Page 6

Oil Conservation Division

Incident ID	NCH1903349971
District RP	1RP-5311
Facility ID	
Application ID	

Page 1 of 29

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.

<u>Closure Report Attachment Checklist</u>: Each of the following in	tems must be included in the closure report.								
A scaled site and sampling diagram as described in 19.15.29.11 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	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	ations. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.								
Printed Name: Melodie Sanjari	Title: HES Professional								
Signature: Melodie Sanjari	Date: <u>5/25/2023</u>								
email: msanjari@marathonoil.com	Telephone: <u>575-297-0956</u>								
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: Hall	Date: <u>6/2/2023</u>								
Printed Name: Brittany Hall	Title: Environmental Specialist								

Resubmission requested by the Division. Origianlly submitted via email on 3/18/2019 to emnrd-ocd-district1spills@state.nm.us, Christina Hernandez (OCD) and Ryan Mann (SLO).



Battle 34 Federal #004H

API NO. 30-025-42636

1RP-5311

Release Date: 12/8/18

Unit Letter M, Section 27, Township 21 South, Range 33 East

Lea County, New Mexico

March 15th, 2019

Prepared By:



White Buffalo Environmental, Inc.

407 East Broadway

Hobbs, NM 88240

Phone: (575)738-0424

Fax: (575)738-0430

Released to Imaging: 6/2/2023 10:51:04 AM



March 15, 2019

Marathon Oil Company C/O Callie Karrigan 4111 S. Tidwell Street Carlsbad, NM 88220

United States Department of the Interior Bureau of Land Management C/O Crystal Weaver 620 E. Green Street Carlsbad, NM 88220

RE: Battle 34 Federal #004H (1RP-5311) API No: 30-025-42636

Dear Crystal Weaver,

Marathon Oil Company has retained White Buffalo Environmental to address the closure concerns for the environmental release detailed herein.

The site is located in Lea County, New Mexico. The Battle 34 Federal #004H had a release on December 8th, 2018 due to a gasket failure on the heater treater. Approximately 55bbls of oil was released into the lined, steel containment. A vacuum truck was dispatched to location and recovered approximately 55bbls of oil.

Remediation Procedures

White Buffalo Environmental power-washed the equipment, lines and containment that was affected by this release. After the site was dry of fresh water, final photographs were taken of the containment. Please see photograph page that is attached to this report.

On February 25, 2019 WBE sent an email for a the NMOCD for a liner inspection of the site. The email was read by the NMOCD but we never received a response. Therefore, WBE conducted the liner inspection and found no issues that would compromise the liners integrity. Please find the original email and the read receipts attached to this report.

Conclusion

White Buffalo Environmental and Marathon Oil Company would like to request that the BLM and NMOCD take this report as the Final Closure Report for the Battle 34 Federal 4H, which occurred on 12/08/18 for 1RP-5311.

Sincerely,

stali Geladen

Natalie Gladden Environmental and Regulatory Director White Buffalo Environmental, Inc. 407 East Broadway Hobbs, NM 88240 Office (575) 738-0424 Fax (575) 738-0424 Fax (575) 397-6397 Email: natalie.gladden@whitebuffalo.com

Attachments:

C141 Groundwater Data Site Photographs Final C141 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 Page 5 of 29

Incident ID	NCH1903349971
District RP	1RP-5311
Facility ID	
Application ID	pCH1903350347

Release Notification

Responsible Party

Responsible Party Marathon Oil Permian LLC	OGRID 372098						
Contact Name Callie Karrigan	Contact Telephone 575-297-0956						
Contact email cnkarrigan@marathonoil.com	Incident # NCH1903349971 BATTLE 34 FEDERAL 4H @ 30-025-42636						
Contact mailing address 4111 Tidwell Road, Carlsbad New Mexico, 88220							

Location of Release Source

Latitude <u>32.44309700</u>

Longitude 103.56532560 (NAD 83 in decimal degrees to 5 decimal places)

Site Name Battle 34 Federal 4H	Site Type Oil and gas drilling facility
Date Release Discovered 12/08/18	API# (if applicable) 30-025-42636

Unit Letter	Section	Township	Range	County
Μ	27	21S	33E	LEA

Surface Owner: State 🖌 Federal 🗌 Tribal 🗙 Private (*Name:* _____

State minerals

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) 55	Volume Recovered (bbls) 55
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

Operator reported a treater gasket leak. Approximately 55 barrels of oil was released into lined, steel containment. A vac truck was dispatched and recovered all fluids.

