



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 32.339996, Long -103.7246713)
Eddy County, New Mexico
Incident ID: NAPP2207867565**

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 March 19, 2021. The release was the result of pump failure within the tank battery. The leak resulted in the releases of approximately 40 barrels (bbls) of produced water of which 40 (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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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 type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (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		

Incident ID	
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 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 type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input 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: _____	Title: _____
Signature: <u>Kendra DeHoyos</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>04/08/2022</u>

Spills In Lined Containment	
Measurements Of Standing Fluid	
Length(Ft)	96
Width(Ft)	60
Depth(in.)	0.634
Total Capacity without tank displacements (bbls)	54.20
No. of 500 bbl Tanks In Standing Fluid	8
No. of Other Tanks In Standing Fluid	
OD Of Other Tanks In Standing Fluid(feet)	
Total Volume of standing fluid accounting for tank displacement.	40.00

Incident ID	nAPP2207867565
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 not 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	nAPP2207867565
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. ProfessionalSignature: Dale Woodall Date: 10/7/2022email: dale.woodall@dv.com Telephone: 575-748-1838**OCD Only**Received by: Jocelyn Harimon Date: 12/29/2022

Incident ID	nAPP2207867565
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: Jocelyn Harimon Date: 12/29/2022

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

Signature:  Date: 12/29/2022

Incident ID	nAPP2207867565
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

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

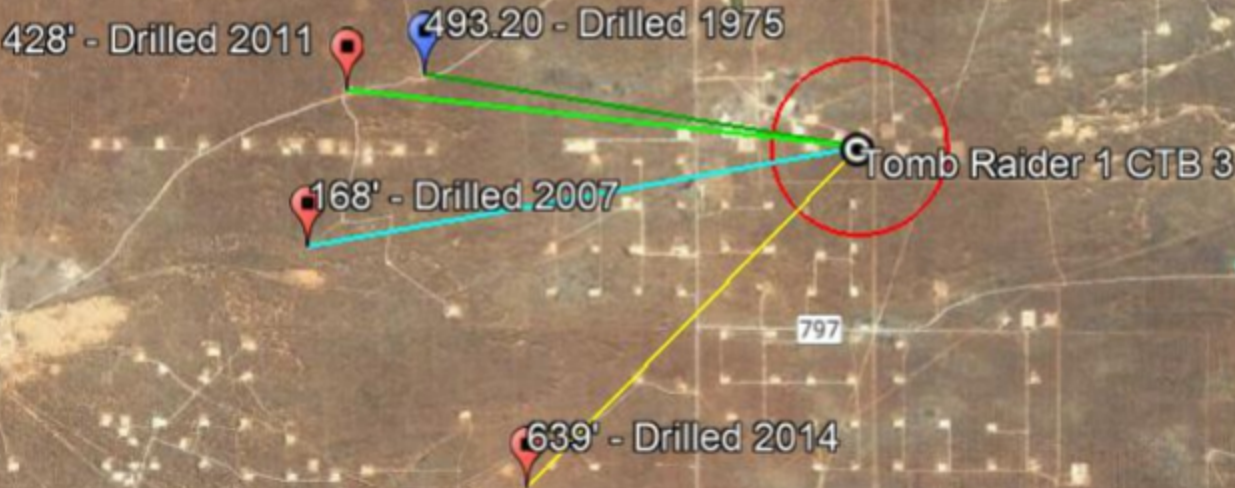
797

Nearest water wells

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

Legend

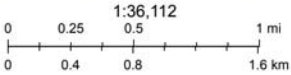
- 1/2 Mile Radius
- 2.54 Miles W
- 2.73 Miles SSW
- 2.97 Miles W
- 3.23 Miles SSW
- NMSEO Water Well
- Site Location
- USGS Water Well



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 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						

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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)	
Well Tag	POD Number	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.			
Driller Name:									
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.

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


USGS Home
Contact USGS
Search USGS

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

Table of data
Tab-separated data
Graph of data
Reselect period

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?](#)
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[Data Tips](#)
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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

