

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

February 18, 2022

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

**Re:** Closure Report

Belloq 11 CTB 1 (1-11-2022)

Devon Energy Production Company Site Location: Unit M, S11, T23S, R31E (Lat 32.314772°, Long -103.753538°)

Eddy County, New Mexico Incident ID: NAPP2201434268

#### 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 Belloq 11 CTB (Site). The site is located in Eddy County, 20.4 miles east 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 January 11, 2022. The release was the result of a pump developing a leak causing the release of approximately 16.75 barrels (bbls) of produced water into the lined secondary containment of which 15 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 is one known water source within a ½ mile radius of the location. The nearest identified well is located approximately 0.31 miles southwest of the site in S15, T23S, R31E. The well has a reported depth to groundwater of 639 feet below ground surface (ft bgs). However, this well is not believed to have been completed in the shallowest groundwater bearing unit. Copies of the site characterization information and the associated *Point of Diversion Summary* report for the nearest water well is attached.

#### **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: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.

Mr. Mike Bratcher March 8, 2022 Page 2 of 2

#### **Liner Inspection**

On January 26, 2022, NTGE conducted liner inspection activities to assess the liner's integrity within the facility. NTGE personnel proceeded to conduct a visual inspection of the liner. The liner was found to be intact with no integrity issues. A photgraphic log documenting the condition of the liner at the time of the inspection is attached.

## **Conclusions**

Based on the findings 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

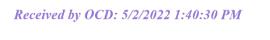
Attachments:

Initial and Final C-141

Site Characterization Information

Figures

Photographic Log



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**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	OGRID					
Contact Nam	ie			Contact To	Contact Telephone					
Contact emai	1			Incident #	Incident # (assigned by OCD)					
Contact mail	ing address									
			Location	of Release So	ource					
Latitude				Longitude						
			(NAD 83 in dec	cimal degrees to 5 decir	nal places)					
Site Name				Site Type						
Date Release	Discovered			API# (if app	olicable)					
Unit Letter	Section	Township	Range	Cour	nts.	1				
Omit Letter	Section	Township	Range	Cour	ity					
Surface Owner	r: State	☐ Federal ☐ Tr	ibal Private (A	Name:		)				
			Natura and	d Volume of 1	Ralaasa					
Crude Oil		(s) Released (Select al Volume Release		calculations or specific	Volume Reco	volumes provided below) vered (bbls)				
Produced		Volume Release	` '		Volume Recovered (bbls)					
Troduced			ion of total dissol	ved solids (TDS)	Yes No					
		in the produced	water >10,000 mg							
Condensa	te	Volume Release	d (bbls)		Volume Reco	vered (bbls)				
Natural G	as	Volume Release	d (Mcf)		Volume Reco	vered (Mcf)				
Other (des	scribe)	Volume/Weight	Released (provide	e units)	Volume/Weight Recovered (provide units)					
Cause of Rele	ease									

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Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the respon	nsible party consider this a major release?
☐ Yes ☐ No		
If YES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
	Initial R	esponse
The responsible	party must undertake the following actions immediatel	y unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
☐ The impacted area ha	s been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or o	ikes, absorbent pads, or other containment devices.
☐ All free liquids and re	ecoverable materials have been removed an	d managed appropriately.
	d above have <u>not</u> been undertaken, explain	
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred clease attach all information needed for closure evaluation.
regulations all operators are public health or the environr failed to adequately investig	required to report and/or file certain release noti ment. The acceptance of a C-141 report by the C ate and remediate contamination that pose a thre	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger oCD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name:		Title:
Signature: Kendra	De Hoyos	
email:		Telephone:
OCD Only		
Received by: Ramona M	Marcus	Date: 2/7/2022

## NAPP2201434268

Spills In Linea	d Containment					
Measurements Of Standing Fluid						
Length(Ft)	80					
Width(Ft)	40					
Depth(in.)	0.5					
Total Capacity without tank displacements (bbls) No. of 500 bbl Tanks In Standing Fluid No. of Other Tanks In	23.75					
OD Of Other Tanks In Standing Fluid(feet)						
Total Volume of standing fluid accounting for tank displacement.	16.75					

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# **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?	(ft bgs)					
Did this release impact groundwater or surface water?						
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No					
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?						
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No					
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No					
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No					
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No					
Are the lateral extents of the release within 300 feet of a wetland?						
Are the lateral extents of the release overlying a subsurface mine?						
Are the lateral extents of the release overlying an unstable area such as karst geology?						
Are the lateral extents of the release within a 100-year floodplain?						
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?						
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of so 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 well 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	ls.					