Page 2

Oil Conservation Division

Incident ID		
District RP		
Facility ID		
Application ID		

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release? Release exceeds 25 bbls.
19.15.29.7(A) NMAC? ✓ Yes □ No	
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Yes by Callie Karriga 2:23 PM.	an via email to Jim Griswold, Christina Hernandez and Shelly Tucker on 12/9/18 at

Initial Response

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

 \checkmark The source of the release has been stopped.

 \checkmark 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: Callie Karrigan

Signature: Callix Karrigan

Date: 12/18/18

Title: HES Professional

email: cnkarrigan@marathonoil.com

Telephone: 575-297-0956

OCD Only

Received by:

RECEIVED By CHernandez at 1:50 pm, Feb 02, 2019 Page 6

Oil Conservation Division

Incident ID	NCH1903349971
District RP	1RP-5311
Facility ID	
Application ID	

Page 7 of 29

Closure

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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. Title: HES Professional Printed Name: Melodie Sanjari Signature: Callie Karrigan Date: 5/25/2023 email: msanjari@marathonoil.com Telephone: 575-297-0956 **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: _____ Title: _____ Printed Name:

G & L TRUCK				it.
Phone (575) 390-0581 • Fax	575) 391-05	503		T
Customer Bill of Lading	Deliver	y Tick	et	-
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4				
Date Order Submitted: 12 - 8 - 18	NAME OF	and a		
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Customer Name: Marathon	ait	-		REE
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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 replaced, O=orpha C=the fil closed)	ned,	d,									neters)	(In feet)		
		POD													
POD Number	Code	Sub-	County	_	Q 16			Two	Dng	х	Y	DistanceDor	othWellDepth		ater
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CF 01330 FOD1		CF	LE	4	Ζ	2	33	215	33E	034300	3390014	220	1098	222	545
<u>CP 01355 POD1</u>		CP	LE	2	1	3	27	21S	33E	634773	3591061 🌍	610	1192	582	610
<u>CP 01411 POD2</u>		СР	LE		1	2	34	21S	33E	635534	3590380 🌍	675	1125		
<u>CP 01357 POD1</u>		СР	LE	4	3	1	27	21S	33E	634782	3591347 🌍	894	1286	578	708
											Averag	ge Depth to Wate	er:	571 feet	
										80		Minimum De	pth:	555 feet	
												Maximum Dep	oth:	582 feet	
Record Count: 4															

UTMNAD83 Radius Search (in meters):

Easting (X):	634862.91	Northing (Y):	3590457.29	Radius: 1000
			17	
The data is furnished by	the NMOSE/ISC and is accept	ed by the recipient	with the expressed understanding	that the OSE/ISC make no warranties, expressed or implied, concerning the
accuracy, completeness, 1	eliability, usability, or suitabili	ty for any particular	purpose of the data	

2/5/19 8:16 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



				s are 1=N rs are sm				(NAD83 UT	M in meters)	
Well Tag	POD	Number	Q64 Q	16 Q4	Sec	Tws	Rng	X	Y	
	CP (01357 POD1	4	3 1	27	21S	33E	634782	3591347	<u>ک</u>
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Driller Nar	ne:	GLENN, CLARK	KA."CORKY	711						
Drill Start	Date:	08/16/2014	Drill Fir	ish Da	te:	0	8/26/20	14 Plu	g Date:	
Log File Da	ate:	09/10/2014	PCW R	cv Date	:			Sou	irce:	Artesian
Ритр Туре	:		Pipe Dis	charge	Size	:		Est	imated Yiel	d:
Casing Size	2:	6.37	Depth W	Vell:		13	286 feet	t Dej	oth Water:	578 feet
1	Wate	er Bearing Stratif	ications:	То	pВ	ottom	Desc	ription		
				94	5	960	Sands	stone/Gravel/	Conglomera	te
				96	0	1077	Shale	/Mudstone/S	iltstone	
				107	7	1215	Sands	stone/Gravel/	Conglomera	te
				121	5	1286	Shale	/Mudstone/S	iltstone	
		Casing Perf	orations:	То	рB	ottom				
				84	6	1286				

