Received by OCD: 9/12/2025 8:28:51 AM Spill Calculation - On-Pad Surface Pool Spill Page 1 of 37										
Convert Irregular shape into a series of rectangles	İ			Estimated <u>Pool</u> Area (sq. ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture (%.)	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	72	60	0.5	4320.00	32.04	0.00	32.11		3.21	28.90
Rectangle B				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle C				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle D				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle E				0.00	0.00	0.00	0.00	10%	0.00	0.00
Rectangle F		2		0.00	0.00	0.00	0.00	1070	0.00	0.00
Rectangle G	1	10		0.00	0.00	0.00	0.00		0.00	0.00
Rectangle H				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle I		- 33		0.00	0.00	0.00	0.00		0.00	0.00
Rectangle J				0.00	0.00	0.00	0.00		0.00	0.00
Released to Imaging. 9/22/2025 2:06:09 PM Total Volume Release, Soil not impacted: 30.5014 3.0501 27.4513						27.4513				

August 18, 2025

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Closure Request
Cave Lion 5 Federal 15 TB
Incident Number nAPP2518342431
Lea County, New Mexico

To Whom It May Concern:

Marathon Oil Permian, LLC, (MRO), has prepared this *Closure Request* to document the findings of a liner integrity inspection conducted at the Cave Lion 5 Federal 15 TB (Site) following the release of an oil/water mixture within a lined containment. Based on the liner integrity inspection activities, MRO is submitting this Closure Request, describing assessment activities that have occurred and requesting no further action and closure for Incident Number nAPP2518342431.

SITE DESCRIPTION AND RELEASE SUMMARY

The site is located in Unit M, Section 05, Township 26 South, Range 35 East, in Lea County, New Mexico (32.06539444, -103.39738056) and is associated with oil and gas exploration and production operations on state land managed by the Bureau of Land Management (BLM).

On June 22, 2025, field personnel discovered that the free water knockout (FWKO) had developed a pin hole causing a release of thirty point five zero one four (30.5014) barrels of an oil/produced water mixture to be released into a lined containment. A vacuum truck was dispatched to the site to recover free-standing fluids and approximately thirty (30) barrels of fluid were recovered. The FWKO was isolated to prevent fluid being further released. MRO reported the release to the New Mexico Oil Conservation Division (NMOCD) and Bureau of Land Management (BLM) on a *Release Notification Form C-141* (Form C-141) on July 2, 2025. The release was assigned Incident Number nAPP2518342431.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers databases, there is one known water source within a 0.50-mile radius of the location. The closest well is located approximately 0.28 miles Northeast of the Site in Unit Letter N, S05, T26S, R35E and was drilled in 2022. The well has a reported depth to groundwater of 101' feet below ground surface. Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

• Benzene: 10 milligrams per kilogram (mg/kg).

• Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.

TPH: 2,500 mg/kg (GRO + DRO + MRO).

Chloride: 20,000 mg/kg.

LINER INTEGRITY INSPECTION ACTIVITIES

A 48-hour advance notice of the liner inspection was submitted to the NMOCD on 7/21/2025. Prior to conducting the liner integrity inspection, MRO operations power washed the liner to remove dirt and debris and recover any residual produced water. A liner integrity inspection was conducted by Jacob Laird on 7/23/2025. Upon inspection, no rips, tears, holes, or damage was observed. The liner was determined to be sufficient, and all released fluids have been removed. Refer to photolog for details.

CLOSURE REQUEST

Based on the liner inspection throughout the facility, the liner was determined to be sufficient. The release was contained laterally by the lined containment and the liner was performing as designed. No further actions are required at the site. MRO, LLC respectfully requests that the New Mexico Oil Conservation Division and the Bureau of Land Management grant closure approval for Incident Number nAPP2518342431.

Should you have any questions or concerns please do not hesitate to contact me.

