico Office of the State Engineer

## 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 Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 02756</a>	CUB	ED		3	4	4	26	22S	31E	618250	3580606*	2501	1998		
<a href="#">C 03152</a>	CUB	ED		3	4	4	26	22S	31E	618250	3580606*	2501	938		
<a href="#">C 03138</a>	CUB	ED		3	3	3	26	22S	31E	617043	3580591*	3454	750		
<a href="#">C 02939</a>	C	LE		3	3	1	19	22S	32E	620234	3583042*	4210	280		
<a href="#">C 02777</a>	CUB	ED		4	4	4	10	23S	31E	616974	3575662	4399	890		
<a href="#">C 03749 POD1</a>	CUB	ED			2	2	15	23S	31E	616974	3575662	4399	865	639	226
<a href="#">C 02773</a>	CUB	ED		4	1	3	03	23S	31E	615668	3577762*	4482	880		
<a href="#">C 02769 POD2</a>	CUB	ED		4	2	4	33	22S	31E	615261	3579312	4782	753	428	325
<a href="#">C 02687</a>	CUB	ED		4	2	4	33	22S	31E	615246	3579364*	4802	779		
<a href="#">C 02769</a>	CUB	ED		2	2	4	33	22S	31E	615246	3579564*	4828	765		
<a href="#">C 03140</a>	CUB	ED		4	2	4	04	23S	31E	615266	3577758*	4874	684		
<a href="#">C 02757</a>	CUB	ED		4	4	4	28	22S	31E	615232	3580571*	5091	4057		
<a href="#">C 03351</a>	C	ED		4	1	4	04	23S	31E	614917	3577861	5195	320	168	152
<a href="#">C 02767</a>	CUB	ED		4	1	4	33	22S	31E	614844	3579360*	5201	785		
<a href="#">C 02768</a>	CUB	ED		4	1	4	33	22S	31E	614844	3579360*	5201	787		
<a href="#">C 02416</a>	CUB	ED		3	2	4	28	22S	31E	615027	3580973*	5429	800	401	399
<a href="#">C 03150</a>	CUB	ED		2	4	4	14	22S	31E	618412	3584025*	5430	981		
<a href="#">C 02349</a>	CUB	ED			2	3	03	23S	32E	625678	3578004*	5719	525		
<a href="#">C 02685</a>	CUB	ED		2	2	2	28	22S	31E	615218	3581978*	5737	900		
<a href="#">C 02420</a>	CUB	ED		4	2	3	28	22S	31E	614423	3580964*	5986	779	450	329
<a href="#">C 02421</a>	CUB	ED		4	2	3	28	22S	31E	614423	3580964*	5986	786	450	336
<a href="#">C 02422</a>	CUB	ED		4	2	3	28	22S	31E	614423	3580964*	5986	785	450	335
<a href="#">C 02423</a>	CUB	ED		4	2	3	28	22S	31E	614423	3580964*	5986	782	450	332
<a href="#">C 02424</a>	CUB	ED		4	2	3	28	22S	31E	614423	3580964*	5986	786	450	336
<a href="#">C 02425</a>	CUB	ED		4	2	3	28	22S	31E	614423	3580964*	5986	788	450	338
<a href="#">C 02426</a>	CUB	ED		4	2	3	28	22S	31E	614423	3580964*	5986	785	450	335

\*UTM location was derived from PLSS - see Help

(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															
POD Number	Sub-Code	basin	County	Q	Q	Q	Sec	Tws	Rng	X	Y	Distance	Depth	Depth	Water
				64	16	4							Well	Water	Column
												Average Depth to Water:		435 feet	
												Minimum Depth:		168 feet	
												Maximum Depth:		639 feet	

Record Count: 26

UTMNAD83 Radius Search (in meters):

Easting (X): 620019.27

Northing (Y): 3578837.31

Radius: 6000

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.