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2/5/19 8:18 AM



			• 1	rs are 1=] ers are sr			W 4=SE) t)		'M in meters)	
Well Tag	POD	Number	Q64 (Q16 Q4	Sec	Tws	Rng	X	Y	
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Driller Nan	ne:	GLENN, CLARK	A."CORK	Υ"						
Drill Start	Date:	08/01/2014	Drill Fi	nish D	ate:	0	8/09/20	14 Plu	g Date:	
Log File Da	ate:	08/25/2014	PCW R	cv Dat	e:			Sou	irce:	Artesian
Ритр Туре	21		Pipe Di	scharg	e Size	:		Est	imated Yield:	
Casing Size	:	6.37	Depth V	Well:		1	098 fee	t Dej	oth Water:	555 feet
ç	Wate	r Bearing Stratifi	eations.	т	op H	Bottom	Dose	ription		
	TT ALLO	Dearing Stratin	cations:		65	795			Conglomerate	
					95	825		e/Mudstone/S	0	
				8	25	920	Sanda	stone/Gravel/	Conglomerate	
				9	20	935	Shale	e/Mudstone/S	iltstone	
				9	35	968	Sand	stone/Gravel/	Conglomerate	
				9	68	976	Shale	e/Mudstone/S	iltstone	
				9	76	1005	Sand	stone/Gravel/	Conglomerate	
				10	05	1092	Sand	stone/Gravel/	Conglomerate	
		Casing Perfe	orations:	Т	op E	Bottom	l			
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Log File Da	ate:	09/10/2014	PCW Rev	Date	:			Soi	irce:	Artesian
Pump Type	e:		Pipe Disch	arge	Size	2		Est	imated Yield:	50 GPM
Casing Size	e:	6.37	Depth We	11:		1	92 feet	De	oth Water:	582 feet
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				92	5	975	Sands	tone/Gravel/	Conglomerate	
				97	5	1185	Sands	tone/Gravel/	Conglomerate	
		Casing Perf	forations:	То	рB	ottom				
				69	0	1192				

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2/5/19 8:17 AM



			(quarters	are 1=N	W 2=	NE 3=S	W 4=SE)			
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Driller Lice Driller Nar		1723	Driller (Compa	ny:	SB CO		C DBA STEV	WART BROTH	IERS DRILLING
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Log File Da	ate:	12/26/2014	PCW Re	ev Date	e:			Soi	irce:	Artesian
Pump Type	e:		Pipe Dis	charge	e Size			Est	imated Yield:	50 GPM
Casing Size	e:	9.88	Depth W	ell:		1	125 feet	Dej	pth Water:	
1	Wate	r Bearing Stratif	fications:	То	op E	Bottom	Desc	ription		
				84	40	1125	Sanda	stone/Gravel/	Conglomerate	
×		Casing Per	forations:	Te	op E	Bottom	1			
				74	14	1125	5			

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2/5/19 8:17 AM



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 been rep O=orpha C=the fĭ closed)	laced, ined,							/ 2=NE est to la	3=SW 4=SI rgest) (N	E) JAD83 UTM in m	ueters)	(In	feet)	
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<u>CP 01355 POD1</u>		СР	LE	2	1	3	27	215	33E	634773	3591061 🌍	610	1192	582	610
<u>CP 01411 POD2</u>		СР	LE		1	2	34	215	33E	635534	3590380 🌍	675	1125		
<u>CP 01357 POD1</u>		СР	LE	4	3	Ι	27	21S	33E	634782	3591347 🌍	894	1286	578	708
<u>CP 00854 POD1</u>		СР	LE	1	1	2	33	21S	33E	633879	3590223 🌍	1010	950	600	350
<u>CP 01411 POD1</u>		СР	LE		2	2	34	21S	33E	635968	3590386 🌍	1107	1149		
<u>CP 01349 POD1</u>		СР	LE	2	3	1	27	215	33E	635304	3591576 🌍	1203	1188	572	616
<u>CP 00601 POD1</u>		СР	LE		2	1	28	215	33E	633502	3591791* 🌍	1905	223		
<u>CP 00600 POD1</u>		СР	LE		2	4	25	21S	33E	639152	3591054* 🌍	4330	65		
											Averag	ge Depth to Wa	ter:	577 fee	t
												Minimum D	epth:	555 fee	et
												Maximum De	epth:	600 fee	t
Record Count: 9															
UTMNAD83 Radius	Search (i	<u>n meters)</u>	:												
Easting (X): 634	862.91		North	ing	(Y)	:	3590	457.29)		Radius: 5000				
*UTM location was derived	from PLSS	- see Help													
The data is furnished by the N accuracy, completeness, reliab	IMOSE/ISC ility, usabilit	and is accurs, or suitab	epted by th ility for an	e re y pa	cipie rticu	ent v ilar	with th purpo	ne expr se of th	essed un e data	derstanding t	hat the OSE/ISC ma	ke no warranties	s, expressed or i	mplied, concern	ning the

