

August 27, 2024

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 MCA Unit #184

Incident Number NSAP0230953082

Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Maverick Permian, LLC (Maverick), has prepared the following *Closure Request* to document historical remediation activities performed at the MCA Unit #184 (Site). The remediation activities completed during 2013/2014 for Incident Number NTO1419639129 encompassed the release area for the subject Incident Number NSAP0230953082. Based on the historical remediation activities and subsequent closure approval for Incident Number NTO1419639129, Maverick is requesting closure for Incident Number NSAP0230953082.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit J, Section 27, Township 17 South, Range 32 East, in Lea County, New Mexico (32.8037071, -103.7521286) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On November 5, 2002, a tubing leak on the MCA Unit #184 injection well resulted in the release of approximately 5 barrels (bbls) of produced water. The release sprayed onto the caliche pad and adjacent pasture. The previous operator, ConocoPhillips Company, reported the release to the New Mexico Oil Conservation Division (NMOCD). The release was assigned Incident Number NSAP0230953082. The location and volume of the release were available in the NMOCD incident records; however, no Form C-141 was found.

On October 17, 2013, corrosion of a valve resulted in the release of approximately 11.7 bbls of produced water. A vacuum was used to recover 5 bbls of free-standing fluid. The release affected approximately 3,485 square feet of caliche pad and adjacent pasture. ConocoPhillips Company reported the release to the NMOCD on a Release Notification Form C-141 (Form C-141) on October 18, 2013. The release was assigned Incident Number NTO1419639129.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC).

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, NM 88220 | ensolum.com

Maverick Permian, LLC Closure Request MCA Unit #184

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Results from the characterization are summarized below and detailed in the NMOCD permitting portal Form C-141 Site Characterization section. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 60 feet below ground surface (bgs) based on the nearest groundwater well/soil boring data. A borehole (BH-4) was drilled approximately 0.7 miles northeast of the Site on March 23, 2020. The borehole was drilled during remediation activities associated with Incident Number NJXK1621825385. The borehole was advanced to a depth of 60 bgs via air rotary drilling rig, and no groundwater was encountered. Additionally, New Mexico Office of the State Engineer (NMOSE) well RA-12721 POD 5, was located approximately 0.7 miles southwest of the Site. The well was drilled during April 2020 and has a reported depth to groundwater of 124 feet bgs. The referenced well records are included in Appendix A. All wells used for depth to groundwater determination are presented on Figure 1.

The closest continuously flowing or significant watercourse is greater than 300 feet from the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 10,000 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH applies to the top 4 feet of the pasture area that was impacted by the release, per 19.15.29.13.D (1) NMAC.

HISTORICAL REMEDIATION ACTIVITIES

The release occurred in 2002 while the Site was operated by ConocoPhillips Company. The release information documented in the NMOCD incident records indicates that the caliche pad and a sandy low spot in the adjacent pasture were impacted by the release and that remediation of impacted soil would be completed in-place. No subsequent documentation of remediation activities was available for Incident Number NSAP0230953082.

A second release, Incident Number NTO1419639129, occurred at the Site on October 17, 2013, and was documented to have occurred in the same area as Incident Number NSAP0230953082. The documented release extent includes the caliche well pad around the MCA Unit 184 well head and the adjacent pasture area to the south (which was field verified to be a topographical low spot).

Remediation of Incident Number NTO1419639129 was completed during May 2014, Remediation activities were completed in accordance with the Corrective Action Plan (CAP), approved by the NMOCD on Aprill 22, 2014. Impacted soil was excavated from the release area to depths ranging from 1-foot to 2.5 feet bgs and confirmation soil samples were collected from the final excavation extent. A *Termination*



Maverick Permian, LLC Closure Request MCA Unit #184

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Request, requesting closure of Incident Number NTO1419639129 was submitted to the NMOCD on July 2, 2014. NMOCD approved closure of the release on July 14, 2014. A copy of the Final form C-141 and July 2, 2014, *Termination Request* is included as Appendix B. The *Termination Request* includes documentation of the release extent, excavation extent, soil sample locations, and photographs of the remediation activities.

A Site visit was completed on August 22, 2024, to evaluate current Site conditions. No surface staining or visible indications of the historical releases were identified at the Site and vegetation was establishing in the affected pasture area south of the well pad. A photographic log from the Site visit is included as Appendix C.

RECLAMATION ACTIVITIES

Reclamation activities were completed historically by the previous operator. The July 2, 2014, *Termination Request* indicates that the pad excavation was backfilled with imported caliche and the pasture excavation was backfilled with imported topsoil. Both areas were contoured to match the surrounding topography and the pasture area was seeded with the BLM seed mix #2.

CLOSURE REQUEST

Historical remediation activities completed during 2014 for Incident Number NTO1419639129 appear to have encompassed the 2002 release area for Incident Number NSAP0230953082. NMOCD approved closure of Incident Number NTO1419639129 on July 14, 2014. Based on the historical remediation activities completed at the Site and closure approval of Incident Number NTO1419639129, Maverick respectfully requests closure for Incident NSAP0230953082.

If you have any questions or comments, please contact Ms. Aimee Cole at (720) 384-7365 or acole@ensolum.com.

Sincerely,

Ensolum, LLC

Aimee Cole

Senior Managing Scientist

cc: Bryce Wagoner, Maverick Natural Resources

Appendices:

Figure 1 Site Receptor Map

Appendix A Referenced Well Records

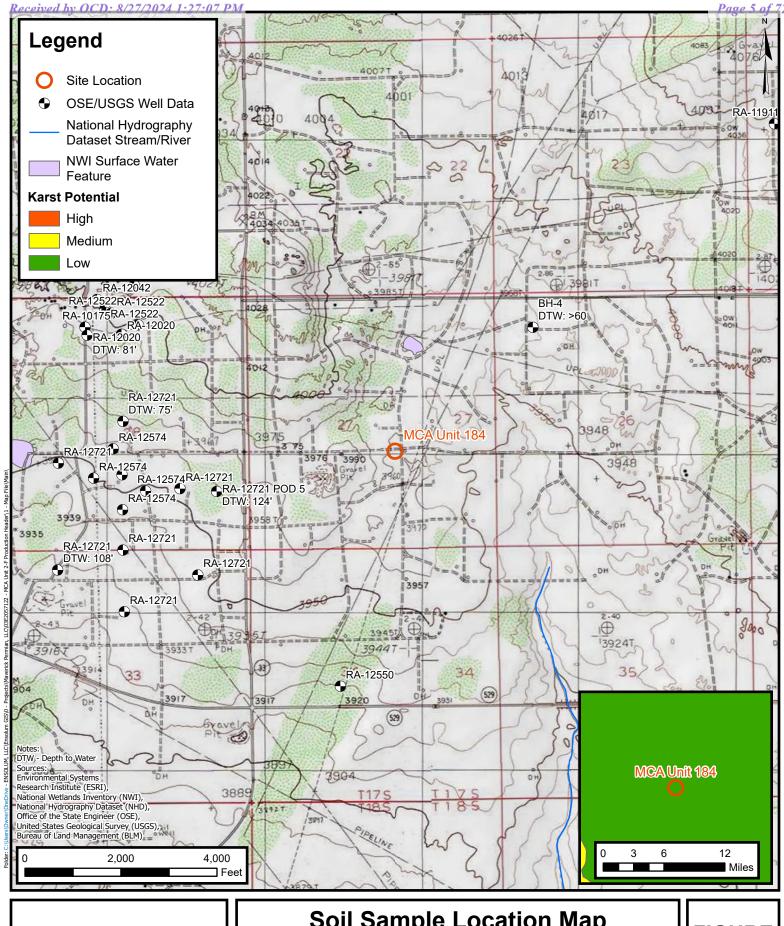
Appendix B Final C-141 and Termination Request (July 2, 2014)