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.

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I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ocd does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In						
Printed Name:	Title:						
Signature: Wesley Mathews email:	Date:						
email:	Telephone:						
OCD Only							
Received by: Date:							

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Incident ID
District RP
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Application ID

# Closure

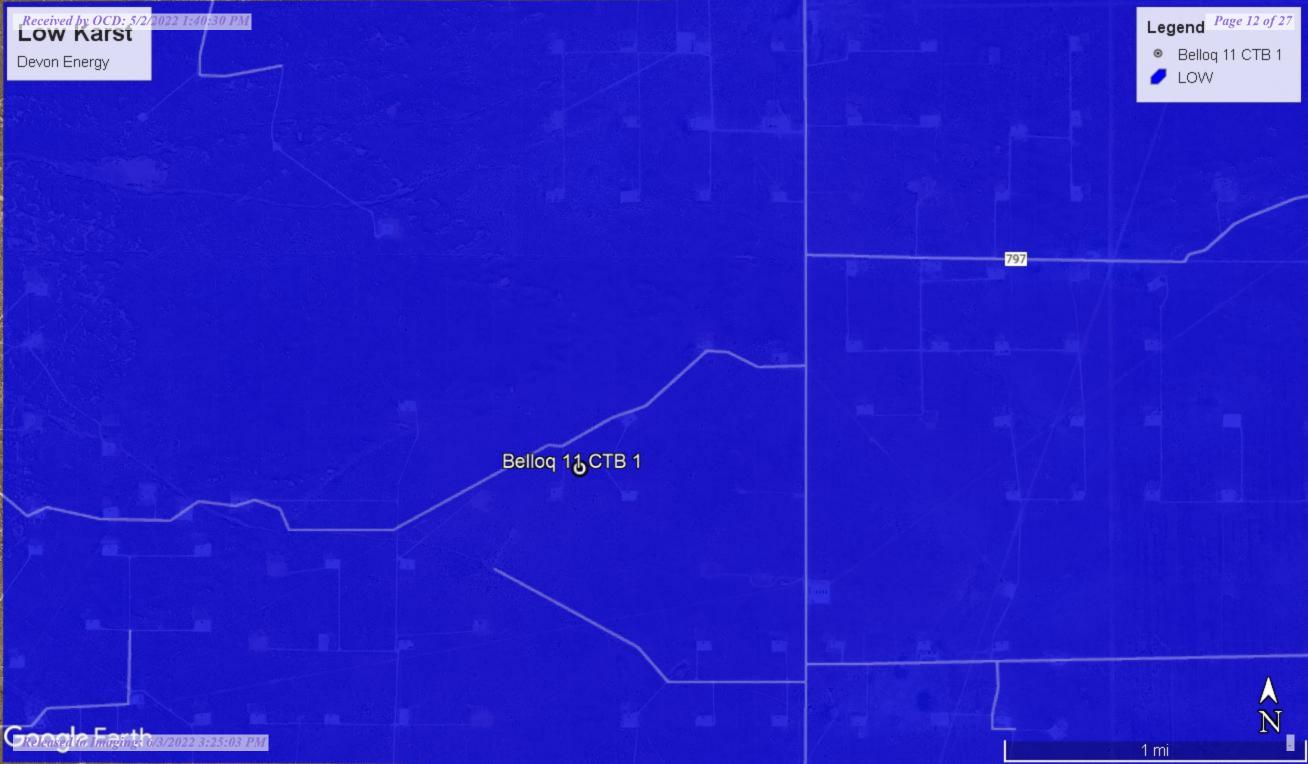
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled 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.