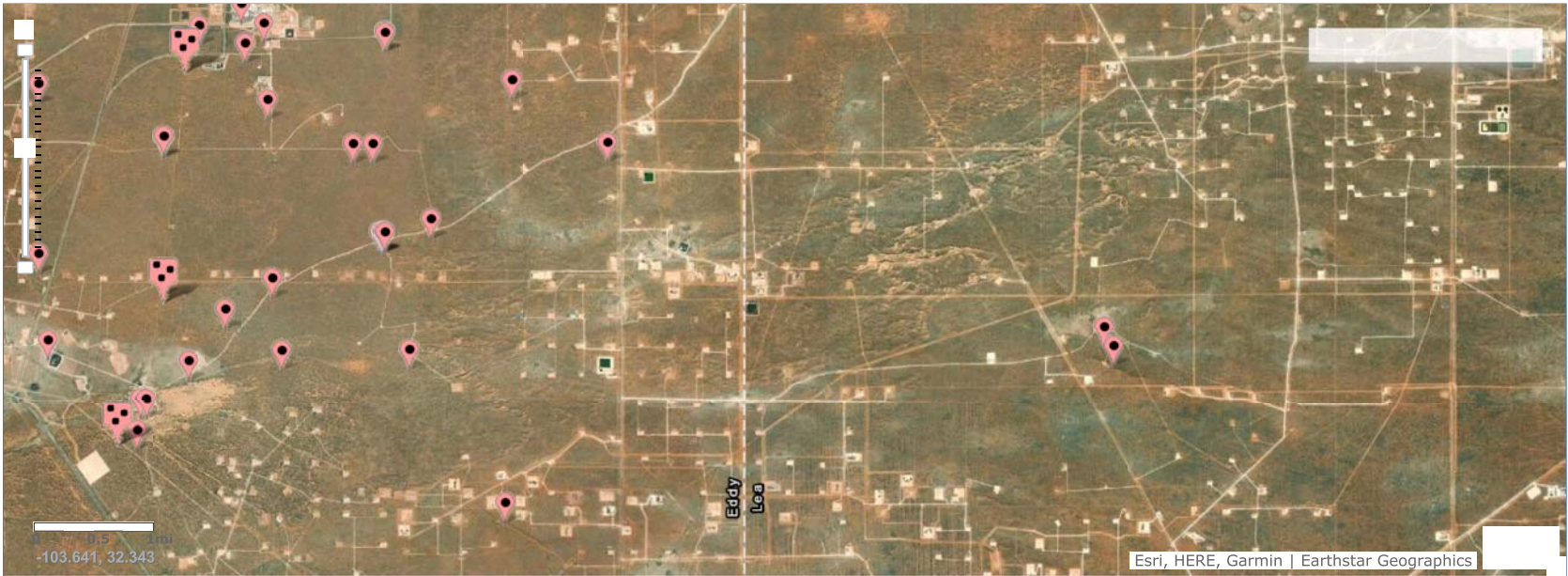




[USGS Home](#)
[Contact USGS](#)
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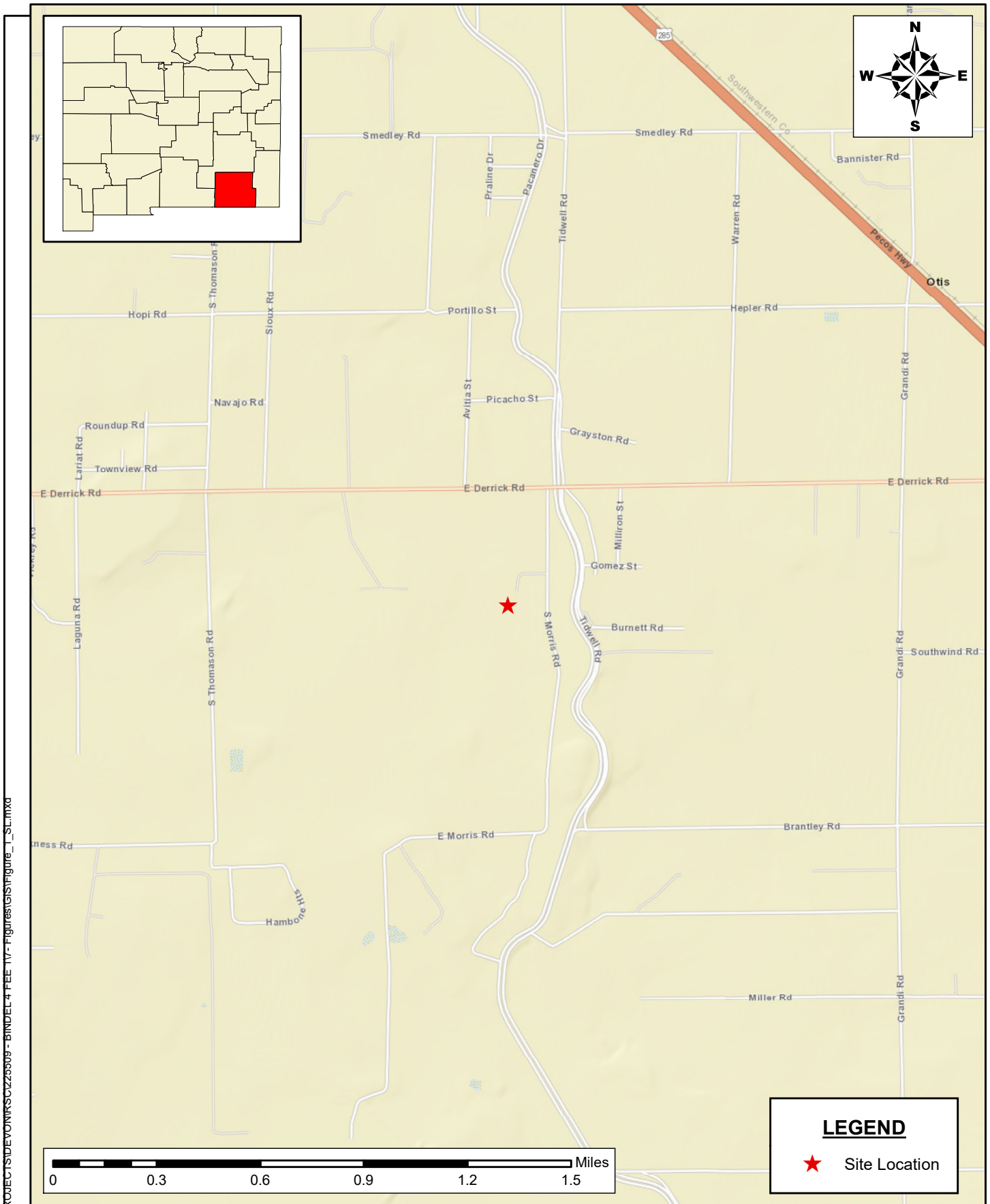
National Water Information System: Mapper

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



Site Information

FIGURES



Document Path: P:\2022 PROJECTS\DEVONKRS\225509 - BINDEL 4 FEE 1\Figures\GIS\Figure_1_SLMX0

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:

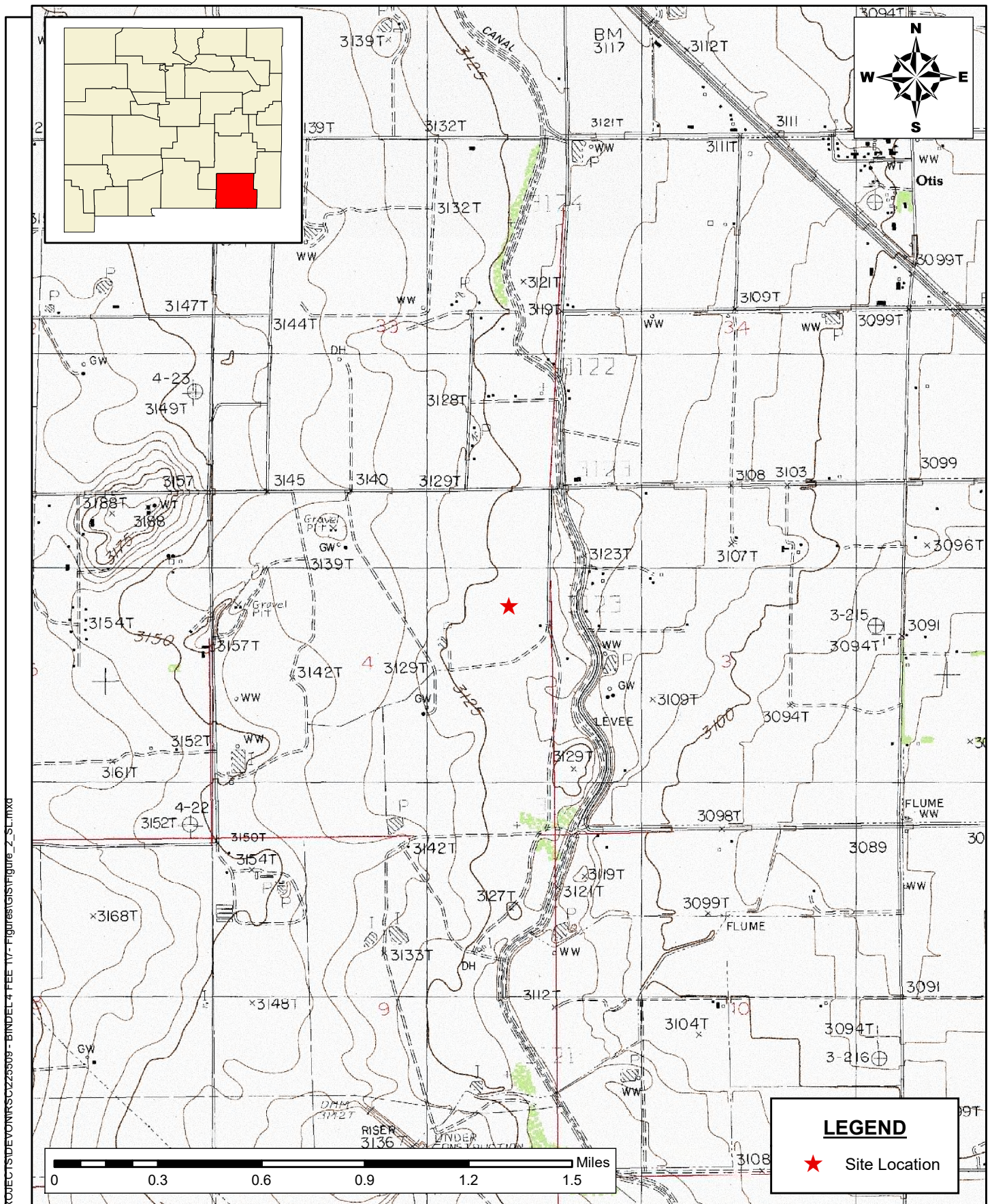
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1