Appendix C Photographic Log





FIGURES





Soil Sample Location Map

Maverick Permian, LLC MCA Unit 184 Incident Number: NSAP0230953082 Unit J, Section 27, Township 17 South, Range 32 East Lea County, New Mexico

FIGURE



APPENDIX A

Referenced Well Records

212	2C-N	1D-0	2067	T	ŧŢ	ETR	A TEC	СН					I	LOG OF BORING BI	I-4		Page 1 of 3
Proj	Project Name: MCA 123 Injection Line Release Borehole Location: GPS: 32.810847°, -103.743217°								ase								
Bore	hole	Lo	cation:	GPS: 32	2.810)847°	, -103	3.743	217°			Surface Ele	vatio	n: 3973 ft			
Bore	hole	Nu	mber:	BH-4							Boreł Diam	ole eter (in.): 8		Date Started: 3/23/2020	D	ate Finished	d: 3/23/2020
			(mda	(mda	:RY (%)	ENT (%)	- L		DEX			While Drilli Remarks:		WATER LEVEL OBSER\ <u>▼ DRY</u> ft Upon Complet			PRY_ft
DEPTH (ft)	OPERATION TYPE	SAMPLE	XX CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	F LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	N	ИΑТ	ERIAL DESCRIPTION		DЕРТН (ft)	REMARKS
	177	M	208	1.6								-SM- SII	LTY	SAND; Brown, dense, dry, staining.	with no		BH-4 (0'-1')
-	$ \rangle\rangle$	\Box										J Odor, Wit		Starring.			
-	$ \rangle\rangle$	M	361	1.7								4					BH-4 (2'-3')
-	$ \rangle\rangle$	M	657	1.9												4	BH-4 (3'-4')
5	$ \rangle\rangle$	M	2.0	2.1								-SM- SII	LTY	SAND; Tan, dense, dry, wi	th no odo		BH-4 (4'-5')
5_	$ \rangle\rangle$	H										with no s	staini	ng.			
-	$ \rangle\rangle$	M	2.03	1.9													BH-4 (6'-7')
-	$ \rangle\rangle$	H														-	
-	$\left \right\rangle \rangle$															-	
-	1))	\mathbb{H}														-	
10_	{} {	A	1.95	2								1 1				-	BH-4 (9'-10')
-	{															_	
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_	$ \langle \langle$																
_	$ \langle \langle$															14	
15	$\langle \langle \rangle \rangle$	M	9.45	3.1								-SM- SII no odor.	LTY with	SAND; Light brown, dense no staining.	, dry, with	1	BH-4 (14'-15')
	$\langle \langle$											110 0001,		J			
-	$\langle \langle$											4					
-	$\langle \langle \rangle \rangle$																
-	$\frac{1}{2}$																
-	$\frac{1}{2}$	M	3.75	3.2								1					BH-4 (19'-20')
20	12/	H	5.75	5.2												-	1511-4 (19-20)
-	$ \rangle\rangle$															-	
-	$ \rangle\rangle$															F	
-	$ \rangle\rangle$															_	
-	$ \rangle\rangle$															<u> </u>	
25	ΪŻ	M	2.81	1.4					4:			1					BH-4 (24'-25')
Sam Type	pler es:		Split Spoor		Acetat	e Line	r (Opera Types			Ĺ	Hand Auge		tes:		.	
			Shelby	y 🖺 V	/ane s	Shear			Mud Rota	ary		Air Rotary	Sι	nalytical samples are show urface elevation is an estim	n in the "F ated valu	≺emarks" (ie.	coiumn.
		1774	Bulk Samp		Califor	nia				ntinuou ht Aug	jer	Direct Push	1				
		4	M Grab Samp	Іе 🗏 Т	Test P	Pit		1	- Was Rota	sn ary		Core Barre	I				
Logg	Logger: Devin Dominguez Drilling Equipment								g Egi	uipme	ent: A	ir Rotary	Dril	ler: Scarborough Drilling			

212C-MD-02067	TETRATES	ЕСН	LOG OF BORING BH-4					
Project Name: N	CA 123 Injection Line	Release						
Borehole Location:	GPS: 32.810847°, -103		Surface Elevation: 3973 ft					
Borehole Number:	BH-4	Boreh Diame	ole eter (in.): 8 Date Started: 3/23/2020 Date Finished	: 3/23/2020				
E E E E E E E E E E E E E E E E E E E	ppm) ERY (%) TENT (%)	ADEX (%)	WATER LEVEL OBSERVATIONS While Drilling	RY_ft				
OPERATION TYPE SAMPLE TAXABLE CHORIDE FIELD SCREENING (ppm)	<u> </u>	F LIQUID LIMIT PLASTICITY INDEX MINUS NO. 200 (%) GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS				
30 1.87	1.7		-SM- SILTY SAND; Tan, dense, dry, with no odor, with no staining.	BH-4 (29'-30') BH-4 (34'-35') BH-4 (39'-40')				
Sampler Types: Spli Spo	by Vane Shear California	Operation Types: Mud Rotary Continuous Flight Auger Wash Rotary	Hand Auger Notes: Air Rotary Air Rotary Direct Push Core Barrel Notes: Analytical samples are shown in the "Remarks" of Surface elevation is an estimated value.	olumn.				

212C-MD-02067 TETRA TECH											L	OG OF BORING BH-4		Page 3 of 3
Project	Nam	ne: MC	CA 123 li	njec	tion I	ine	Rele	ase						
Boreho	le Lo	cation:	GPS: 32	2.810)847°	, -103	3.743	217°			Surface Elevation:	3973 ft		
Boreho	le Nu	ımber:	BH-4						B	oreho	ole ter (in.):	Date Started: 3/23/2020	Date Finished	d: 3/23/2020
Į.	Ш	(ppm)	(mdd)	ERY (%)	TENT (%)	cf)		NDEX			V	VATER LEVEL OBSERVATIO DRY ft Upon Completion of D		RY_ft
DEPTH (ft)	SAMPLE	XX CHLORIDE FIELD SCREENING (ppm)	UVOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	F LIQUID LIMIT	☐ PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	MATE	ERIAL DESCRIPTION	DЕРТН (ft)	REMARKS
55 60		491	1.4					PI			Bott	om of borehole at 60.0 feet.		BH-4 (59'-60')
Sample Types:		Split Spoor Shelb Bulk Samp Grab Samp	y			r C	Opera ypes	: Muc Rota Con	ary tinuous nt Auge sh	Seer L	Hand Auger Note Air Rotary Ana Sur Direct Push Core Barrel	es: alytical samples are shown in the face elevation is an estimated v	e "Remarks" o alue.	column.
Logger	: De	vin Doming	uez				Drillin	g Equ	ıipme	nt: Air	Rotary Drille	er: Scarborough Drilling		



