

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 (01-23-2022) Devon Energy Production Company Site Location: Unit M, S11, T23S, R31E (Lat 32.314772°, Long -103.753538°) Eddy County, New Mexico Incident ID: NAPP2203252026

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 23, 2022. The release was the result of a pump developing a leak causing the release of approximately 10.56 barrels (bbls) of produced water into the lined secondary containment of which 10 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 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



**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**

Longitude

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)

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

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### Oil Conservation Division

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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 responsible party consider this a major release?	
Yes No		
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

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name:	Title:
Signature: Kendra DeHoyos	Date:
email:	Telephone:
OCD Only	
Received by:Ramona Marcus	Date: 2/14/2022

### NAPP2203252026

Spills In Line	d Containment	
Measurements Of Standing Fluid		
Length(Ft)	30	
Width(Ft)	60	
Depth(in.)	0.5	
Total Capacity without tank displacements (bbls)	13.36	
No. of 500 bbl Tanks In Standing Fluid No. of Other Tanks In Standing Fluid OD Of Other Tanks In	2	
Standing Fluid(feet) Total Volume of standing fluid accounting for tank displacement.	10.56	

Received by OCD: 5/2/2022 1:47:36 PM Form C-141 State of New Mexico

Oil Conservation Division

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

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

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

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
Field data
Data table of soil contaminant concentration data
Depth to water determination
Determination of water sources and significant watercourses within 1/2-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.

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Received by OCD: 5/2/202	2 1:47:36 PM State of New Mexico			Page 8 of 22
Form C-141			Incident ID	
Page 4	Oil Conservation Division	1	District RP	
			Facility ID	
			Application ID	
regulations all operators are public health or the environm failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: Signature: <u>Wesley</u>	rmation given above is true and complete to the required to report and/or file certain release nement. The acceptance of a C-141 report by the gate and remediate contamination that pose a the f a C-141 report does not relieve the operator	otifications and perform c e OCD does not relieve th nreat to groundwater, surf of responsibility for comp Title: Date:	orrective actions for rele e operator of liability sho ace water, human health liance with any other fed	ases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only				
Received by:		Date:		

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Oil Conservation Division

Incident ID	
District RP	
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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.

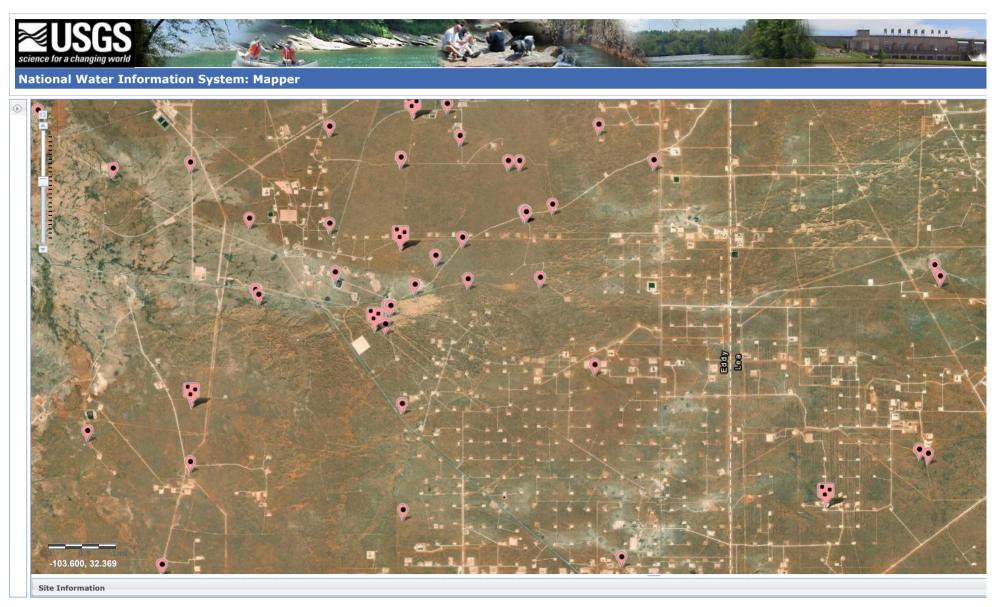
<b><u>Closure Report Attachment Checklist</u>:</b> Each of the following in	tems must be included in the closure report.					
A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC					
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: 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						
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in					
Printed Name:						
Signature: <u>Wesley Mathews</u> email:	Date:					
email:	Telephone:					
OCD Only						
Received by:	Date:					
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.					
Closure Approved by:	Date:					
Printed Name:						