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

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NOTES:

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

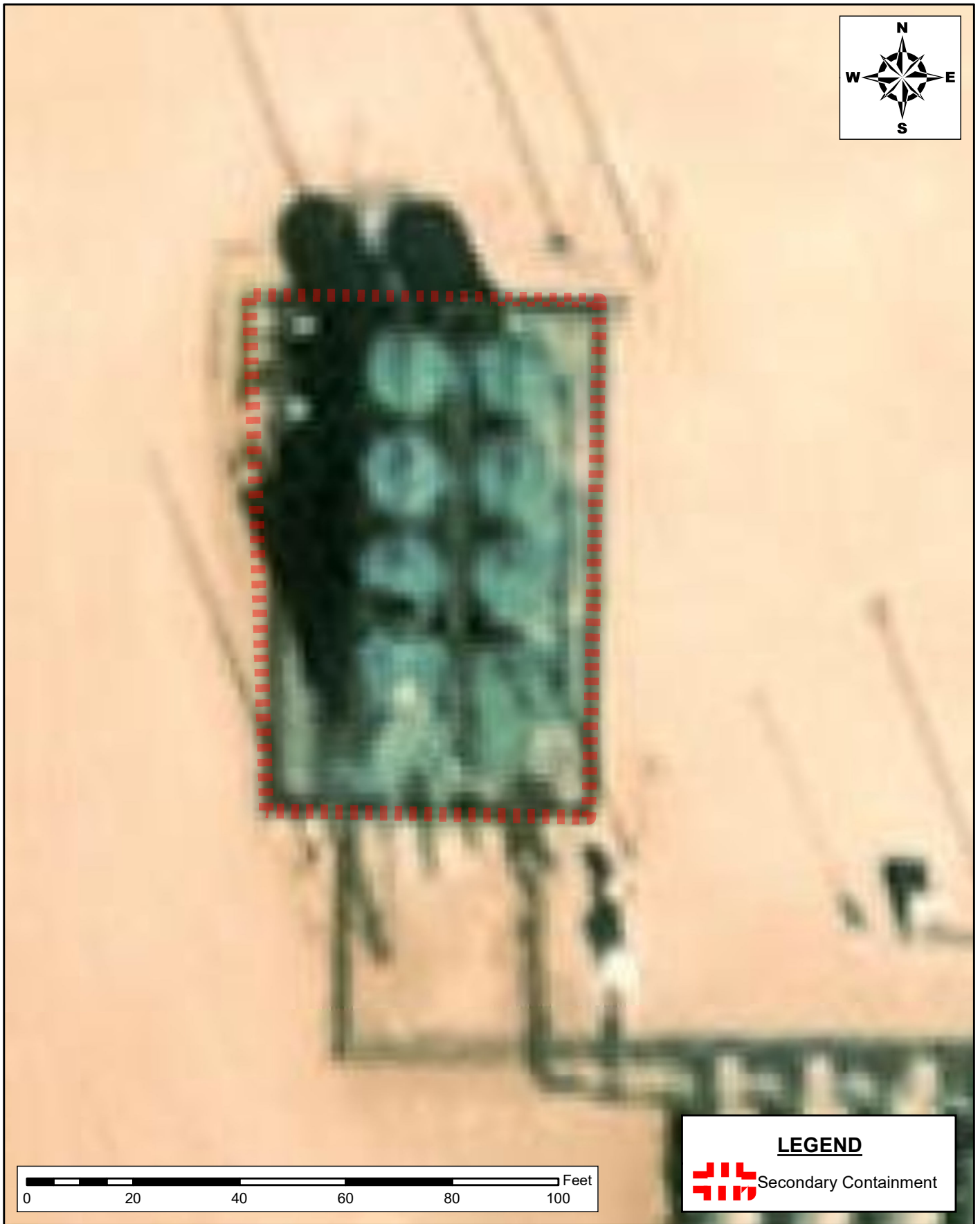
DRAWING NUMBER:

FIGURE 2


SHEET NUMBER:

1 of 1

Document Path: P:\2022 PROJECTS\DEVON\SC\225508 - TOMB RAIDER 1 CTB 3\7- Figures\PDF\Figure_3_SpillArea.mxd



LEGEND

 Secondary Containment

<div>SITE LOCATION MAP SITE ASSESSMENT REPORT TOMB RAIDER 1 CTB 3 DEVON. LLC EDDY COUNTY, NEW MEXICO</div>			<div> New Tech Global Environmental, LLC 911 Regional Park Drive Houston, Texas 77060 T - 281.872.9300 F - 281.872.4521 Web: www.ntgenviroinmental.com</div>	<div><u>NOTES:</u> 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983</div>	DRAWING NUMBER:
					FIGURE 3
					SHEET NUMBER:
					1 of 1
SCALE: As Shown	Date: 4/20/2022	PROJECT #: 225508			

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Devon Energy Production Company