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

NA

RA 12721 POD5

28 17S 32E

3629961

615650

Driller License: 1456

Driller Company: WHITE DRILLING COMPANY

Driller Name: WHITE, JOHNNOWN.GENER

2.00

Drill Start Date: 04/27/2020

Drill Finish Date:

04/28/2020

130 feet

Plug Date:

Depth Water:

Log File Date:

05/18/2020

PCW Rcv Date:

Source:

Shallow

Pump Type: Casing Size: Pipe Discharge Size:

Depth Well:

Estimated Yield:

124 feet

Water Bearing Stratifications:

Top Bottom Description

121 Sandstone/Gravel/Conglomerate 109 121 Sandstone/Gravel/Conglomerate

125

Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom

90 130



APPENDIX B

Final C-141 and Termination Request (July 2, 2014)

HOBBS OCD

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
Listrict IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 JUL 1 5 2014

Form C-141 Revised August 8, 2011

Submit 1 Copy to appropriate District Office in **RECEIVES** cordance with 19.15.29 NMAC.

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			Kele	ease Notifi	cation	_		ction		•	"		
N T	OPERATOR Initial Report ☑ Final Report ame of Company ConocoPhillips Contact idress 29 Vacuum Complex Lane Telephone No.												
						<u> </u>	a To						
Facility Na		A 2F Header				Facility Typ							
									:				
Surface Ow	ner BLM	[Mineral (Owner	BLM			API No	. 300250	0718		
				LOCA		OF RE	LEASE						
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/Wes	t Line	County			
J	27	178	32E	1980	S	outh	1980	East	:	Lea			
			Latitude	e_32.80370756	42669	Longitue	le103.752155	5401928					
						_			-			•	
Type of Rele	ace Snill			- NAT	UKE	OF REL	Release 11.7 B	RIS V	olume I	Recovered	5 RRI	9	
Source of Release 2 inch steel flow line Date and Hour of Occurrence Date and Hour of Discovery SAME													
10/17/13 7:20 am Was Immediate Notice Given? If YES, To Whom?													
Yes No Not Required Trisha Bad Bear/Geoffrey Leking													
By Whom? David May Date and Hour 10/18/13 2:50 pm Was a Watercourse Reached? If YES, Volume Impacting the Watercourse.													
,,			Yes 🗵	No.									
If a Waterco	urse was Im	pacted, Descr	ibe Fully.	*		J							
D " C	6 TO 11	- 15	11 1 4	m 1 # D 1		11		41 1 1			10		
				n Taken.* Released from the Release Re							to a 12	" trunk line	
Describe Are	ea Affected	and Cleanup	Action Tal	ken.* The release	affected a	total of 3,48	square feet of lea	ase pad and	pasture l	and. RECS	personr	nel were on	
site beginning	g on Decemb	per 10 th , 2013 t	o assess the	e release. The rele	ease was j	photographed	and mapped. Beg	ginning on A	pril 7 th ,	2014, four p	oints wi	ithin the	
				lepth. The sample laboratory data, a									
approved the	CAP on Apr	il 16 th , 2014 a	nd NMOCI	D approved the Ca	AP on Ap	ril 22 nd , 2014.	BLM had one sti	ipulation as p	part of th	heir approva	l. They	stated that	
				e clean. Correctiv									
				ic yards of contam sted by BLM, and									
				cubic yards of bas									
				aliche and the imp									
RECS reques	ned a laborati	ory chloride re	ading of 11 be site from	12 mg/kg, and the m NMOCD and B	imported IM RIN	top soil retur: A approved th	ned a laboratory cl e site to be backfi	hloride readi illed on May	ng of no	on-detect. On 114 and NM	n May 2	22 ^{ad} , 2014,	
site to be bac	kfilled on M	ay 27 th , 2014.	The pastur	re area was backfil	led with	the imported t	op soil and the lea	ise pad was l	backfille	ed with the ir	mported	base coarse	
caliche. Both	n areas were	contoured to the	neir surroui	nding locations. (On May 3	0 th , 2014, the	scraped pasture ar	ea and the a	djacent a	ereas with lit	tle vege	etation were	
seeded with I			iven above	e is true and com	nlete to th	he best of my	knowledge and	understand	that pur	suant to NN	AOCD:	rules and	
				nd/or file certain									
				ce of a C-141 rep									
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	/		•				OIL CON	ISERVA	TION	DIVISI	<u>ON</u>		
Signature:	Sam	for									_		
Printed Nam	ie: Sem	/ KIST	USON			Approved by	Environmental :	Specialist:					
Title:	Title: ()PERATIONS Surflevisor. Approval Date: 7-18-14 Expiration Date:												
E-mail Addr	ress: Sa	N. 1.16	BENGN	Q Op. Oom		Conditions of	f Approval:		_	Attache	d \square		
Date: 1/	12/14		Phone	: 575-390-88	73		-		•			76	
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CONOCOPHILLIPS

P.O. Box 2197 Houston, TX 77252-2197 Phone 281.293.1000

MCA 2F Header

Termination Request

API No. 3002500718

Release Date: October 17th, 2013

Unit Letter J, Section 27, Township 17S, Range 32E



CONSULTING & SAFETY

PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

July 2nd, 2014

Tomáš 'Doc' Oberding, PhD

Environmental Specialist – New Mexico Oil Conservation Division Energy, Minerals and Natural Resources Department 1625 N. French Dr. Hobbs, NM 88240

> RE: Termination Request ConocoPhillips MCA 2F Header UL/J sec. 27 T17S R32E API No. 3002500718

Dr. Oberding:

ConocoPhillips (CoP) has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the above-referenced site.

Background and Previous Work

The site is located approximately 3.6 miles south of Maljamar, New Mexico at UL/J sec. 27 T17S R32E. NM OSE records indicate that groundwater will likely be encountered at a depth of approximately 65 +/- feet.

On October 17th, 2013, CoP discovered a release of 11.7 barrels of fluid from an abandoned 2 inch steel line connected to a 12 inch truck line by a butterfly valve. The butterfly valve leaked and the line was disconnected and replaced with a ball valve and plug. The release affected a total of 3,485 square feet of lease pad and pasture land. Five barrels of fluid was recovered from the site. NMOCD and BLM were notified of the release on October 18th, 2013 and an initial C-141 was sent to NMOCD for their approval (Appendix A).

RECS personnel were on site beginning on December 10th, 2013 to assess the release. The release was photographed and mapped. Beginning on April 7th, 2014, four points within the release area were sampled at the surface and with depth (Figure 1). The samples were field tested for chlorides and organic vapors, and representative samples were taken to a commercial laboratory for analysis (Appendix B).