## SITE CHARACTERIZATION INFORMATION



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NTGE Project No.: 225380



Received by OCD: 5/2/2022 1:47:36 PM Low Karst Devon Energy

1 mi

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Belloq 16 CTB 1

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(168' - Drilled 2007



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1 mi

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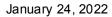
Belloq 11 CTB 1 • 639' - Drilled 2014 797

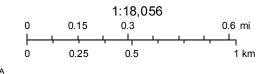
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# New Mexico NFHL Data







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



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

			(quar	ters are	1=N	W 2=1	NE 3=S	W 4=SE)				
	(qua	arters ar	e sm	allest t	o larges	t)	(NAD83 U					
Well Tag	POD Nur	nber	Q64	Q16	Q4	Sec	Tws	Rng	Х	Y		
	C 03351		4	1	4	04	23S	31E	614917	3577861 🌍		
Driller License: 421				r Con	npa	ny:	GL	ENN'S '	WATER W	ELL SERVICE		
Driller Name: GLENN, CLARK A				KY" (	LD)							
<b>Drill Start Date:</b> 11/20/2007				Drill Finish Date: 11/20/2007						7 Plug Date:		
Log File Da	te: 12/	04/2007	PCW	Rev I	Date	:			S	Source:		
Ритр Туре	:		Pipe l	Discha	arge	Size	:		Ε	stimated Yield:	25 GPM	
Casing Size	: 6.6	3	<b>Depth Well:</b> 320 feet					20 feet	D	epth Water:	168 feet	
	Water Be	aring Stratifica	tions:		To	рB	otton	Descr	iption			
					24	0	265	5 Sands	tone/Grave	el/Conglomerate		
		Casing Perfora	ations: Top			p B	Bottom					
					15	52	304	ŀ				

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.

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POINT OF DIVERSION SUMMARY



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

			(quarter	s are 1=	NW 2=	=NE 3=S	W 4=SE)				
(qua					nallest	to larges	st)	(NAD83 U7			
Well Tag	POD	Number	Q64 Q	Q16 Q4	4 See	: Tws	Rng	Х	Y		
	C 03	3749 POD1		2 2	15	23S	31E	616974	3575662 🧧		
Driller Lic Driller Nai		331	Driller	Comp	any:	SB CC		C DBA STEV	WART BROTH	IERS DRILLING	
Drill Start	Date:	07/10/2014	Drill Fi	Drill Finish Date: 08/06/2014					g Date:		
Log File D	ate:	09/11/2014	PCW R	cv Da	te:			Sou	irce:	Shallow	
Pump Type	e:		Pipe Di	scharg	ge Siz	e:		Est	imated Yield:	5 GPM	
Casing Size:4.50Depth			Depth V	pth Well: 865 feet					pth Water:	639 feet	
	Wate	er Bearing Stratif	fications:	1	Гор	Botton	n Desc	ription			
				8	320	840	5 Lime	estone/Dolom	ite/Chalk		
	forations:	rations: Top			1						
		8	320	840	5						

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 12:32 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)	(q						2=NE 3 it to larç	=SW 4=SE gest) (N/	) AD83 UTM in me	eters)	(1	n feet)	
	POD Sub-		Q	0	0							Denth	Denth	Water
POD Number	Code basin Co	ounty		-		Sec	Tws	Rng	х	Y	Distance	-	-	Column
C 02777		ED					23S	-	616974	3575662 🌍	501	890		
C 03749 POD1	CUB	ED		2	2	15	23S	31E	616974	3575662 🌍	501	865	639	226
<u>C 02773</u>	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		
<u>C 03351</u>	С	ED	4	1	4	04	23S	31E	614917	3577861 🌍	3046	320	168	152
<u>C 02774</u>	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
<u>C 02687</u>	CUB	ED	4	2	4	33	22S	31E	615246	3579364* 🌍	3952	779		
										Avera	ge Depth to	Water:	411	feet
											Minimum	Depth:	168	feet
											Maximum	Depth:	639	feet
Record Count: 8														