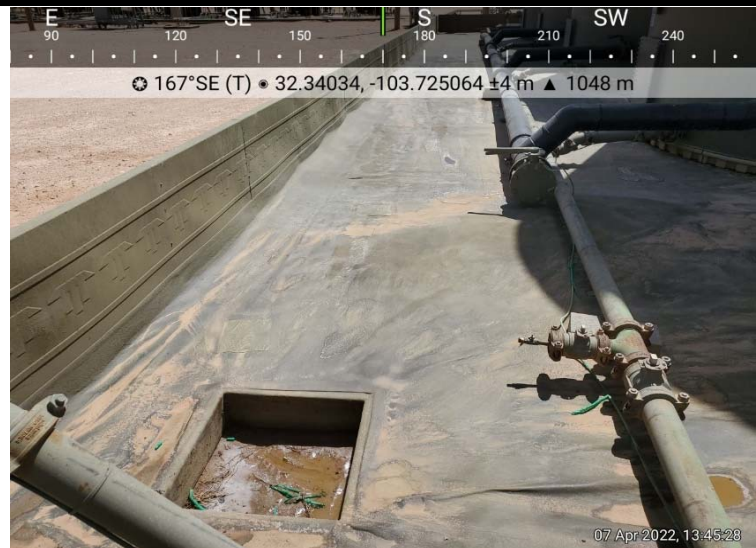
Photograph No. 1

Facility: TOMB RAIDER 1 CTB 3

County: Eddy County, New Mexico

Description:

View South, Area of Lined Containment

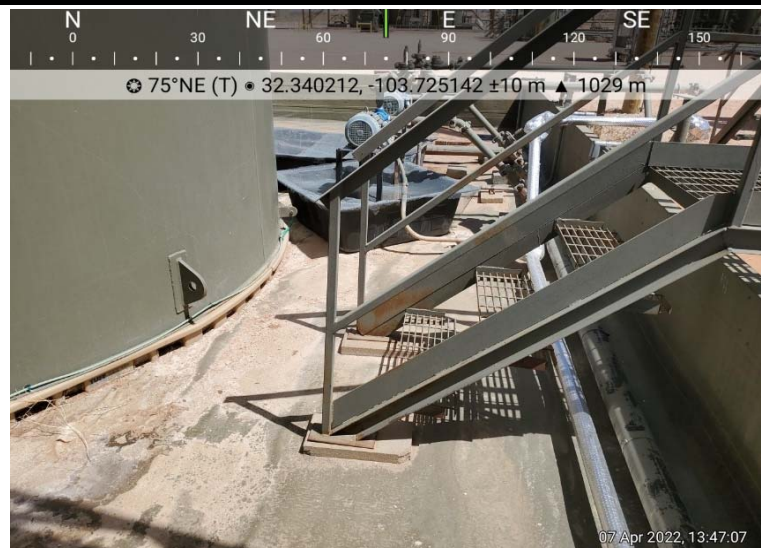
**Photograph No. 2**

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

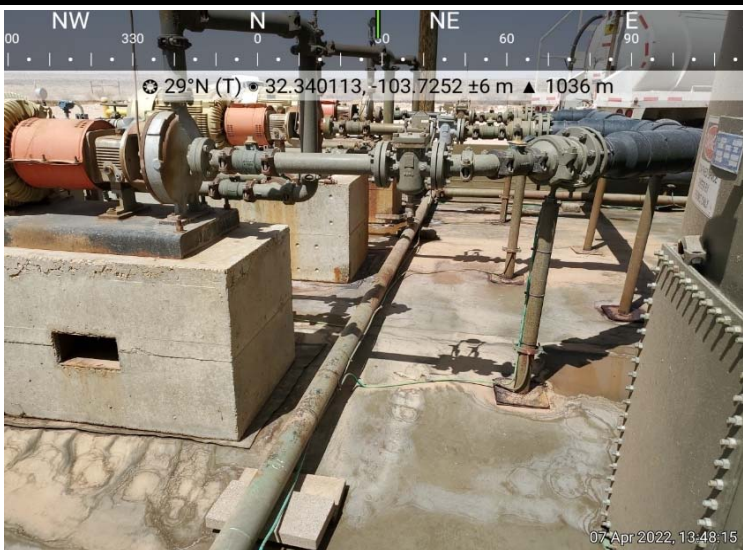
**Photograph No. 5**

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

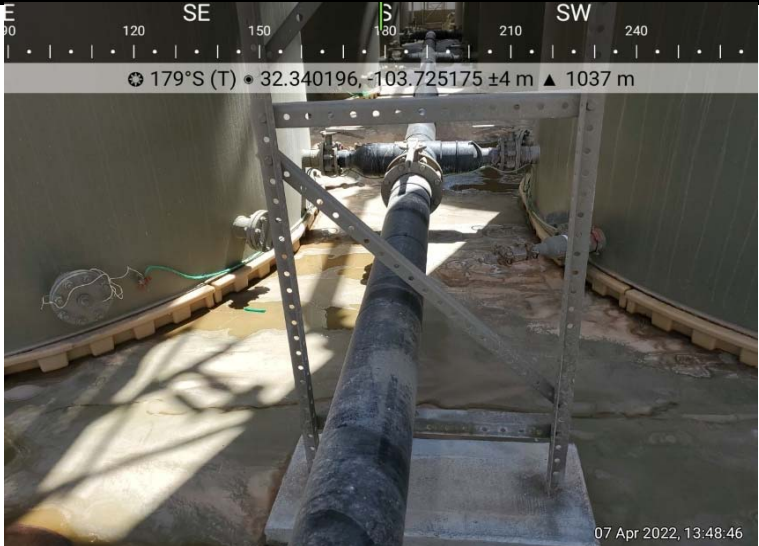
**Photograph No. 8**

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
<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 32.339996, Long -103.7246713)
Eddy County, New Mexico
Incident ID: NAPP2207867565**

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 March 19, 2021. The release was the result of pump failure within the tank battery. The leak resulted in the releases of approximately 40 barrels (bbls) of produced water of which 40 (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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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 type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (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		

Incident ID	
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 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 type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input 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: _____	Title: _____
Signature: <u>Kendra DeHoyos</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>04/08/2022</u>

Spills In Lined Containment	
Measurements Of Standing Fluid	
Length(Ft)	96
Width(Ft)	60
Depth(in.)	0.634
Total Capacity without tank displacements (bbls)	54.20
No. of 500 bbl Tanks In Standing Fluid	8
No. of Other Tanks In Standing Fluid	
OD Of Other Tanks In Standing Fluid(feet)	
Total Volume of standing fluid accounting for tank displacement.	40.00