National Water Information System: Web Interface

USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
New Mexico

GO

Click to hideNews Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 322046103460301

Minimum number of levels = 1  
[Save file of selected sites](#) to local disk for future upload

USGS 322046103460301 22S.31E.34.321

Eddy County, New Mexico  
Latitude 32°20'46", Longitude 103°46'03" NAD27  
Land-surface elevation 3,448 feet above NGVD29  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Delaware Mountain Group (313DLRM) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1975-12-18			D	62610	2954.80	NGVD29	1	O	USGS	S	A
1975-12-18			D	62611	2956.44	NAVD88	1	O	USGS	S	A
1975-12-18			D	72019	493.20		1	O	USGS	S	A

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	O	Observed.
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

**Title: Groundwater for New Mexico: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**

Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2022-04-04 12:45:05 EDT

0.35   0.31 nadww01

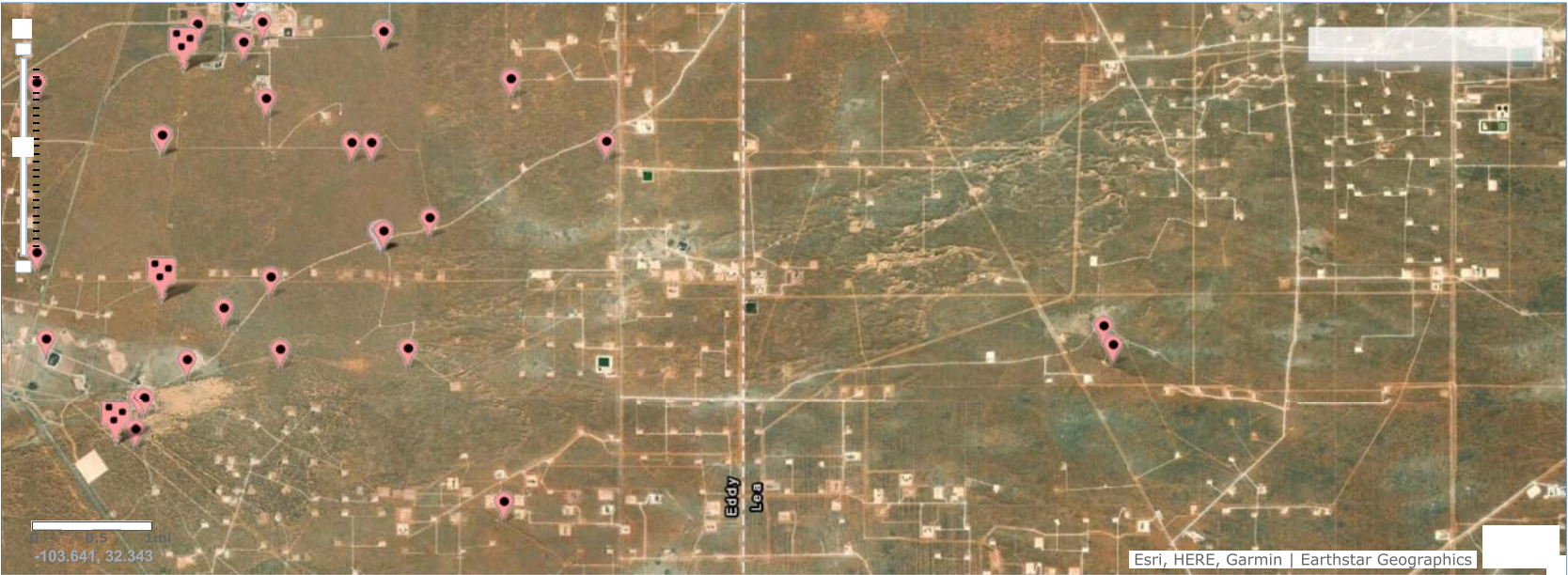




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[Contact USGS](#)  
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National Water Information System: Mapper

[Help](#) [Info](#)