Based on the laboratory data, a Corrective Action Plan (CAP) was submitted to NMOCD and BLM on April 15th, 2014. BLM approved the CAP on April 16th, 2014 and NMOCD approved the CAP on April 22nd, 2014. As part of the CAP, the release area would be scraped down one foot using a backhoe in the easily accessible areas and by hydrovac and by hand in the southern area of the release where active lines inhibit easy access. The remainder of the contamination from the release would be addressed during site abandonment. All excavated soils would be disposed of at a NMOCD approved facility. Clean soil would be imported to the site to serve as

backfill and to contour the site to the surrounding location. A sample of the imported soil would be taken to a commercial laboratory for analysis to confirm that the constituents are below regulatory standards. Soil amendments would be added to the pasture area as needed and then seeded with a blend of native vegetation.

BLM had one stipulation as part of their approval. They stated that Point 4 must be excavated to 1.5 ft and shown to be clean (Figure 2).

Corrective actions began at the site on May 9th, 2014. The site was scraped down by hand and backhoe as shown in the approved Corrective Action Plan Stipulations map (Figure 3). A total of 285 cubic yards of contaminated soil was taken to a NMOCD approved facility for disposal. A final sample was taken at the base of each scrape, including Point 4 as requested by BLM, and sent to a commercial laboratory for analysis (Appendix C). All constituents from each sample point returned results below regulatory standards. A total of 205 cubic yards of base coarse caliche and 80 cubic yards of top soil were imported to the site to serve as backfill. A composite sample from the imported base coarse caliche and the imported top soil were taken to a commercial laboratory for analysis. The imported base coarse caliche returned a laboratory chloride reading of 112 mg/kg, and the imported top soil returned a laboratory chloride reading of non-detect.

On May 22nd, 2014, RECS requested permission to backfill the site from NMOCD and BLM. BLM approved the site to be backfilled on May 23rd, 2014, and NMOCD approved the site to be backfilled on May 27th, 2014. The pasture area was backfilled with the imported top soil and the lease pad was backfilled with the imported base coarse caliche. Both areas were contoured to their surrounding locations. On May 30th, 2014, the scraped pasture area and the adjacent areas with little vegetation were seeded with BLM mix #2.

Photo documentation of these activities can be found in Appendix D.

Given that the site was scraped in accordance with the approved CAP and backfilled with clean, imported soil, CoP respectfully requests 'remediation termination' and site closure. The remainder of the contamination from the release will be addressed during site abandonment. A final C-141 can be found in Appendix E.

RECS appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 393-2967 or me if you have any questions or wish to discuss the site.

Sincerely,

Lara Weinheimer Project Scientist

JC.W.

RECS

(575) 441-0431

Attachments:

Figure 1 – Vertical Data

Figure 2 – Corrective Action Plan Stipulations

Figure 3 – Excavation Data

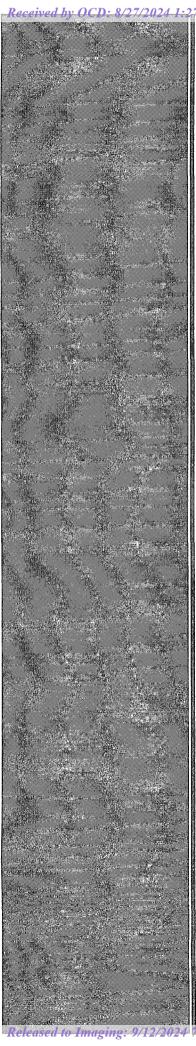
Appendix A – Initial C-141

Appendix B – Initial Sampling Labs

Appendix C – Excavation Sampling Labs

Appendix D – Photo Documentation

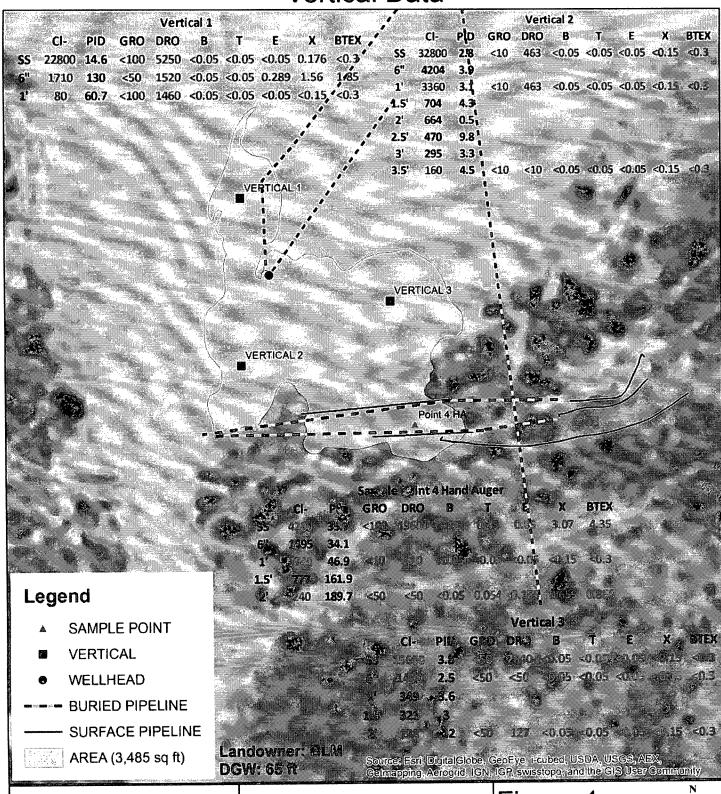
Appendix E – Final C-141



Figures

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948, Hobbs, NM 88241
Phone 575.393.2967

Vertical Data





CONOCOPHILLIPS | Figure 1 MCA 2F HEADER

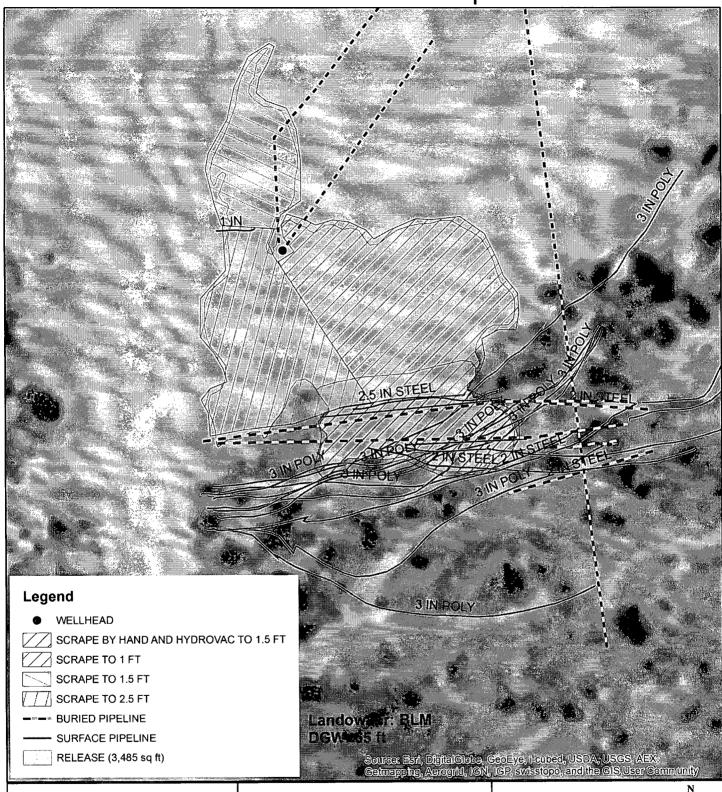
LEGALS: UL/J sec. 27 T-17-S R-32-E LEA COUNTY, NM