Incident ID	nAPP2207867565
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 not 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	nAPP2207867565
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@dvni.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2207867565
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	nAPP2207867565
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@dv.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: _____

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



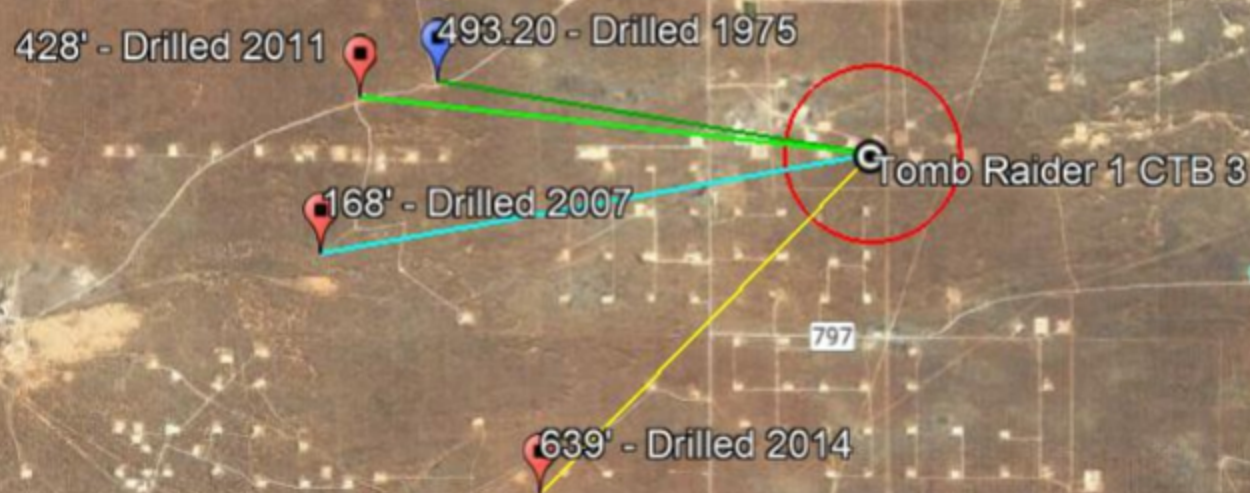
1 mi

Nearest water wells

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

Legend

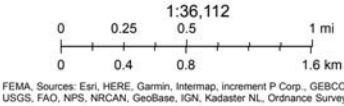
- 1/2 Mile Radius
- 2.54 Miles W
- 2.73 Miles SSW
- 2.97 Miles W
- 3.23 Miles SSW
- NMSEO Water Well
- Site Location
- USGS Water Well



New Mexico NFHL Data



April 4, 2022



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=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	03749 POD1	2	2	15	23S	31E		616974	3575662

Driller License: 331

Driller Company: SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.

Driller Name:

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.

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


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Data Category:
Groundwater

Geographic Area:
New Mexico

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

Table of data
Tab-separated data
Graph of data
Reselect period

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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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