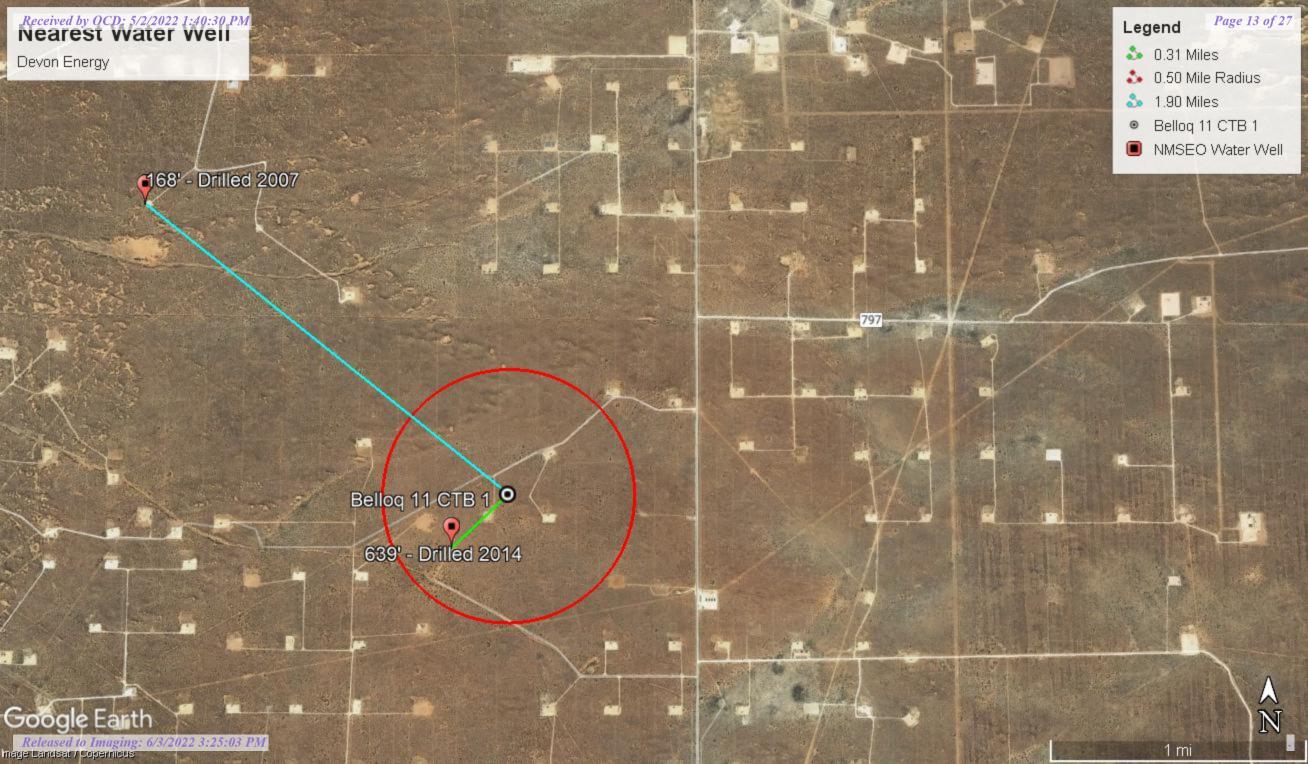
Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

	•				
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 OE	OC District office must be notified 2 days prior to final sampling)				
☐ Description of remediation activities					
and regulations all operators are required to report and/or file certar may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of	lations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in				
	Title:				
Signature: Wesley Mathews email:	Date:				
email:	Telephone:				
OCD Only					
Received by:	Date:				
	y of liability should their operations have failed to adequately investigate and e water, human health, or the environment nor does not relieve the responsible d/or regulations.				
Closure Approved by:	Date:				
Printed Name:	Title:				