Sincerely,

Jacob Laird

Jacob Laird

Environmental Engineer

jacob.laird@conocophillips.com

Appendices:

Figures- Site Map Overview, Topography Map, Secondary Containment Map

Appendix A: NMOCD Correspondence

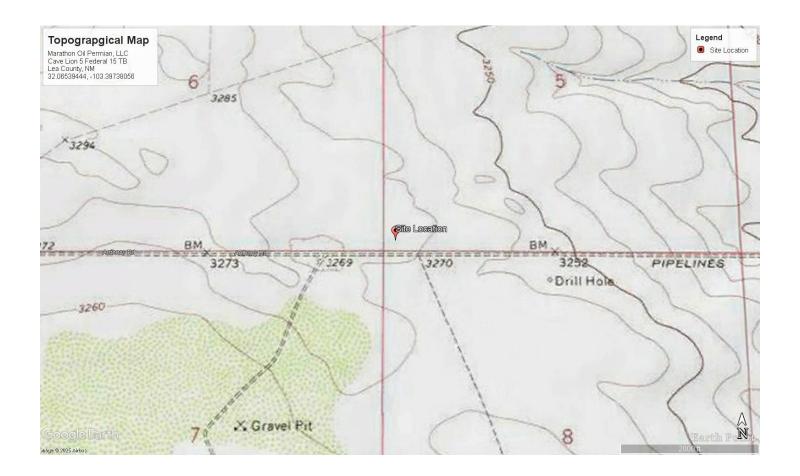
Appendix B: Photolog

Appendix C: Site Characterization and Ground Water

Figures: Site Maps



Overview Map



Topographical Map



Secondary Containment Map

Appendix A: NMOCD Correspondence

Received by OCD: 9/12/2025-8t28517AMf Spill Calculation - On-Pad Surface Pool Spill Page 40 of 37										
Convert Irregular shape into a series of rectangles	i	i		TO SERVICE SER	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture (%.)	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of
Rectangle A	72	60	0.5	4320.00	32.04	0.00	32.11		3.21	28.90
Rectangle B				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle C	į.			0.00	0.00	0.00	0.00		0.00	0.00
Rectangle D				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle E				0.00	0.00	0.00	0.00	10%	0.00	0.00
Rectangle F	1	- 2		0.00	0.00	0.00	0.00	1076	0.00	0.00
Rectangle G		10		0.00	0.00	0.00	0.00		0.00	0.00
Rectangle H		8		0.00	0.00	0.00	0.00		0.00	0.00
Rectangle I				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle J				0.00	0.00	0.00	0.00		0.00	0.00
Released to Imaging: 9/22/2025 2:06:09 PM Total Volume Release, Soil not impacted: 30.5014						27.4513				

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 485036

QUESTIONS

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
600 W Illinois Ave	Action Number:
Midland, TX 79701	485036
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2518342431
Incident Name	NAPP2518342431 CAVE LION 5 TB FEDERAL 001H @ 0
Incident Type	Release Other
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2125250182] CAVE LION 5 FED 15 TB

Location of Release Source				
Please answer all the questions in this group.				
Site Name	Cave Lion 5 TB Federal 001H			
Date Release Discovered	06/22/2025			
Surface Owner	Federal			

ncident Details				
Please answer all the questions in this group.				
Incident Type	Release Other			
Did this release result in a fire or is the result of a fire	No			
Did this release result in any injuries	No			
Has this release reached or does it have a reasonable probability of reaching a watercourse	No			
Has this release endangered or does it have a reasonable probability of endangering public health	No			
Has this release substantially damaged or will it substantially damage property or the environment	No			
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No			

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	r the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Normal Operations Separator Crude Oil Released: 3 BBL Recovered: 3 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Normal Operations Separator Produced Water Released: 27 BBL Recovered: 27 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 2

Action 485036

QUESTIONS (continued)

Q02011	one (continued)
Operator: MARATHON OIL PERMIAN LLC	OGRID: 372098
600 W Illinois Ave	Action Number:
Midland, TX 79701	485036
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
F	
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury. T
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releating the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 3

Action 485036

QUESTIONS (continued)

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
600 W Illinois Ave	Action Number:
Midland, TX 79701	485036
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS Site Characterization Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the What is the shallowest depth to groundwater beneath the area affected by the Not answered. release in feet below ground surface (ft bgs) What method was used to determine the depth to ground water Not answered. Did this release impact groundwater or surface water Not answered What is the minimum distance, between the closest lateral extents of the release and the following surface areas: A continuously flowing watercourse or any other significant watercourse Not answered Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) Not answered. An occupied permanent residence, school, hospital, institution, or church Not answered. A spring or a private domestic fresh water well used by less than five households Not answered. for domestic or stock watering purposes Any other fresh water well or spring Not answered. Incorporated municipal boundaries or a defined municipal fresh water well field Not answered. Not answered. A subsurface mine Not answered. An (non-karst) unstable area Not answered. Categorize the risk of this well / site being in a karst geology A 100-year floodplain Not answered. Did the release impact areas not on an exploration, development, production, or Not answered. storage site

Remediation Plan					
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.					
Requesting a remediation plan approval with this submission	No				
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.					