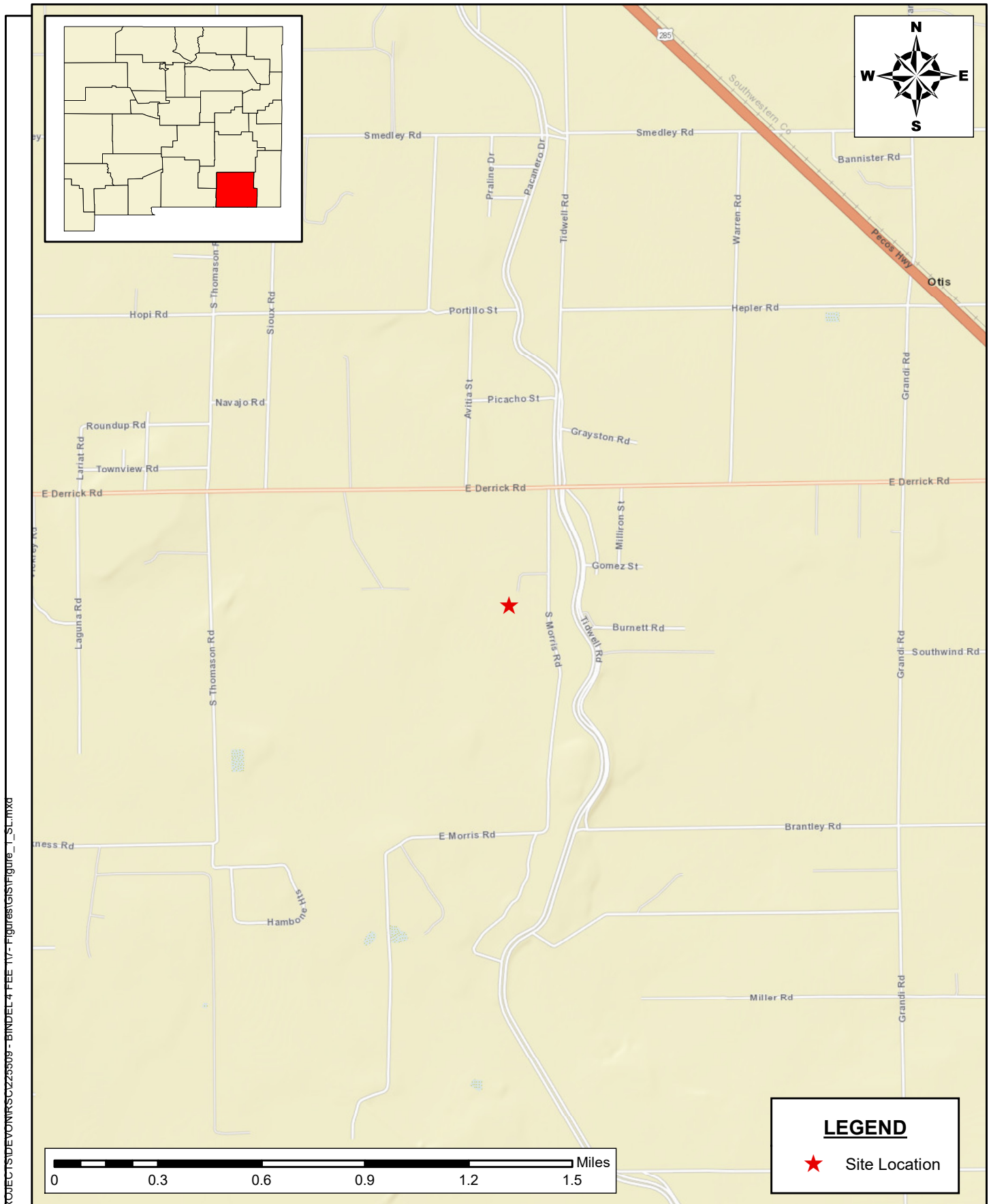


Site Information



## **FIGURES**

---



Document Path: P:\2022 PROJECTS\DEVONKRS\225509 - BINDEL 4 FEE 1\Figures\GIS\Figure\_1\_SLMXD

**SITE LOCATION MAP**  
**SITE ASSESSMENT REPORT**  
 BINDEL 4 FEE 1  
 DEVON. LLC  
 EDDY COUNTY, NEW MEXICO

SCALE: As Shown    Date: 4/18/2022    PROJECT #: 225509



**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
 F - 281.872.4521  
 Web: www.ntgenviroinmental.com

**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:

**FIGURE 1**

SHEET NUMBER:

**1 of 1**





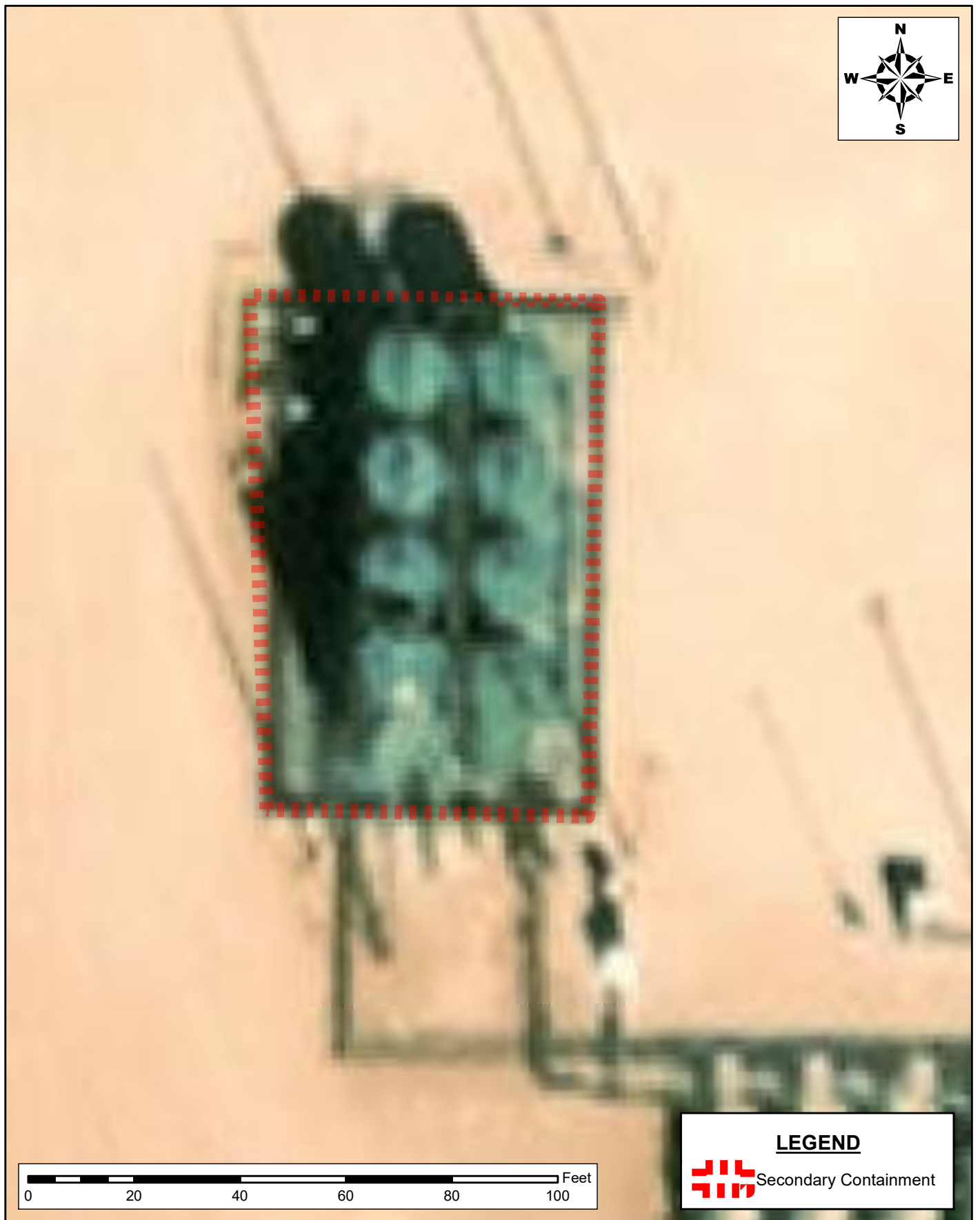
SCALE: As Shown	Date: 4/18/2022	PROJECT #: 225509
-----------------	-----------------	-------------------

Web: [www.ntqenvironmental.com](http://www.ntqenvironmental.com)

## 1 of 1



Document Path: P:\2022 PROJECT\SIDEVONRSC\225508 - TOMB RAIDER 1 CTB 3\7- Figures\PDF\Figure\_3\_SpillArea.mxd

**LEGEND**

Secondary Containment

**SITE LOCATION MAP**  
**SITE ASSESSMENT REPORT**  
 TOMB RAIDER 1 CTB 3  
 DEVON, LLC  
 EDDY COUNTY, NEW MEXICO

SCALE: As Shown

Date: 4/20/2022

PROJECT #: 225508



**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
 F - 281.872.4521  
 Web: www.ntgenviroinmental.com

**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:

**FIGURE 3**

SHEET NUMBER:

**1 of 1**

## **PHOTOGRAPHIC LOG**

---

# PHOTOGRAPHIC LOG

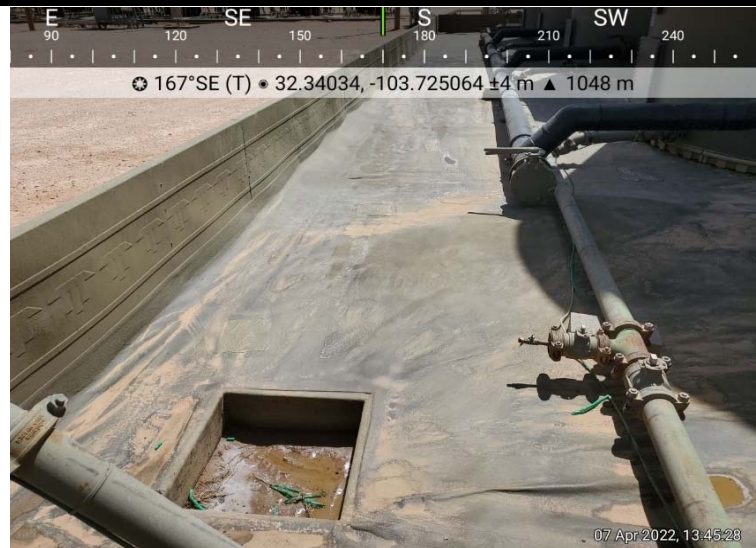
## Devon Energy Production Company

### Photograph No. 1

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**  
View South, Area of Lined Containment

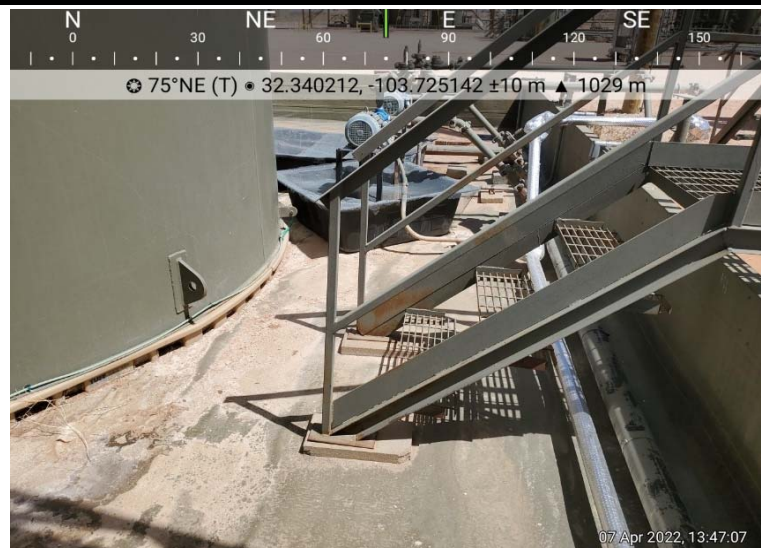


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**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**  
View Northeast to East, Area of Lined Containment

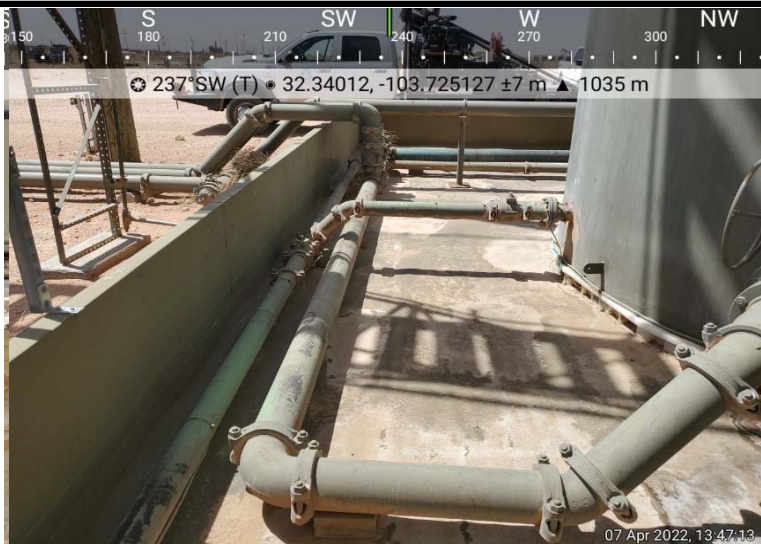


### Photograph No. 3

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**  
View Southwest, Area of Lined Containment