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

Easting (X): 617335.37

Northing (Y): 3576009.12

Radius: 4000

\*UTM location was derived from PLSS - see Help

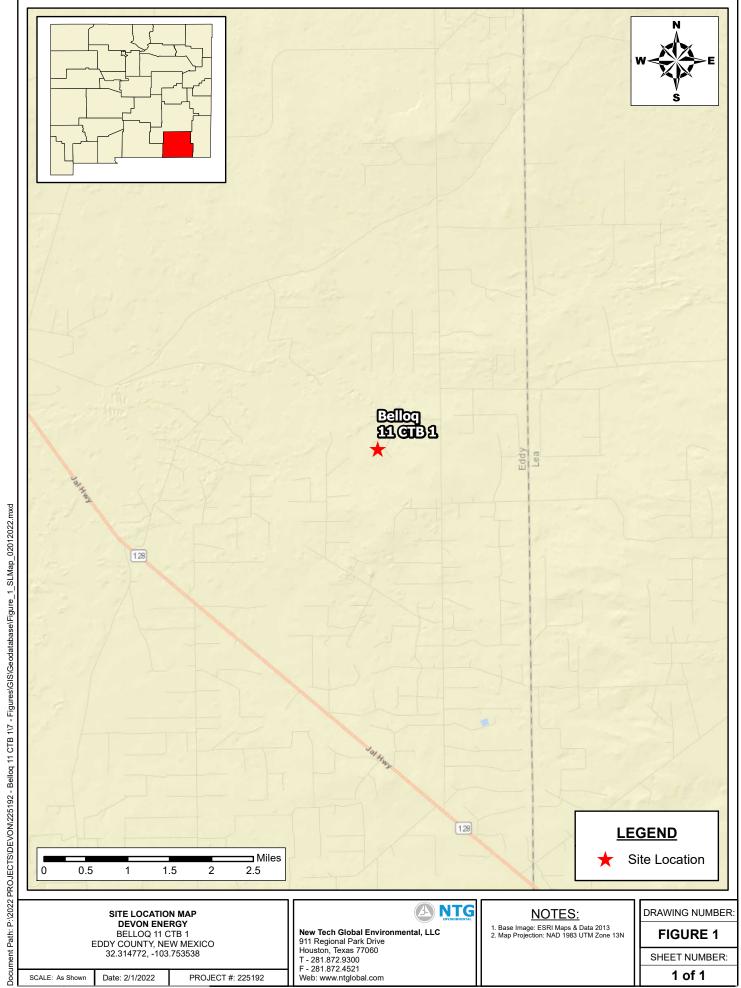
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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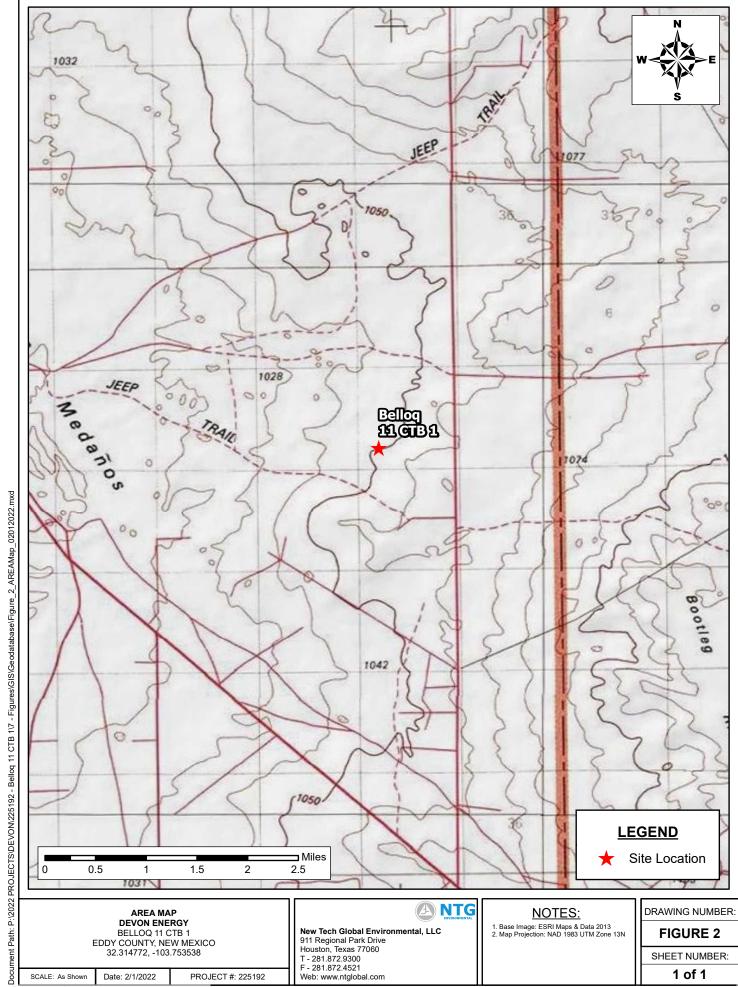
### FIGURES