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 485036

CONDITIONS

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
600 W Illinois Ave	Action Number:
Midland, TX 79701	485036
	Action Type:
	[C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	None	7/16/2025

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 495348

QUESTIONS

ı	Operator:	OGRID:
ı	MARATHON OIL PERMIAN LLC	372098
ı	600 W Illinois Ave	Action Number:
ı	Midland, TX 79701	495348
ı		Action Type:
ı		[NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites					
Incident ID (n#)	nAPP2518342431				
Incident Name	NAPP2518342431 CAVE LION 5 TB FEDERAL 001H @ 0				
Incident Type	Release Other				
Incident Status	Initial C-141 Approved				
Incident Facility	[fAPP2125250182] CAVE LION 5 FED 15 TB				

Location of Release Source					
Site Name	CAVE LION 5 TB FEDERAL 001H				
Date Release Discovered	06/22/2025				
Surface Owner	Federal				

Liner Inspection Event Information							
Please answer all the questions in this group.							
What is the liner inspection surface area in square feet	4,408						
Have all the impacted materials been removed from the liner	Yes						
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	08/18/2025						
Time liner inspection will commence	10:00 AM						
Please provide any information necessary for observers to liner inspection	jacob.laird@conocophillips.com						
Please provide any information necessary for navigation to liner inspection site	32.06539444, -103.39738056						

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 495348

CONDITIONS

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
600 W Illinois Ave	Action Number:
Midland, TX 79701	495348
	Action Type:
	[NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Create By	d Condition	Condition Date
jlaird	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	8/12/2025

Appendix B: Photolog

Photographic Log

Facility: Cave Lion 5 Federal 15 TB

County: Lea County, New Mexico

Description: Facility Sign



Facility: Cave Lion 5 Federal 15 TB

County: Lea County, New Mexico

Description: Original release photo



Facility: Cave Lion 5 Federal 15 TB

County: Lea County, New Mexico

Description: Original release photo



County: Lea County, New Mexico

Description: View facing West/Southwest. Lined area near release point. (Fluid in containment is rainwater from the previous night)



Facility: Cave Lion 5 Federal 15 TB

County: Lea County, New Mexico

Description: View facing East. Lined area near release point. (Fluid in containment is rainwater from the previous night)



Facility: Cave Lion 5 Federal 15 TB

County: Lea County, New Mexico

Description: View facing South Lined area to the West of production equipment. (Fluid in containment is rainwater from the previous night)



County: Lea County, New Mexico

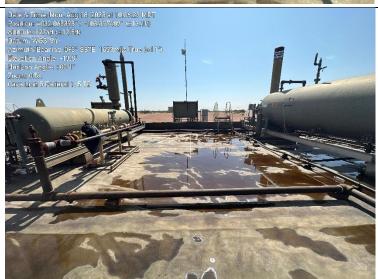
Description: View facing East. Lined area between production equipment. (Fluid in containment is rainwater from the previous night)



Facility: Cave Lion 5 Federal 15 TB

County: Lea County, New Mexico

Description: View facing East. Lined area between production equipment. (Fluid in containment is rainwater from the previous night)



Facility: Cave Lion 5 Federal 15 TB

County: Lea County, New Mexico

Description: View facing East. Lined area West of production equipment. (Fluid in containment is rainwater from the previous night)



County: Lea County, New Mexico

Description: View facing East. Lined area West of production equipment. (Fluid in containment is rainwater from the previous night)



Facility: Cave Lion 5 Federal 15 TB

County: Lea County, New Mexico

Description: View facing South. Lined area near production equipment. (Fluid in containment is rainwater from the previous night)