# PHOTOGRAPHIC LOG

## Devon Energy Production Company

**Photograph No. 4**

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

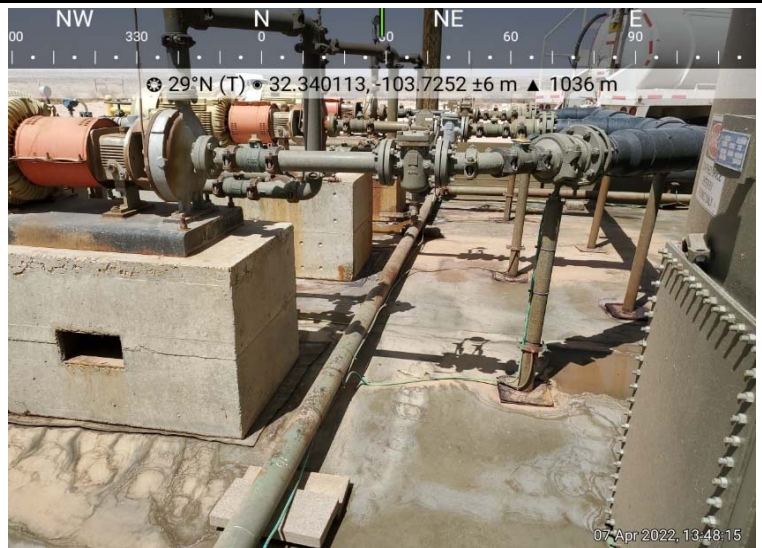
**Description:**  
View South, Area of Lined Containment

**Photograph No. 5**

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**  
View Northeast to East, Area of Lined Containment

**Photograph No. 6**

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**  
View West, Area of Lined Containment



## PHOTOGRAPHIC LOG

### Devon Energy Production Company

**Photograph No. 7**

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**

View East to Southeast, Area of Lined Containment

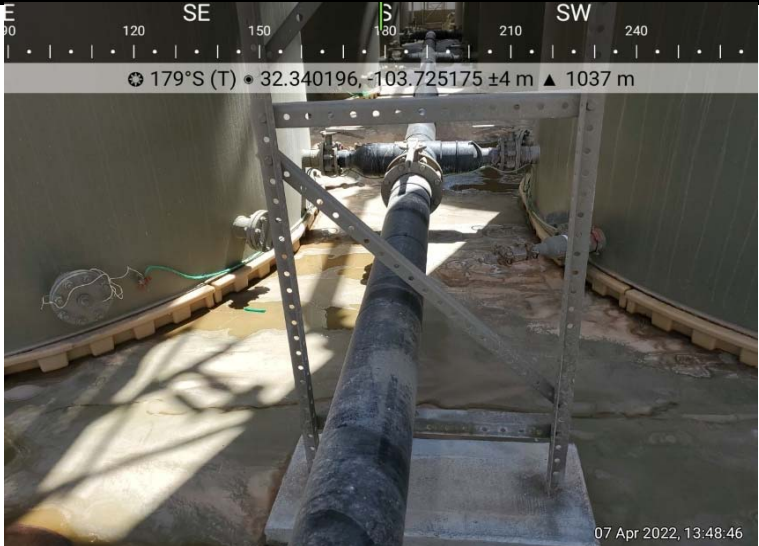
**Photograph No. 8**

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**

View South, Area of Lined Containment

**Photograph No. 9**

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**

View East, Area of Lined Containment





## PHOTOGRAPHIC LOG

### Devon Energy Production Company

**Photograph No. 10**

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**

View West, Area of Lined Containment

**Photograph No. 11**

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**

View West, Area of Lined Containment

**Photograph No. 12**

**Facility:** TOMB RAIDER 1 CTB 3

**County:** Eddy County, New Mexico

**Description:**

View South, Area of Lined Containment



## **NMOCD 48-HOUR ADVANCE NOTIFICATION**

## Ethan Sessums

---

**From:** Ethan Sessums  
**Sent:** Friday, April 1, 2022 9:17 AM  
**To:** ocd.enviro@state.nm.us  
**Subject:** LINER INSPECTION NOTIFICATION

Good afternoon,

We will be conducting a liner inspection at the below-referenced site on 4/7/2022 around 11 a.m. Mountain time on behalf of Devon. If there are any questions or concerns, please feel free to reach out.

Site:  
Devon – TOMB RAIDER 1 CTB 3  
Incident Location: D-01-23S-31E 273 FNL 530 FEL  
Lat/Long: 32.339996,-103.7246713 NAD83  
Eddy County, New Mexico

Ethan Sessums  
Environmental Scientist  
NTG Environmental New Mexico  
402 E Wood Ave, Carlsbad, NM 88220  
M: 254-266-5456 W: 432-701-2159  
Email: [esessums@ntglobal.com](mailto:esessums@ntglobal.com)  
<http://www.ntgenvironmental.com/>



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

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

CONDITIONS  
  
Action 149626

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 149626
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jharimon	None	12/29/2022