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NTGE Project No.: 225380



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NTGE Project No.: 225380

### **Devon Energy Production Company**

### Photograph No. 1

Facility: Belloq 11 CTB 1

County: Eddy County, New Mexico

#### **Description:** View Northeast, Area of Lined Containment



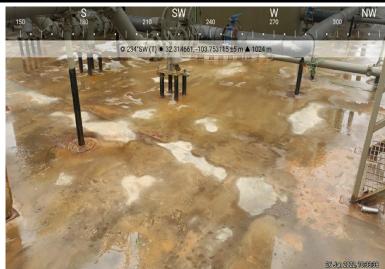
### Photograph No. 2

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

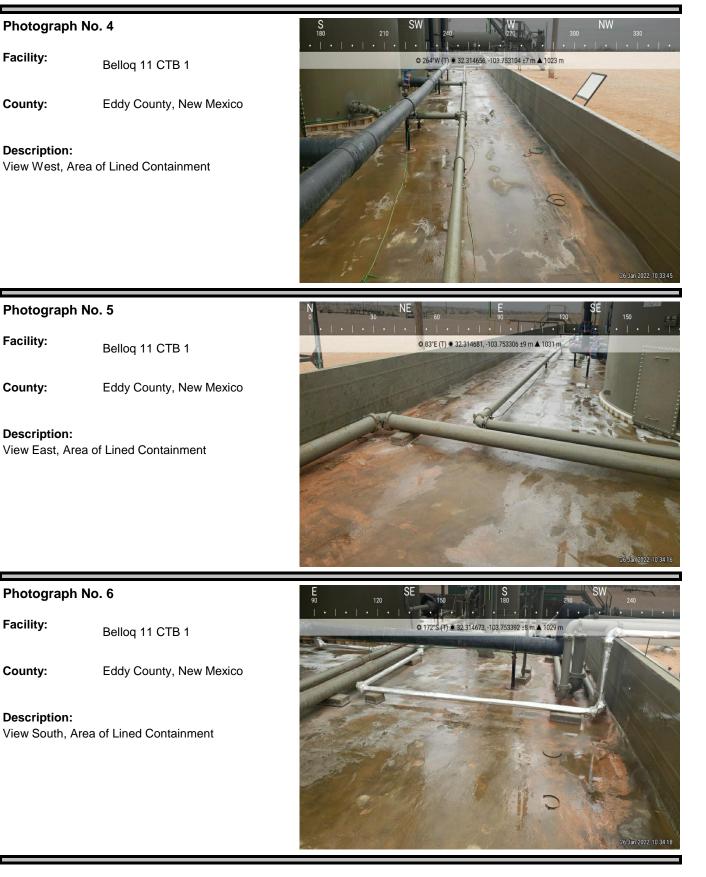
County: Eddy County, New Mexico

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





### **Devon Energy Production Company**





### **Devon Energy Production Company**

#### Photograph No. 7

Facility: Belloq 11 CTB 1

County: Eddy County, New Mexico

#### **Description:** View Northwest, Area of Lined Containment



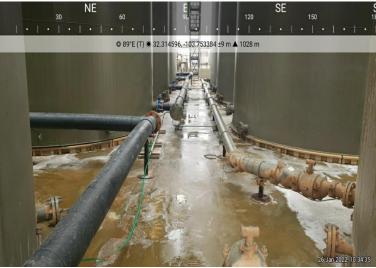
### Photograph No. 8

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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Oil Conservation Division

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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.

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Laboratory analyses of final sampling (Note: appropriate ODC 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 certai may endanger public health or the environment. The acceptance of	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in						
Printed Name:							
Signature: Wesley Mathews	Date:						
Signature: <u>Wesley Mathews</u> email:	Telephone:						
OCD Only							
Received by: Robert Hamlet	Date: <u>6/8/2022</u>						
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.						
Closure Approved by: Robert Hamlet	Date:						
Printed Name: Robert Hamlet							

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

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	103281
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By Condition

We have received your closure report and final C-141 for Incident #NAPP2203252026 BELLOQ 11 CTB 1, thank you. This closure is approved. 6/8/2022 rhamlet

CONDITIONS

Action 103281

Condition Date