2/5/19 8:20 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



								NE 3=S o larges		/	983 UT	⁻ M ir	n meters)	
Well Tag	POD	Number	Qe	4 Q	Q16 (2 4	Sec	Tws	Rng		X		Y	
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Driller Nam	ie:	GLENN, CLARK	A,"COI	K.	Y"									
Drill Start I	Date:	08/01/2014	Dril	Fi	nish	Da	te:	0	8/09/2	2014	Plu	g D	ate:	
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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.

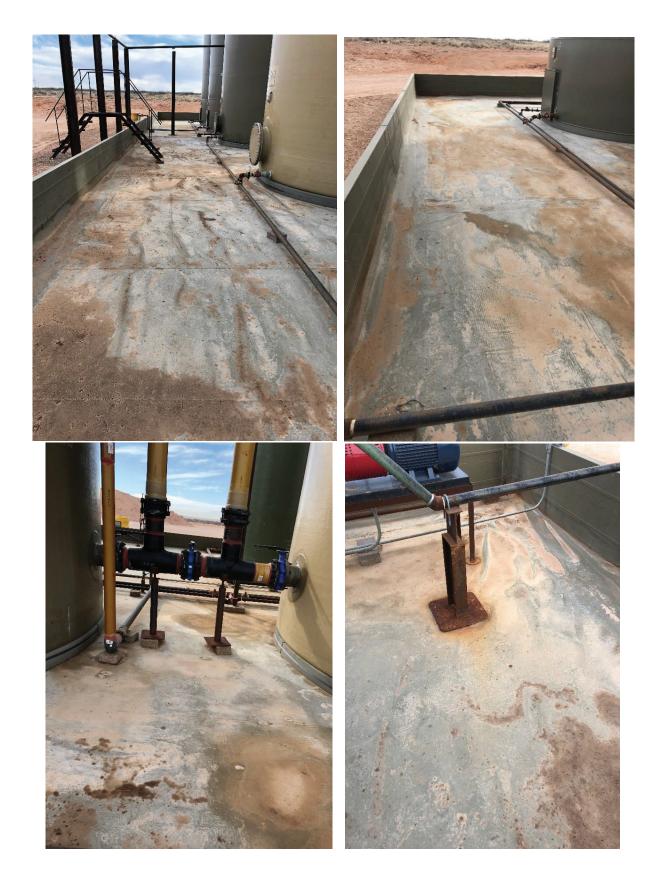
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Drill Start	Date:	10/01/2014	Drill Fi	nish Da	te:	1	0/07/20	14	Plug Date:	
Log File D	ate:	12/26/2014	PCW R	cv Date				l L	Source:	Artesian
Pump Type	e:		Pipe Dis	scharge	Size	:		1	Estimated Yield:	50 GPM
Casing Size	e:	9.88	Depth V	Vell:		1	125 feet	t l	Depth Water:	
	Wate	er Bearing Stratif	ications:	To	p B	ottom	Desc	ription		
				84	10	1125	Sand	stone/Grav	el/Conglomerate	
		Casing Pert	forations:	То	p B	ottom				
				74	14	1125				

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.