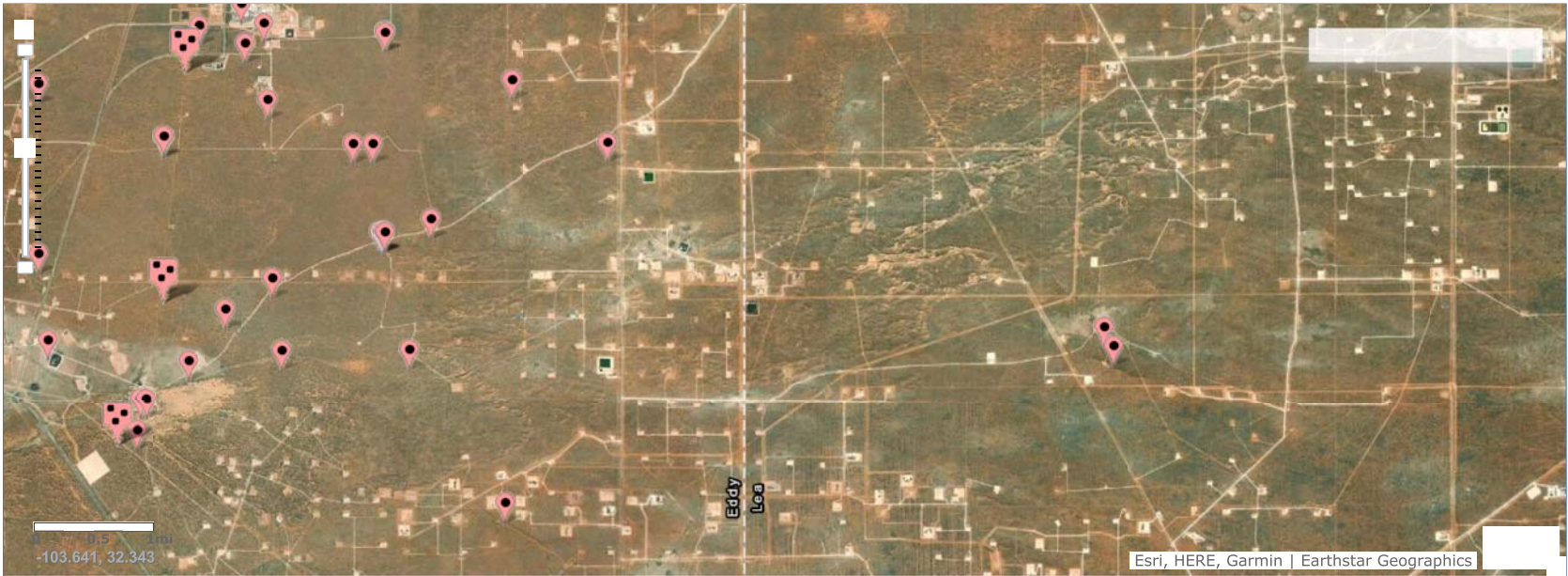




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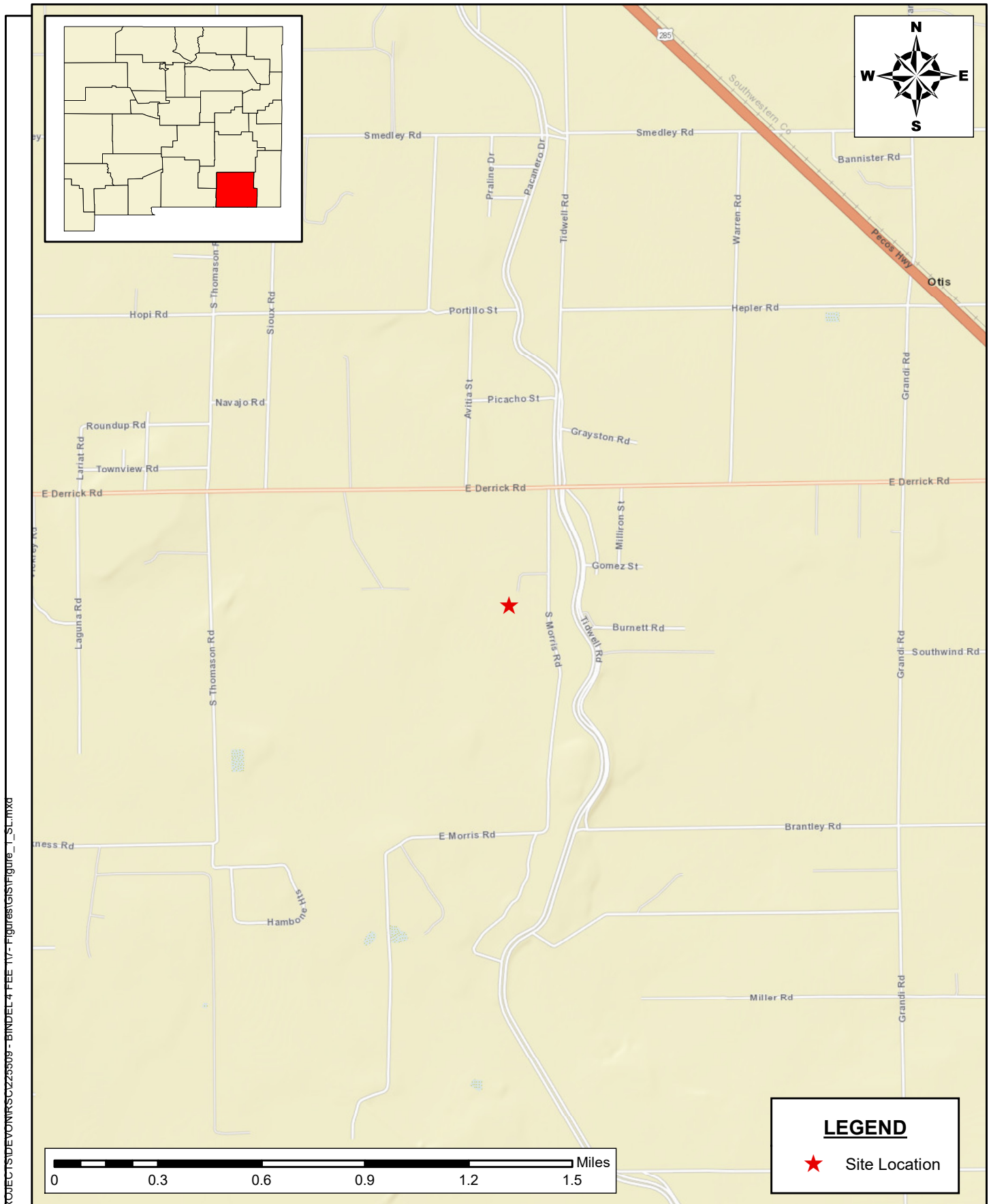
National Water Information System: Mapper

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Site Information

FIGURES



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:

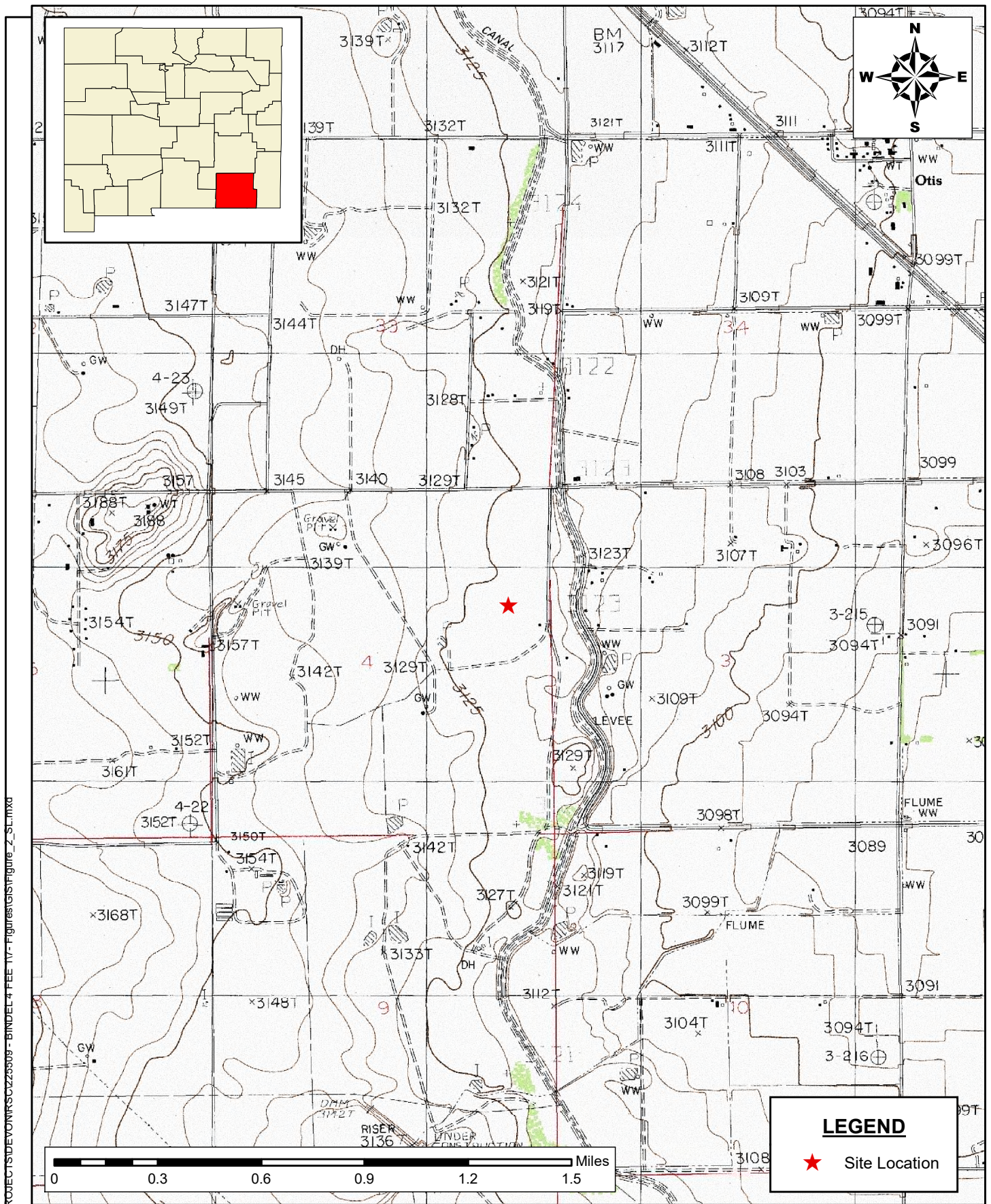
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1