Facility: Cave Lion 5 Federal 15 TB

County: Lea County, New Mexico

Description: View facing West. Lined area near production equipment. (Fluid in containment is rainwater from the previous night)



County: Lea County, New Mexico

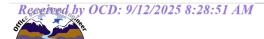
Description: View facing East. Lined area near production equipment. (Fluid in containment is rainwater from the previous night)



Appendix C: Site Characterization and Ground Water



Neatest Water Well Map



New Mexico Office of the State Engineer

Wells With Well Log Information

CI.W##### in the POD suffix indicates the

(R=POD has POD has been been replaced & replaced, no longer O=orphaned, serves a water C=the file is right file.) closed)

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

(NAD83 UTM in meters) (meters)

(in feet)

POD Number Code	Sub basin County Source	ce Q64 Q16 Q4 Sec Tws Range	X Y	Star Distance Dat		- 3	Borehole Depth	Depth Water First Encountered Driller	License Number
C 04601 POD1	CUB LE	SW SE SW 05 26S 35E	651709.8 3548919.7 •	447 202	22-03-31 2022-03-31	2022-04-08		JACKIE ATKINS	1249

Record Count: 1

Basin/County Search:

County: LE

UTM Filters (in meters):

Easting: 651277.07 **Northing:** 3548807.53

Radius: 804

* 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.

05E 011 APR 8 2022 MG:16

Z	OSE POD NO	2	.)		WELL TAG ID NO.			OSE FILE NO(S).			
TIO	WELL OWNER NAME(S)				PHONE (OPTIONAL)							
OCA	Marathon Oil					THORD (OF THORD)						
TT	WELL OWNER MAILING ADDRESS					CITY		ST	ГАТЕ	ZIP		
GENERAL AND WELL LOCATION	4111 S Tidwell Rd.					Carlsbad		N	M 88220			
AND	WELL		D	EGREES	MINUTES	SECOND	os					
AL.	LOCATIO	LA	TITUDE	32 3 58 _N						OF A SECOND		
NER	(FROM GF	PS) LOI	NGITUDE	103	23	33	W	* DATUM REC	QUIRED: WGS	84		
GE	1		NG WELL LOCATION TO	O STREET ADDR	ESS AND COMMON	N LANDMAI	RKS – PLS	S (SECTION, TO	WNSHJIP, RA	NGE) WHERE	E AVAILABLE	
1	SE SE Sw	Sec. 05 T	26S R35E									
	LICENSE NO		NAME OF LICENSEI						The control of the control		ING COMPANY	
	124	19		J	ackie D. Atkins				At	kins Engine	ering Associates, l	nc.
-	DRILLING S		3/31/2022		MPLETED WELL (F nporary well	T) 1		LE DEPTH (FT) 100.8	DEPTH WA	ATER FIRST E	ENCOUNTERED (FT) n/a	'
-	3/31/2		3/31/2022	ter	inporary wen							
COMPLETED WELL IS: ARTESIAN V DRY HOLE SHALLOW (UNCONFINED) IN COMPLETED WELL n/a							DATE STATIC MEASURED 4/6/2022					
ATIC	DRILLING F	LUID:	☐ AIR	☐ MUD	ADDITIV	ES – SPECI	F Y :					
)RM	DRILLING M	DRILLING METHOD: ROTARY HAMMER CABLE TOOL OTHER - SPECIFY: Hollow Stem Auger CHECK HERE IF PITLESS ADAPTER IS INSTALLED						PTER IS				
INF	DEPTH (feet bgl) BORE HOLE		CASING	CASING MATERIAL AND/OR CA		ASING CASING		NG (CASING WALL	SLOT		
2. DRILLING & CASING INFORMATION	FROM	ТО	DIAM (inches)		GRADE each casing string, sections of screen)	h casing string, and CONNECTION		NECTION TYPE			THICKNESS (inches)	SIZE (inches)
& CA	0	100.8	±6.5	1	Boring		(auu coup)					-
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DR		"										
7				-								
						_						
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15.												
	DEPTH	(feet bgl)	BORE HOLE	LIS	ST ANNULAR SI	EAL MAT	ERIAL A	AND	AM	OUNT	метно	D OF
IAL	FROM	то	DIAM. (inches)	GRA	VEL PACK SIZE	-RANGE I	BY INTE	ERVAL	(cub	ic feet)	PLACEN	MENT
TER												
MA												
LAR				-								
ANNULAR MATERIAL			-	-								
3. AN			-	+								
٠,												
FOR	OSE INTER										OG (Version 01/2	

POD NO.