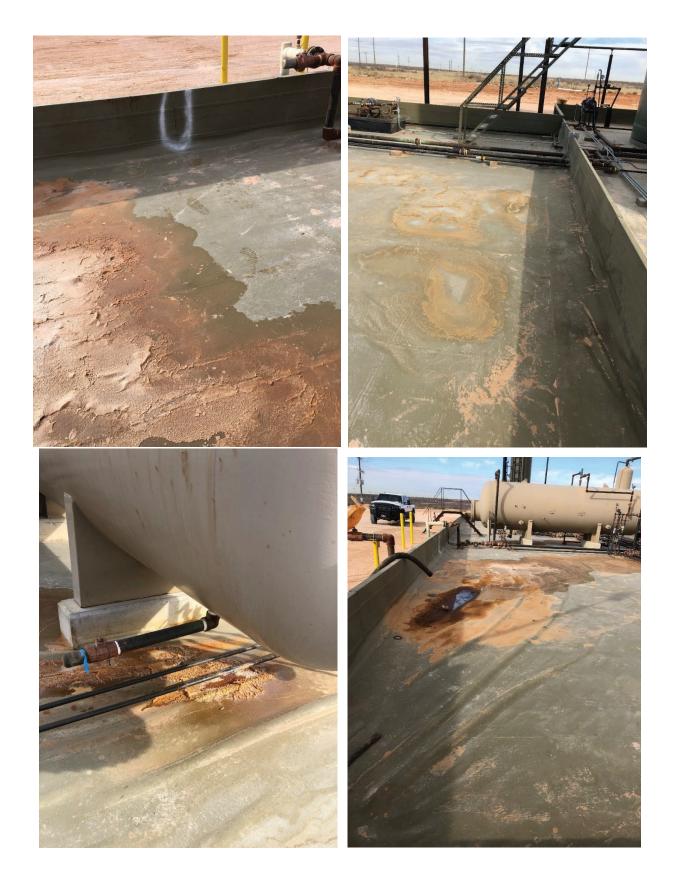
2/5/19 8:21 AM



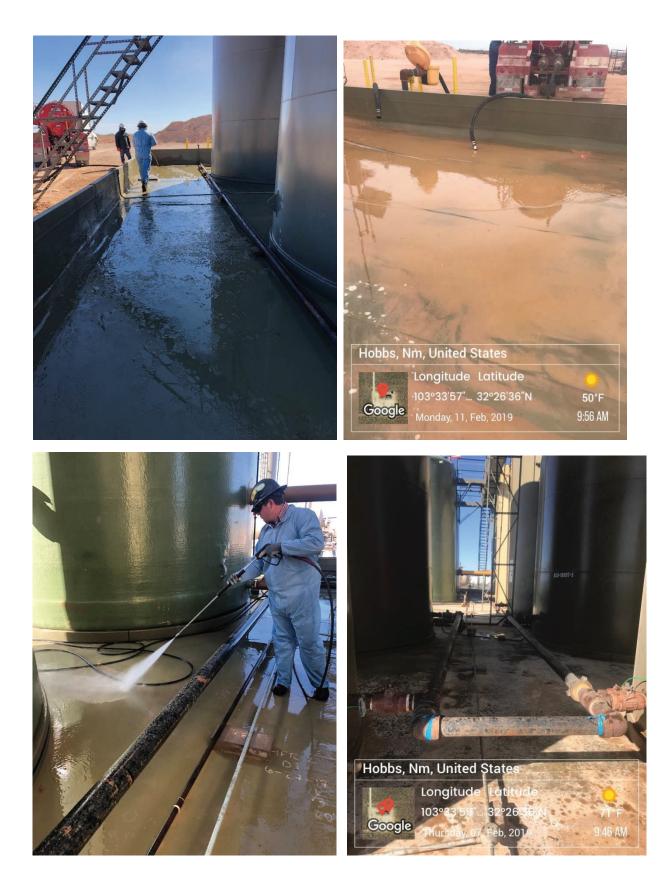


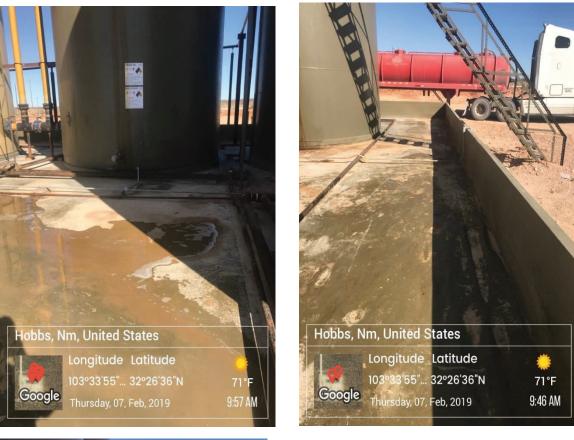


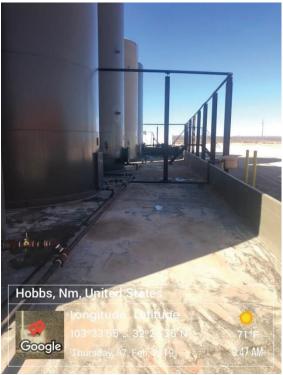




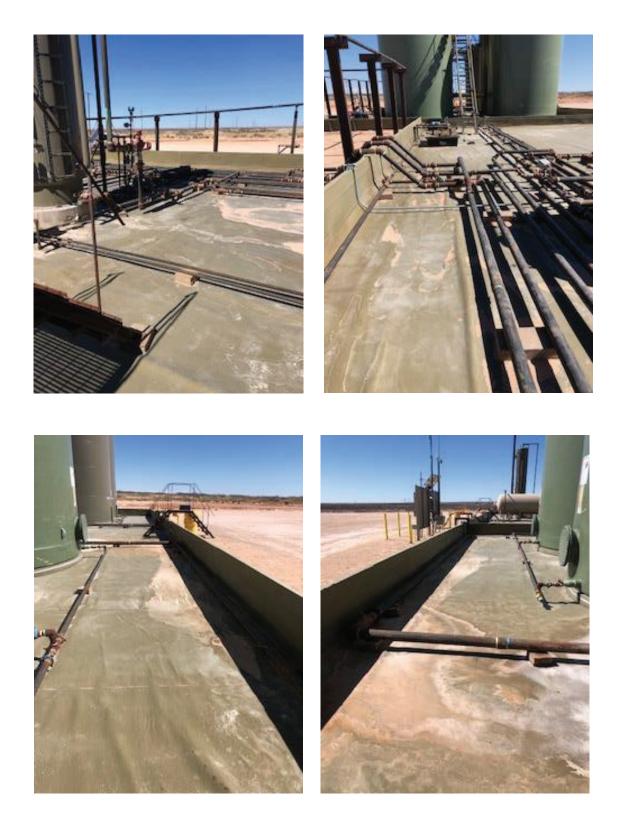


















Natalie Gladden

From:	Natalie Gladden
Sent:	Monday, February 25, 2019 4:27 PM
To:	emnrd-ocd-district1spills@state.nm.us
Subject:	Battle 34 Federal 4H - Marathon
Importance:	High

WBE would like to schedule a liner inspection on the above referenced site. Please contact me by email or by cell which is listed below. This is for 1RP-5311 dated 12/08/18.

Sincerely,

Natalie Gladden

Regulatory & Environmental Director



White Buffalo Environmental, Inc.

407 East Broadway Hobbs, NM 88240 O: (575) 738-0424 F: (575) 738-0430 C: (575) 390-6397

Natalie Gladden

From:	Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us></mike.bratcher@state.nm.us>
То:	Natalie Gladden
Sent:	Tuesday, February 26, 2019 9:38 AM
Subject:	Read: Battle 34 Federal 4H - Marathon

Your message

To:

Subject: Battle 34 Federal 4H - Marathon Sent: Tuesday, February 26, 2019 4:37:39 PM (UTC+00:00) Monrovia, Reykjavik

was read on Tuesday, February 26, 2019 4:37:33 PM (UTC+00:00) Monrovia, Reykjavik,

Natalie Gladden

From:	Fields, Vanessa, EMNRD <vanessa.fields@state.nm.us></vanessa.fields@state.nm.us>
То:	Natalie Gladden
Sent:	Monday, February 25, 2019 4:56 PM
Subject:	Read: [EXT] Battle 34 Federal 4H - Marathon

Your message

To:

Subject: Battle 34 Federal 4H - Marathon Sent: Monday, February 25, 2019 11:56:23 PM (UTC+00:00) Monrovia, Reykjavik

was read on Monday, February 25, 2019 11:56:19 PM (UTC+00:00) Monrovia, Reykjavik.

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:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	220410
	Action Type:
	[C-141] Release Corrective Action (C-141)
	• · · ·

CONDITIONS

Created By		Condition Date
bhall	None	6/2/2023

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Action 220410