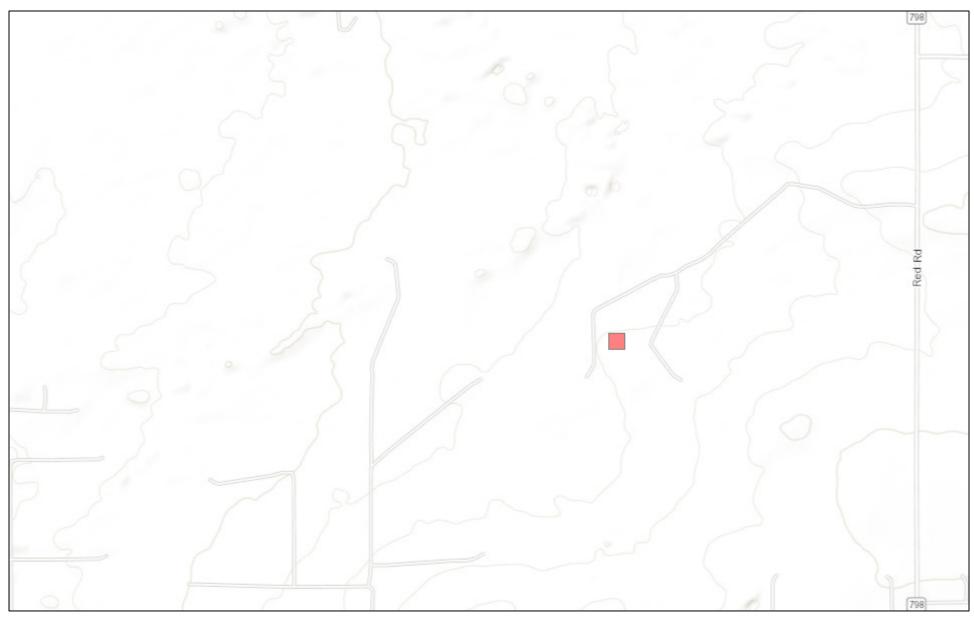
SITE CHARACTERIZATION INFORMATION



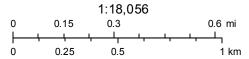




# New Mexico NFHL Data



January 24, 2022



FEMA Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,



# 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

C 03351

04 23S 31E 614917 3577861

**Driller License:** 421 **Driller Company:** 

GLENN'S WATER WELL SERVICE

**Driller Name:** 

GLENN, CLARK A."CORKY" (LD)

**Plug Date:** 

**Drill Start Date:** Log File Date:

11/20/2007

**Drill Finish Date:** 

11/20/2007

Shallow

12/04/2007

**PCW Rcv Date:** 

Source:

**Pump Type:** 

Pipe Discharge Size:

25 GPM

**Casing Size:** 

6.63

Depth Well:

320 feet

Depth Water:

**Estimated Yield:** 

168 feet

**Water Bearing Stratifications:** 

**Top Bottom Description** 

240

265 Sandstone/Gravel/Conglomerate

**Casing Perforations:** 

Top **Bottom** 

304 152

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.

1/24/22 12:33 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

5

Y

C 03749 POD1

2 2 15 23S 31E

616974 3575662

2 🌍

**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:

Shallow

Log File Date:

09/11/2014

PCW Rcv Date:

Source:

Shanow

Pump Type:

//11/2014

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, or suitability for any particular purpose of the data.

1/24/22 12:32 PM

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 Sub-		Q	Q	Q							Depth	Depth	Water
POD Number	Code basin	County	64	16	4 5	Sec	Tws	Rng	Х	Υ	Distance	Well	Water	Column
C 02777	CUB	ED	4	4	4	10	23S	31E	616974	3575662 🌕	501	890		
C 03749 POD1	CUB	ED		2	2	15	23S	31E	616974	3575662 🎒	501	865	639	226
C 02773	CUB	ED	4	1	3	03	23S	31E	615668	3577762* 🎒	2419	880		
<u>C 03140</u>	CUB	ED	4	2	4	04	23S	31E	615266	3577758* 🌕	2709	684		
C 03351	С	ED	4	1	4	04	23S	31E	614917	3577861 🌕	3046	320	168	152
C 02774	CUB	ED	3	1	3	04	23S	31E	613857	3577745* 🌕	3887	1660		
C 02769 POD2	CUB	ED	4	2	4	33	22S	31E	615261	3579312 🌕	3900	753	428	325
C 02687	CUB	ED	4	2	4	33	22S	31E	615246	3579364* 🌕	3952	779		