TRN NO.

PAGE 1 OF 2

WELL TAG ID NO.

LOCATION

FILE NO. C-4601- POA

26.35.05.343

	DEPTH (f	TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)	S BEA	ATER RING? S / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)	
	0	4	4	Sand, medium/ fine grained poorly graded, Red	Y	✓ N	ZOTYZB (gpin)	
	4	19	15	Sand, medium/ fine grained poorly graded, Tan	Y	✓ N		
	19	101	82	Sand, medium/ fine grained poorly graded, Reddish Brown	Y	✓ N		
				, <i>G F</i> , <i>G</i>	Y	N		
					Y	N		
د					Y	N		
4. HYDROGEOLOGIC LOG OF WELL					Y	N		
OF V					Y	N		
90					Y	N		
ICT					Y	N		
507					Y	N		
EO					Y	N		
ROC					Y	N		
EX					Y	N		
4					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:				TOTAL ESTIMATED			
	PUMP AIR LIFT BAILER OTHER - SPECIFY:					D (gpm):	0.00	
NO	WELL TEST	TEST STAR	RESULTS - ATT. T TIME, END TIME	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, IN ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV	CLUDING DIS ER THE TEST	CHARGE I	METHOD, DD.	
[SIA]	MISCELLA	NEOUS INF	ORMATION:					
PEF								
IG SI					ISE OTT APR	8 2022	MRH E	
MISCELLANEOUS INFORMATION: OSE OII APR 8 2022 PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THE					The Coloring			
TES	PRINT NAM	E(S) OF DI	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	STRUCTION	OTHER TH	IAN LICENSEE:	
3.	Shane Eldridge, Carmelo Trevino, Cameron Pruitt							
TURE	CORRECT F	ECORD O	F THE ABOVE D	IES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BEL DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL O DAYS AFTER COMPLETION OF WELL DRILLING:				
6. SIGNATURE	Jack K	tkins		Jackie D. Atkins	4/′	4/7/2022		
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME		DATE		
	FOR OSE DIFFERMAL LISE							

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version (01/28/2022)
FILE NO. C-4601- 701	POD NO.	TRN NO. 72104	
LOCATION 25.35.05.343		WELL TAG ID NO. PA	GE 2 OF 2

Mike A. Hamman, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr:

721041

File Nbr:

C 04601

Well File Nbr: C 04601 POD1

Apr. 08, 2022

MELODIE SANJARI MARATHON OIL 4111 S TIDWELL RD CARLSBAD, NM 88220

Greetings:

The above numbered permit was issued in your name on 03/10/2022.

The Well Record was received in this office on 04/08/2022, stating that it had been completed on 03/31/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 03/10/2023.

If you have any questions, please feel free to contact us.

Sincerely,

Maret Amaral (575) 622 - 6521

drywell



2904 W 2nd St. Roswell, NM 88201 voice: 575.624.2420 fax: 575.624.2421 www.atkinseng.com

08/016/2021

DII-NMOSE 1900 W 2nd Street Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4601 Pod1

Grown Modelin

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4601 Pod1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

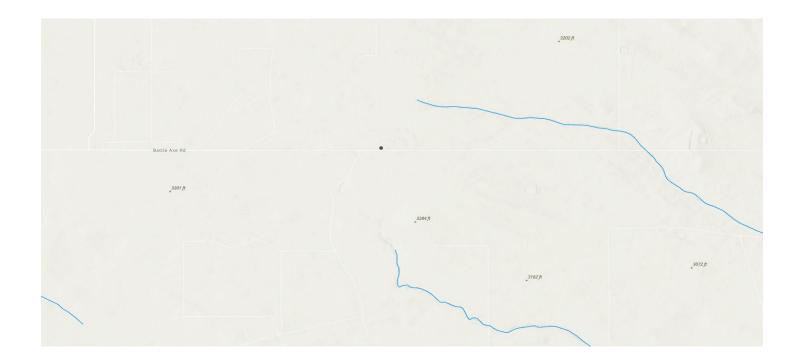
Enclosures:

as noted above

OSE DIT APR 8 2022 PM3:15



Karst Map



Hydrology Map

Sante Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

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

QUESTIONS

Action 505585

QUESTIONS

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
600 W Illinois Ave	Action Number:
Midland, TX 79701	505585
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites					
Incident ID (n#)	nAPP2518342431				
Incident Name	NAPP2518342431 CAVE LION 5 TB FEDERAL 001H @ FAPP2125250182				
Incident Type	Release Other				
Incident Status	Remediation Closure Report Received				
Incident Facility	[fAPP2125250182] CAVE LION 5 FED 15 TB				

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CAVE LION 5 TB FEDERAL 001H
Date Release Discovered	06/22/2025
Surface Owner	Federal

ncident Details		
Please answer all the questions in this group.		
Incident Type	Release Other	
Did this release result in a fire or is the result of a fire	No	
Did this release result in any injuries	No	
Has this release reached or does it have a reasonable probability of reaching a watercourse	No	
Has this release endangered or does it have a reasonable probability of endangering public health	No	
Has this release substantially damaged or will it substantially damage property or the environment	No	
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No	

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications f	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Normal Operations Separator Crude Oil Released: 3 BBL Recovered: 3 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Normal Operations Separator Produced Water Released: 27 BBL Recovered: 27 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 505585

QUESTI	ONS (continued)
Operator: MARATHON OIL PERMIAN LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
QUESTIONS	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
Nature and Volume of Release (continued)	
Tractice and volume of release (continued)	T
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response The responsible party must undertake the following actions immediately unless they could create a s The source of the release has been stopped	afety hazard that would result in injury. True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releate the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are require ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 09/12/2025

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 3

Action 505585

QUESTIONS (continued)

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
600 W Illinois Ave	Action Number:
Midland, TX 79701	505585
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided t	o the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	Yes	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes complete which includes the anticipated timelines for beginning and completing the remediation.	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
On what estimated date will the remediation commence	08/18/2025	
On what date will (or did) the final sampling or liner inspection occur	08/18/2025	
On what date will (or was) the remediation complete(d)	08/18/2025	
What is the estimated surface area (in square feet) that will be remediated	4408	
What is the estimated volume (in cubic yards) that will be remediated	0	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to		

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 505585

QUESTIONS (continued)

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
600 W Illinois Ave	Action Number:
Midland, TX 79701	505585
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
Is (or was) there affected material present needing to be removed	Yes	
Is (or was) there a power wash of the lined containment area (to be) performed	Yes	
OTHER (Non-listed remedial process)	Not answered.	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed e	efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement

Name: Brittany Esparza Title: Environmental Technician

Email: brittany.Esparza@ConocoPhillips.com

Date: 09/12/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 6

Action 505585

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QUESTI	ONS (continued)
Operator:	OGRID:
MARATHON OIL PERMIAN LLC 600 W Illinois Ave	372098 Action Number:
Midland, TX 79701	505585
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Liner Inspection Information	
Last liner inspection notification (C-141L) recorded	495348
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	08/18/2025
Was all the impacted materials removed from the liner	Yes
What was the liner inspection surface area in square feet	4408
Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all re	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
What was the total surface area (in square feet) remediated	4408
What was the total volume (cubic yards) remediated	0
Summarize any additional remediation activities not included by answers (above)	Liner integrity inspection activities were conducted following a release of oil/water mixture within a lined containment at the Site. Upon inspection, no rips, tears, holes, or damage was observed, and the liner was determined to be sufficient. The release was contained laterally by the lined containment and the liner was performing as designed.
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to a water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required ses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface to does not relieve the operator of responsibility for compliance with any other federal, state, or ally restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed no notification to the OCD when reclamation and re-vegetation are complete.
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com

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CONDITIONS

Action 505585

CONDITIONS

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
600 W Illinois Ave	Action Number:
Midland, TX 79701	505585
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Liner inspection and closure is approved for App ID: 505585	9/22/2025