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

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 911 Regional Park Drive
 Houston, Texas 77060
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NOTES:

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

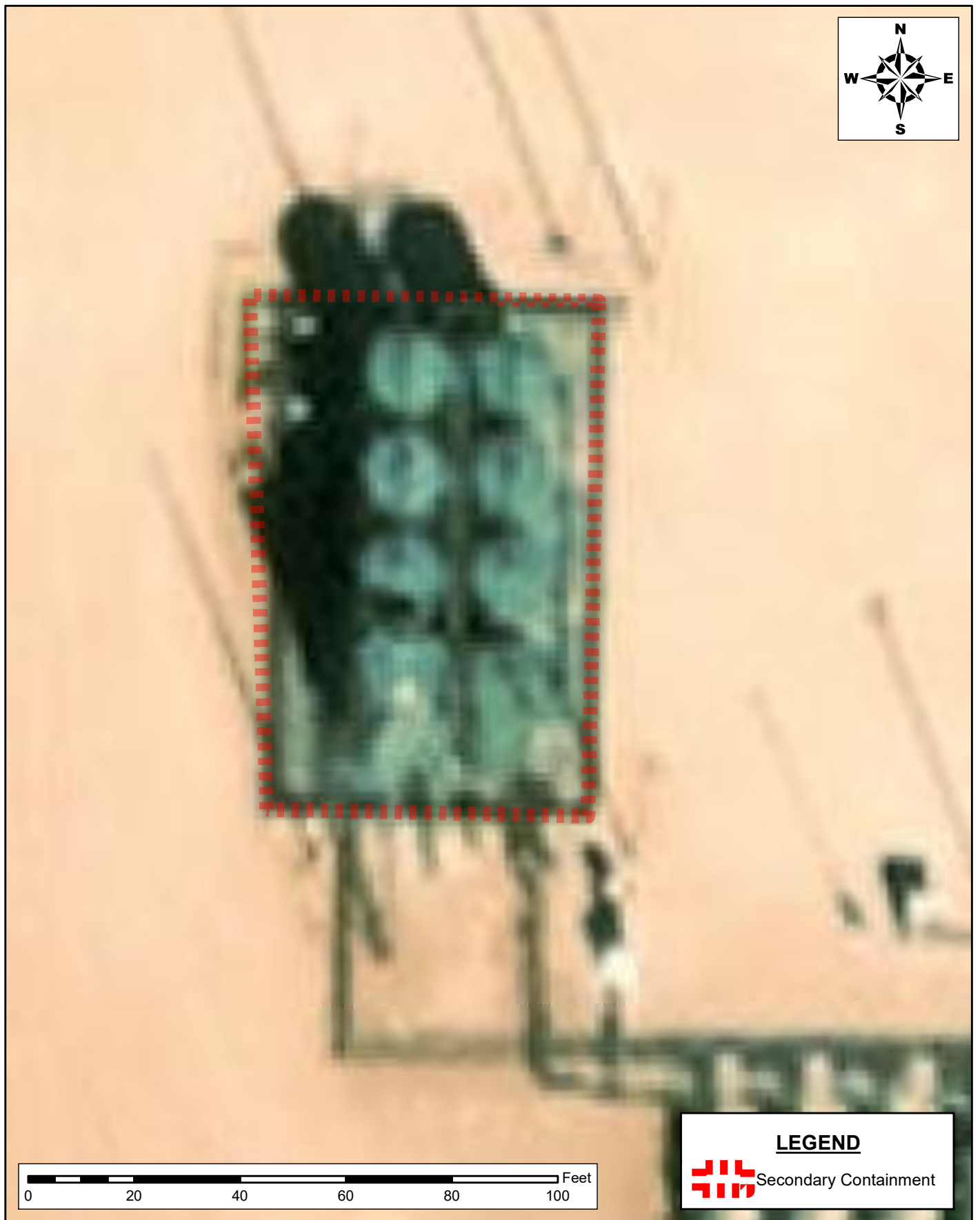
DRAWING NUMBER:

FIGURE 2

SHEET NUMBER:

1 of 1

Document Path: P:\2022 PROJECTS\DEVON\SC\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



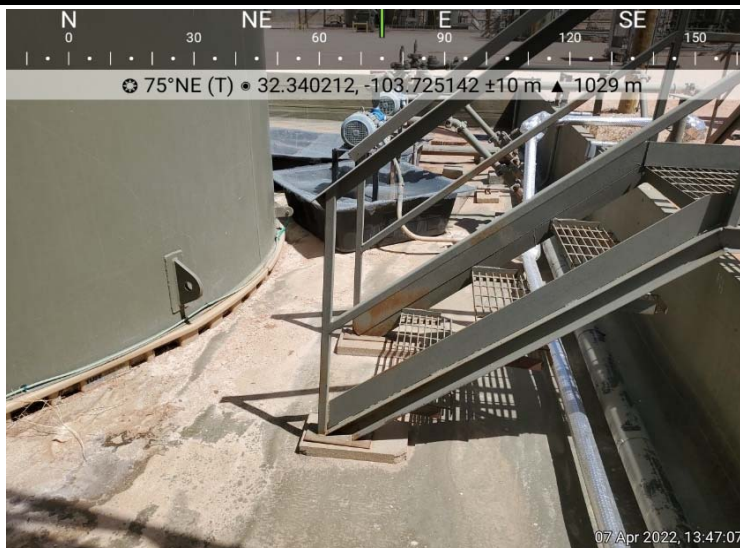
Photograph No. 2

Facility: TOMB RAIDER 1 CTB 3

County: Eddy County, New Mexico

Description:

View Northeast to East, Area of Lined Containment



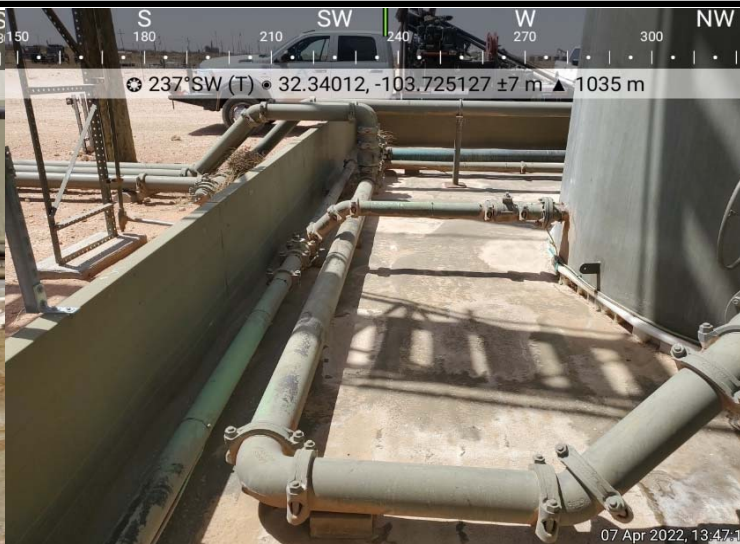
Photograph No. 3

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

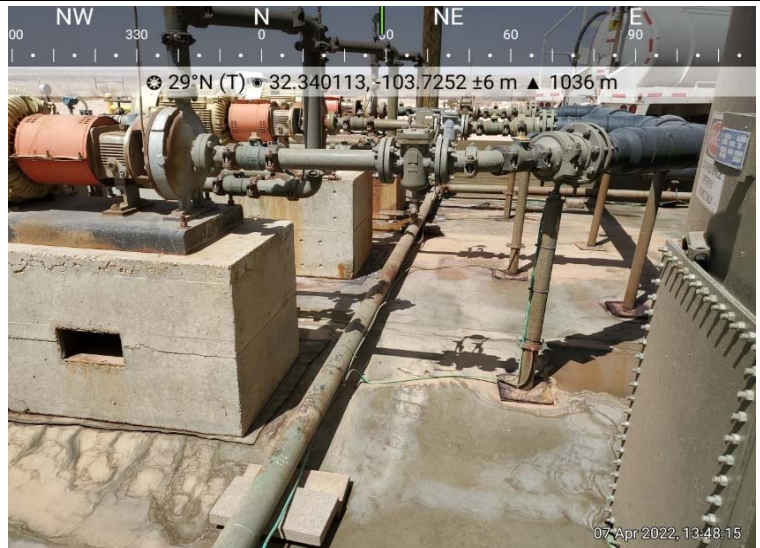
**Photograph No. 5**

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

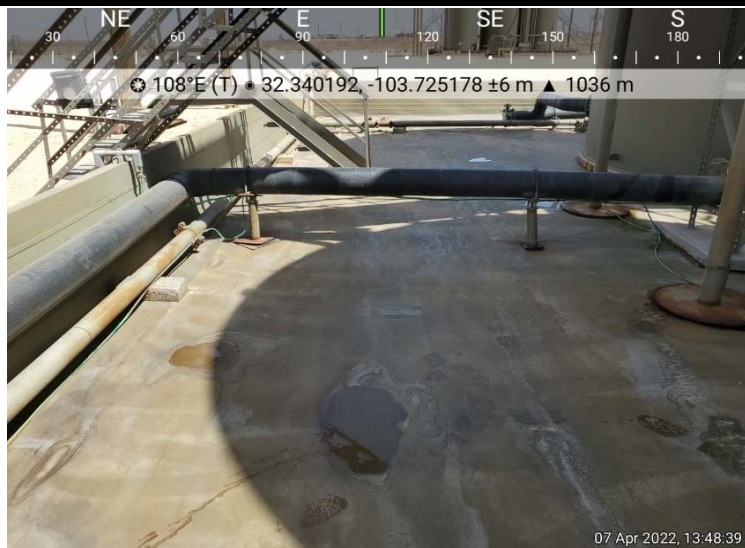
Photograph No. 7

Facility: TOMB RAIDER 1 CTB 3

County: Eddy County, New Mexico

Description:

View East to Southeast, Area of Lined Containment

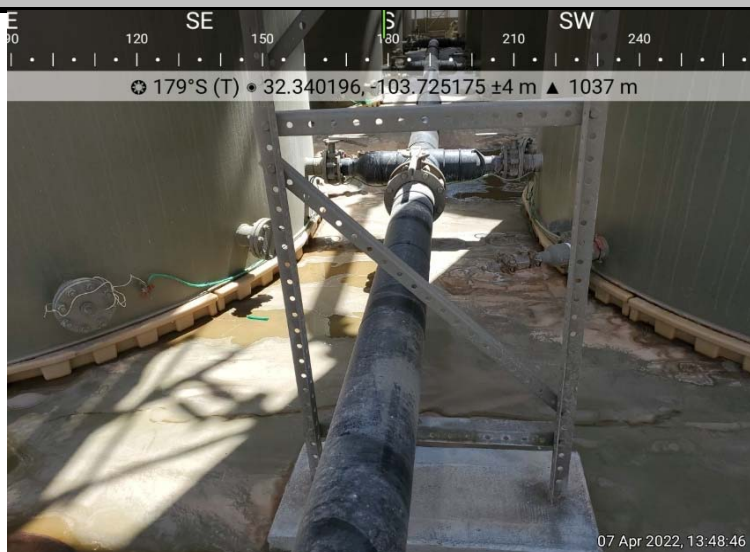
**Photograph No. 8**

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

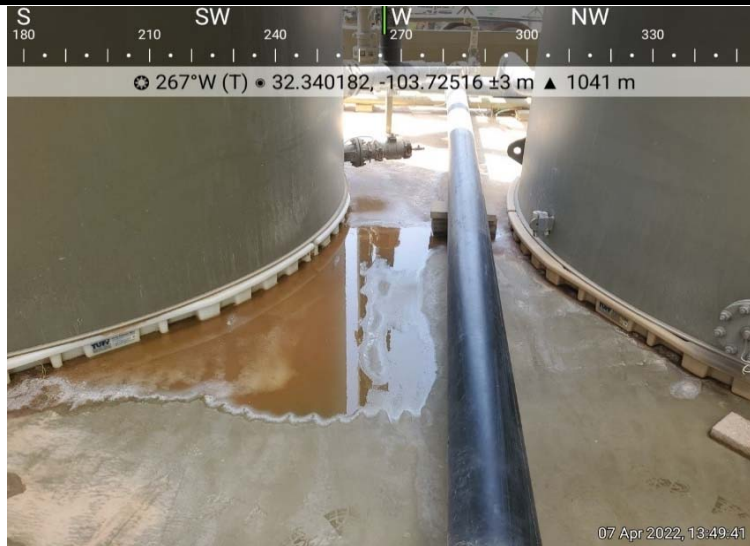
**Photograph No. 11**

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
<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 149623

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 149623
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

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