Average Depth to Water: 411 feet

> Minimum Depth: 168 feet

Maximum Depth: 639 feet

**Record Count: 8** 

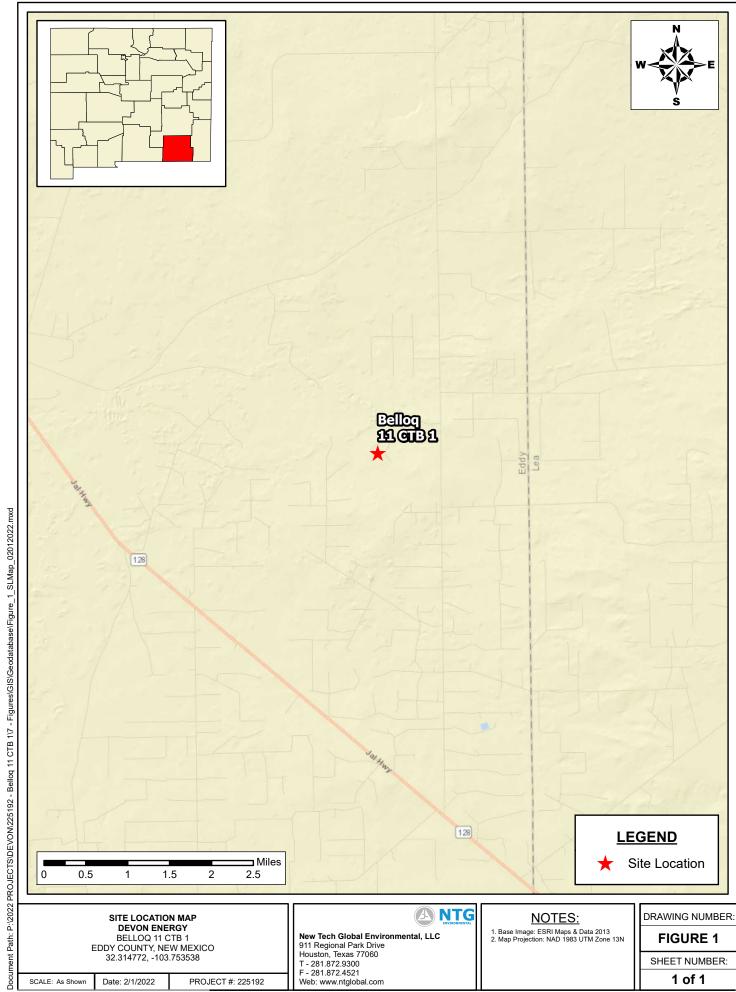
**UTMNAD83 Radius Search (in meters):** 

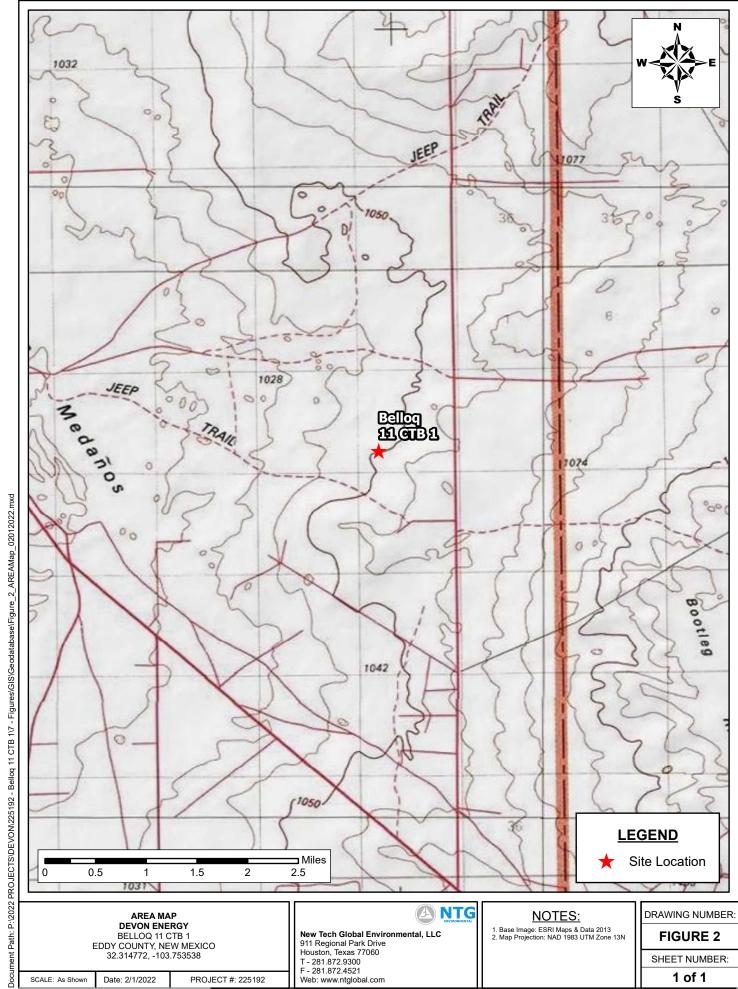
Northing (Y): 3576009.12 Easting (X): 617335.37 Radius: 4000

\*UTM location was derived from PLSS - see Help

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

**FIGURES** 





SHEET NUMBER:

1 of 1



F - 281.872.4521 Web: www.ntglobal.com

PROJECT #: 225192

# **Devon Energy Production Company**

# Photograph No. 1

Facility:

Belloq 11 CTB 1

County:

Eddy County, New Mexico

**Description:** 

View Northeast, Area of Lined Containment



## Photograph No. 2

Facility:

Belloq 11 CTB 1

County:

Eddy County, New Mexico

### **Description:**

View Southwest, Area of Lined Containment



## Photograph No. 3

Facility:

Belloq 11 CTB 1

County:

Eddy County, New Mexico

# Description:

View Southeast, Area of Lined Containment



**Devon Energy Production Company** 

## Photograph No. 4

Facility:

Belloq 11 CTB 1

County:

Eddy County, New Mexico

**Description:** 

View West, Area of Lined Containment



## Photograph No. 5

Facility:

Belloq 11 CTB 1

County:

Eddy County, New Mexico

### **Description:**

View East, Area of Lined Containment



## Photograph No. 6

Facility:

Belloq 11 CTB 1

County:

Eddy County, New Mexico

# Description:

View South, Area of Lined Containment



**Devon Energy Production Company** 

Photograph No. 7

Facility:

Belloq 11 CTB 1

County:

Eddy County, New Mexico

**Description:** 

View Northwest, Area of Lined Containment



Photograph No. 8

Facility:

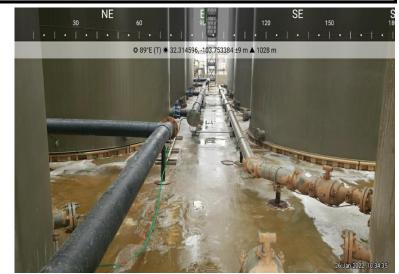
Belloq 11 CTB 1

County:

Eddy County, New Mexico

**Description:** 

View East, Area of Lined Containment



Photograph No. 9

Facility:

Belloq 11 CTB 1

County:

Eddy County, New Mexico

Description:

View Northeast, Area of Lined Containment



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# 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 19.15.29.1	11 NMAC		
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office		
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)		
☐ Description of remediation activities			
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	ntions. The responsible party acknowledges they must substantially anditions that existed prior to the release or their final land use in		
Printed Name:			
Signature: Wesley Mathews email:	Date:		
email:	Telephone:		
OCD Only			
Received by: Robert Hamlet	Date: 6/3/2022		
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: Robert Hamlet	Date: 6/3/2022		
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced		

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

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 103273

#### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
	Action Number:
Oklahoma City, OK 73102	103273
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created I	y Condition	Condition Date
rhamle	We have received your closure report and final C-141 for Incident #NAPP2201434268 BELLOQ 11 CTB 1, thank you. This closure is approved.	6/3/2022