20 10 HHH Feet

GPS date: 4/7/14 EC Drawing date: 4/9/14 Drafted by: C. Ursanic

Corrective Action Plan Stipulations





CONSULTING & SAFETY

CONOCOPHILLIPS | Figure 2 MCA 2F HEADER

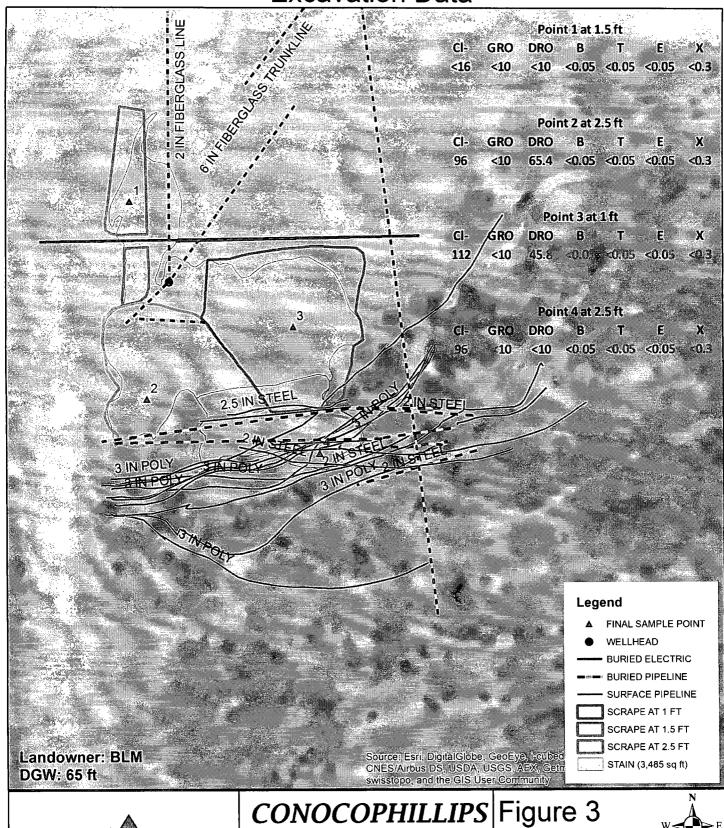
LEGALS: UL/J sec. 27 T-17-S R-32-E LEA COUNTY, NM



20 HHHFeet

> GPS date: 4/7/14 EC Drawing date: 4/22/14 Drafted by: L. Weinheimer

Excavation Data





MCA 2F HEADER

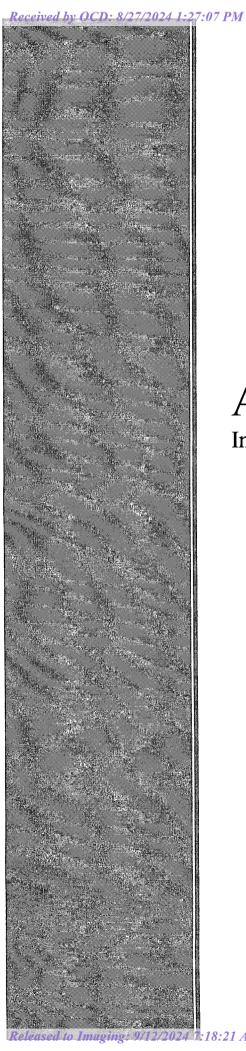
LEGALS: UL/J sec. 27 T-17-S R-32-E LEA COUNTY, NM



Feet

25 GPS date: 5/21/14 CF

Drawing date: 5/22/14 Drafted by: L. Weinheimer



Appendix A
Initial C-141

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967

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

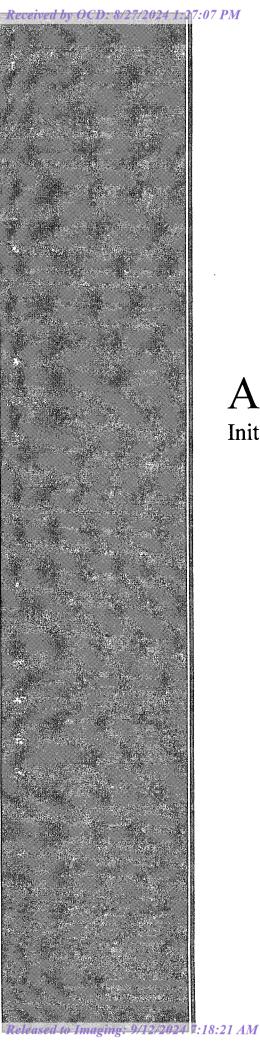
State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action OPERATOR Initial Report Final Report Contact: David May Name of Company: ConocoPhillips Address: 29 Vacuum Complex Lane Telephone No. 575-391-3106 Facility Name: MCA 2F Header Facility Type: Header Mineral OwnerBLM API No.3002500718 Surface Owner: BLM LOCATION OF RELEASE North/South Line Feet from the East/West Line Township Feet from the Unit Letter Section Range County South 1980 27 17S 32E 1980 East LEA J Latitude 32.8037075642669 Longitude -103.752155401928 NATURE OF RELEASE Volume of Release: 11.7 BBLS Volume Recovered: 5 BBLS Type of Release: Spill Date and Hour of Occurrence Date and Hour of Discovery Source of Release: 2 inch steel flow line 10/17/13 7:20 am SAME Was Immediate Notice Given? If YES, To Whom? Yes No Not Required Trish Bad Bear/Geoffrey Leking Date and Hour: 10/18/13 2:50 pm By Whom? David May If YES, Volume Impacting the Watercourse. Was a Watercourse Reached? ☐ Yes ☒ No If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* Release was caused by external corrosion. Abandoned line was connected to a 12" trunk line with a butterfly valve that was leaking. Line was disconnected from butterfly valve and was replaced with ball valve and plug. Describe Area Affected and Cleanup Action Taken.* . Affected area was 60 feet X 60 feet. Spill will be remediated according to BLM requirements. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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. OIL CONSERVATION DIVISION Signature: Approved by Environmental Specialist: Printed Name: David May Title: LEAD HSE Approval Date: Expiration Date: Conditions of Approval: E-mail Address: david.d.may@conocophillips.com Attached 🗔 Phone: 575-391-3106 Date: 10/18/13

* Attach Additional Sheets If Necessary



Appendix B Initial Sampling Labs

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967



April 08, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MCA 2 F HEADER

Enclosed are the results of analyses for samples received by the laboratory on 04/07/14 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg & Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received:

04/07/2014

Reported: Project Name: 04/08/2014 MCA 2 F HEADER

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sampling Date:

04/07/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: VERTICAL #1 SURFACE (H401054-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2014	ND	2.13	106	2.00	3.71	
Toluene*	<0.050	0.050	04/08/2014	ND	2.17	108	2.00	4.04	
Ethylbenzene*	< 0.050	0.050	04/08/2014	ND	2.16	108	2.00	4.18	
Total Xylenes*	0.176	0.150	04/08/2014	ND	6.29	105	6.00	4.72	
Total BTEX	<0.300	0.300	04/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIE	125 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22800	16.0	04/08/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	04/08/2014	ND	188	94.2	200	2.05	
DRO >C10-C28	5250	100	04/08/2014	ND	206	103	200	1.70	
Surrogate: 1-Chlorooctane	112 %	65.2-14	0	-			——————————————————————————————————————		
Surrogate: I-Chlorooctadecane	228 %	63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 2 of 12



Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

04/07/2014

04/08/2014

Sampling Date:

04/07/2014

Reported: Project Name:

MCA 2 F HEADER

Sampling Type:

Soil

Project Number:

NONE GIVEN

Sampling Condition:

Cool & Intact

Project Location:

NONE GIVEN

Sample Received By:

Jodi Henson

Sample ID: VERTICAL #1 6" (H401054-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2014	ND	2.13	106	2.00	3.71	
Toluene*	<0.050	0.050	04/08/2014	ND	2.17	108	2.00	4.04	
Ethylbenzene*	0.289	0.050	04/08/2014	ND	2.16	108	2.00	4.18	
Total Xylenes*	1.56	0.150	04/08/2014	ND	6.29	105	6.00	4.72	
Total BTEX	1.85	0.300	04/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	221 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1710	16.0	04/08/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/08/2014	ND	188	94.2	200	2.05	
DRO >C10-C28	1520	50.0	04/08/2014	ND	206	103	200	1.70	
Surrogate: 1-Chlorooctane	108 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	111 9	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager

Page 3 of 12



Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

04/07/2014

Sampling Date:

04/07/2014

Reported:

04/08/2014

Sampling Type:

Soil

Project Name:

MCA 2 F HEADER

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN

Sample ID: VERTICAL #1 1' (H401054-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2014	ND	2.13	106	2.00	3.71	
Toluene*	<0.050	0.050	04/08/2014	ND	2.17	108	2.00	4.04	
Ethylbenzene*	<0.050	0.050	04/08/2014	ND	2.16	108	2.00	4.18	
Total Xylenes*	<0.150	0.150	04/08/2014	ND	6.29	105	6.00	4.72	
Total BTEX	<0.300	0.300	04/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	129 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/08/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	04/08/2014	ND	188	94.2	200	2.05	
DRO >C10-C28	1460	100	04/08/2014	ND	206	103	200	1.70	
Surrogate: 1-Chlorooctane	102 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	169 %	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager

Celey & Keene

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Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received:

04/07/2014

Sampling Date:

04/07/2014

Reported:

OTEV 00340

04/08/2014

Sampling Type:

Soil

Project Name:

MCA 2 F HEADER

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN

Sample ID: VERTICAL #2 SURFACE (H401054-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2014	ND	2.13	106	2.00	3.71	
Toluene*	<0.050	0.050	04/08/2014	ND	2.17	108	2.00	4.04	
Ethylbenzene*	< 0.050	0.050	04/08/2014	ND	2.16	108	2.00	4.18	
Total Xylenes*	<0.150	0.150	04/08/2014	ND	6.29	105	6.00	4.72	
Total BTEX	<0.300	0.300	04/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	118 9	% 89.4-12	6		_				
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32800	16.0	04/08/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/08/2014	ND	188	94.2	200	2.05	
DRO >C10-C28	463	10.0	04/08/2014	ND	206	103	200	1.70	
Surrogate: 1-Chlorooctane	96.6	% 65.2-14	10				.		
Surrogate: 1-Chlorooctadecane	96.9	% 63.6-15	i <i>4</i>						

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Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

04/07/2014

Sampling Date:

04/07/2014

Reported:

04/08/2014 MCA 2 F HEADER

Sampling Type:

Soil

Project Name: Project Number:

NONE GIVEN

Sampling Condition:

Cool & Intact

Project Number:
Project Location:

NONE GIVEN

Sample Received By:

Jodi Henson

Sample ID: VERTICAL #2 1' (H401054-05)

BTEX 8021B

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2014	ND	2.13	106	2.00	3.71	
Toluene*	<0.050	0.050	04/08/2014	ND	2.17	108	2.00	4.04	
Ethylbenzene*	<0.050	0.050	04/08/2014	ND	2.16	108	2.00	4.18	
Total Xylenes*	<0.150	0.150	04/08/2014	ND	6.29	105	6.00	4.72	
Total BTEX	<0.300	0.300	04/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	118 9	% 89.4-12	6					-	
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	04/08/2014	ND	416	104	400	0.00	
Chloride TPH 8015M	3360 mg/		, ,	ND d By: ms	416	104	400	0.00	
			, ,		416 BS	104 % Recovery	400 True Value QC	0.00 RPD	Qualifier
TPH 8015M	mg/	kg	Analyze	d By: ms					Qualifier
TPH 8015M Analyte	mg/ Result	Reporting Limit	Analyze Analyzed	d By: ms Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte GRO C6-C10	Result	Reporting Limit 10.0 10.0	Analyzed 04/08/2014 04/08/2014	Method Blank	BS 188	% Recovery 94.2	True Value QC 200	RPD 2.05	Qualifier

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Celey & Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received:

04/07/2014

Reported:

04/08/2014

Project Name: Project Number: MCA 2 F HEADER NONE GIVEN

Project Location:

NONE GIVEN

Sampling Date:

Sampling Date:

04/07/2014 Soil

Sampling Type: Sampling Condition:

Cool & Intact

Sample Received By:

Cool & Intact

Jodi Henson

Sample ID: VERTICAL #2 3.5' (H401054-06)

BTEX 8021B	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2014	ND	2.13	106	2.00	3.71	
Toluene*	<0.050	0.050	04/08/2014	ND	2.17	108	2.00	4.04	
Ethylbenzene*	<0.050	0.050	04/08/2014	ND	2.16	108	2.00	4.18	
Total Xylenes*	< 0.150	0.150	04/08/2014	ND	6.29	105	6.00	4.72	
Total BTEX	<0.300	0.300	04/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	120 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/l	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/08/2014	ND	416	104	400	0.00	
TPH 8015M	mg/l	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	, Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/08/2014	ND	188	94.2	200	2.05	
DRO >C10-C28	<10.0	10.0	04/08/2014	ND	206	103	200	1.70	
Surrogate: 1-Chlorooctane	112 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	104 %	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY **KYLE NORMAN** 419 W. CAIN HOBBS NM, 88240

(575) 397-1471 Fax To:

Received:

04/07/2014

Sampling Date:

04/07/2014

Reported:

04/08/2014

Sampling Type:

Soil

Project Name:

MCA 2 F HEADER

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN NONE GIVEN Sample Received By:

Jodi Henson

Sample ID: VERTICAL #3 SURFACE (H401054-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2014	ND	2.13	106	2.00	3.71	
Toluene*	<0.050	0.050	04/08/2014	ND	2.17	108	2.00	4.04	
Ethylbenzene*	<0.050	0.050	04/08/2014	ND	2.16	108	2.00	4.18	
Total Xylenes*	<0.150	0.150	04/08/2014	ND	6.29	105	6.00	4.72	
Total BTEX	<0.300	0.300	04/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	118 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15600	16.0	04/08/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms			<u> </u>		S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/08/2014	· ND	188	94.2	200	2.05	
DRO >C10-C28	2940	50.0	04/08/2014	ND	206	103	200	1.70	
Surrogate: 1-Chlorooctane	104 9	65.2-14	10						
Surrogate: 1-Chlorooctadecane	158 9	63.6-15	i4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Celey D. Keine

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Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received: Reported:

BTEX 8021B

Total BTEX

Project Name:

04/07/2014

04/08/2014

MCA 2 F HEADER

Project Number: Project Location: NONE GIVEN NONE GIVEN

mg/kg

Sampling Date:

Sampling Type:

04/07/2014

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: VERTICAL #3 6" (H401054-08)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2014	ND	2.13	106	2.00	3.71	
Toluene*	< 0.050	0.050	04/08/2014	ND	2.17	108	2.00	4.04	
Ethylbenzene*	<0.050	0.050	04/08/2014	ND	2.16	108	2.00	4.18	
Total Xylenes*	< 0.150	0.150	04/08/2014	ND	6.29	105	6.00	4.72	

04/08/2014

Analyzed By: MS

110.07

< 0.300

00 4 136

0.300

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	04/08/2014	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: ms		_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/08/2014	ND	188	94.2	200	2.05	
DRO >C10-C28	<50.0	50.0	04/08/2014	ND	206	103	200	1.70	

ND

Surrogate: 1-Chlorooctane

100 %

65.2-140

Surrogate: I-Chlorooctadecane

96.0%

63.6-154

Cardinal Laboratories

*=Accredited Analyte

All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is, based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keene

Celey D. Keene, Lab Director/Quality Manager

Page 9 of 12



Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

(575) 397-1471

Fax To:

Received:

04/07/2014

Reported:

04/08/2014 MCA 2 F HEADER

Project Name: Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sampling Date:

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

04/07/2014

Jodi Henson

Sample ID: VERTICAL #3 2' (H401054-09)

BTEX 8021B	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2014	ND	2.13	106	2.00	3.71	
Toluene*	<0.050	0.050	04/08/2014	ND	2.17	108	2.00	4.04	
Ethylbenzene*	<0.050	0.050	04/08/2014	ND	2.16	108	2.00	4.18	
Total Xylenes*	<0.150	0.150	04/08/2014	ND	6.29	105	6.00	4.72	
Total BTEX	<0.300	0.300	04/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	120 %	% 89.4-12	6	111111111111111111111111111111111111111					
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/08/2014	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/08/2014	ND	188	94.2	200	2.05	
DRO >C10-C28	127	50.0	04/08/2014	ND	206	103	200	1.70	
Surrogate: 1-Chlorooctane	85.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	90.3	% 63.6-15	4						

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*=Accredited Analyte

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Celey & Keine

Celey D. Keene, Lab Director/Quality Manager

Page 10 of 12



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Celeg D. Keine

Page 11 of 12



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(5/5) 393-2326 FAX (5/5) 393-2476														
Company Name	» REGS	BILL TO			ANALYSIS REQUEST									
Project Manage	" KYLE NORMAN .	P.O. #:												
Address:	, ,			Company:								I		
City:	State:	Zip:		. Attn:					***		ı		X	
Phone #:	Fax #:		Address:									IN'	4	
Project #:	Project Owne		City:									X L	4 1	
Project Name:				State: Zip:							1	\Box	1,1	
Project Location	1: COP MCA ZF HEAD!	<u> </u>		Phone #:			19			1 1			1	
Sampler Name:	EDWARD CESALEC			Fax #:			3		1		_	\sim		
FOR LAB USE ONLY			MATRIX	PRESERV	SAMPLING	7	3	2		V I	1			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE/COOL OTHER:		47	CLORI	1876				3		
	VEDTICALAI Sustace	Q !			4-7-14 10:15	/								
2	VERTICALDI 6	191	1-1-4-1-	44	10:20			4		-			ļļ	
<u>_</u>	YERTICALAI I'	<u> 1</u>			10:25			4		1			-	
	VERTICAL #2 Surface	14:		H + 4	11:50	/		-]-						
	VERTICALAZ I'	91	 	-1-4-	11:55				····					
	VERTICALAZ 35'	<u>Q</u> !	1-1-4-1-	-1-4-	12:00			\mathcal{A}						
	VERTICAL #3 Surface		H + H + H	4	/ 12:50			4					ļ	
	VELTICAL#3 6"	9		44	(12:55			4	I					
9	VERTICAL#3 2'	0		+	1:00									
PLEASE NOTE: Liability and	d Damages. Cardinal's kability and client's exclusive remedy for a	L L	not whether heself in nontrer	for text shall be levined	to the amount raid in the rivert for	<u></u>				<u> </u>				

analyses. All tisims including those for negligence and any other cause whatsoever shall be deemed waived unless made in inditing and received by Cardinal works. 30 days after completion of the opplicable service. Is you event shall Cardinal on liable for incidental or consequents thamages, including without initiation, business litterruptions, toss cruse, or loss of profits incurred by client, in subsidiaries,

officials of suitcessors atoms stiffed a tetaled to the performance of se	ervices herminder by Cardinal Aspandiens of whether sizeh district is besed tipus any of the apove stated free	sumb or officeration.
Relinquished By: \ / D	Date: Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	4-7-14 /ma. H	Fax Result: ☐ Yes ☐ No Add'l Fax #:
	Time: 12- / / /// /// /// ///////////////////	REMARKS:
1-140-6-11100-1-	4.15 WM SWUNDY _ 1	heander wriceswd.com
Refinquished By:	Date: Received By:	Knorman a) rice-ecs. com
n.u.u.	2000 - 0.0000000000000000000000000000000	-
T	lime:	Iwelaniemer a rice-ecs.com
Delivered By: (Circle One)	Sample Condition CHECKED BY:	ecesaceo porice-ecs, com
Sampler - UPS - Bus - Other:	Cool Intact (Hards)	



April 09, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MCA 2 F HEADER

Enclosed are the results of analyses for samples received by the laboratory on 04/08/14 14:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg D. Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

04/08/2014

Sampling Date:

04/08/2014

Reported:

04/09/2014

Sampling Type:

Soil

Project Name:

MCA 2 F HEADER

Sampling Condition:

** (See Notes)

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN

Sample ID: POINT 4 @ SURFACE (H401066-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	04/09/2014	ND	2.19	109	2.00	4.47	
Toluene*	0.430	0.200	04/09/2014	ND	2.09	105	2.00	3.09	
Ethylbenzene*	0.850	0.200	04/09/2014	ND	2.02	101	2.00	3.47	
Total Xylenes*	3.07	0.600	04/09/2014	ND	5.81	96.8	6.00	3.75	
Total BTEX	4.35	1.20	04/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	123 %	% 89.4-12	26						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4280	16.0	04/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	04/09/2014	ND	203	101	200	3.60	
DRO >C10-C28	19600	100	04/09/2014	ND	219	109	200	6.96	
Surrogate: 1-Chlorooctane	152 9	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	648 9	% 63.6-15	i <i>4</i>						

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Keene

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 6



Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY **KYLE NORMAN** 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received:

04/08/2014

Sampling Date:

04/08/2014

Reported:

04/09/2014

Sampling Type:

Soil

Project Name:

MCA 2 F HEADER

Sampling Condition:

** (See Notes)

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN

Sample ID: POINT 4 @ 1' (H401066-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2014	ND	2.19	109	2.00	4.47	
Toluene*	<0.050	0.050	04/09/2014	ND	2.09	105	2.00	3.09	
Ethylbenzene*	< 0.050	0.050	04/09/2014	ND	2.02	101	2.00	3.47	
Total Xylenes*	<0.150	0.150	04/09/2014	ND	5.81	96.8	6.00	3.75	
Total BTEX	<0.300	0.300	04/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1740	16.0	04/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/09/2014	ND	203	101	200	3.60	
DRO >C10-C28	<10.0	10.0	04/09/2014	ND	219	109	200	6.96	
Surrogate: 1-Chlorooctane	119 9	% 65.2-14	0				. "		
Surrogate: 1-Chlorooctadecane	109 5	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 6



Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

04/08/2014

Reported:

04/09/2014

Project Name: Project Number: MCA 2 F HEADER

Project Location:

NONE GIVEN

106 %

63.6-154

Sampling Date:

04/08/2014

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Jodi Henson

Sample ID: POINT 4 @ 2' (H401066-03)

BTEX 8021B	mg	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2014	ND	2.19	109	2.00	4.47	
Toluene*	0.054	0.050	04/09/2014	ND	2.09	105	2.00	3.09	
Ethylbenzene*	0.155	0.050	04/09/2014	ND	2.02	101	2.00	3.47	
Total Xylenes*	0.659	0.150	04/09/2014	ND	5.81	96.8	6.00	3.75	
Total BTEX	0.868	0.300	04/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIC	123	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	240	16.0	04/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<50.0	50.0	04/09/2014	ND	203	101	200	3.60	
DRO >C10-C28	<50.0	50.0	04/09/2014	ND	219	109	200	6.96	
Surrogate: 1-Chlorooctane	108	% 65.2-14	0						

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 6



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Celey D. Keine

Page 5 of 6

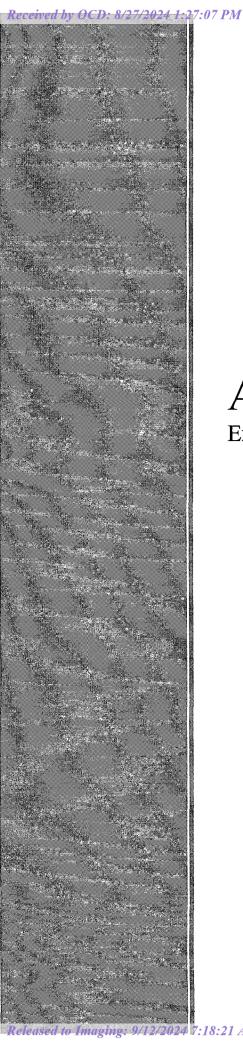


CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

	(505) 393-2326 FAX (505) 393-2	01 F	AX	(325)	673	-7020					,											
Company Name	(NE ·)							BI	LL TO			•			ANAL	YSIS	RE	QUE:	ST			
Project Manager	Kyle Norman					P.0). #:															
Address:						Co	mpar	ıy:							S							
City: Hobbs	State: NM	Zip:	882	40		Att	n:								ō							
Phone #:	Fax #:					Ad	dress	3:	***************************************						7						. 1	
Project #:	Project Owne	r:			,,,,,	Cit	y :			.,	ιΩ	Σ		エ	S							
Project Name:	(0)		·•			Sta	ite:		Zip:		ě	15	×	0	5							
Project Location	1: MCA 2F Header					Ph	one #	l:			Chlorides	8015	BTEX	Texas TPH	aţi	TDS						
Sampler Name:	Chris Flows					Fa	x #:				1 2	\ ~	В	xa	Ö	-					. [
FOR LAB USE ONLY	FOR LAB USE ONLY MATR								SAMPL	NG	Image: contained and image: contained	TPT		<u>(a)</u>	te e							
Lab 1.D. H4010d6	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	WASTEWATER SOIL	OIL	OTHER;	ACID/BASE.	OTHER;	DATE	TIME				•	Complete Cations/Anions							
)	Point 4 @ Surface	G	1					/	4-8-14	1:35 900	X	×	۶									
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Relinguished By:	Date: Received By:	Phone Result: Yes No Add'i Phone #:													
	4-8-14 /10/1 · N/	Fax Result: Yes No Add't Fax #:													
Jan Ham	7:50 Cleu Stenden	REMARKS:													
Relinquished By:	Date: Réceived By:	email results													
1 /		hander													
	Time:														
Balling (Circle One)	Sample Condition CHECKED B	+- Knormand Ctloresa													
Delivered By: (Circle One)	Sample Condition CHECKED B' Cool Intact (Intact)	1 una himala													
Sampler - UPS - Bus - Other:	Yes Yes	weinheimer@ samplestaken & brought													
Camples - OF 3 - Dus - Other:	D No D No	our charge our charges													
† Cardinal cannot accept veri	bal changes. Please fax written changes to 505-393-2476	directly to late													



Appendix C Excavation Sampling Labs

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967

Released to Imaging: 9/12/2024 7:18:21 AM



May 22, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MCA 2 F HEADER

Enclosed are the results of analyses for samples received by the laboratory on 05/21/14 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg D. Keens

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

05/21/2014

Reported: Project Name: 05/22/2014 MCA 2 F HEADER

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sampling Date:

05/21/2014

Sampling Type:

Soil Cool & Intact

Sampling Condition: Sample Received By:

Jodi Henson

Sample ID: EXC. #1 BTTM SAMPLE GRAB @ 1.5' (H401564-01)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2014	ND	2.26	113	2.00	2.72	
Toluene*	<0.050	0.050	05/22/2014	ND	2.21	111	2.00	2.27	
Ethylbenzene*	<0.050	0.050	05/22/2014	ND	2.14	107	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/22/2014	ND	6.72	112	6.00	2.43	
Total BTEX	<0.300	0.300	05/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	% 89.4-12	16							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/22/2014	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/22/2014	ND	202	101	200	3.08	
DRO >C10-C28	<10.0	10.0	05/22/2014	ND	219	110	200	5.82	
Surrogate: 1-Chlorooctane	103	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	102	% 63.6-15	4						

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 2 of 7



Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY **KYLE NORMAN** 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received:

05/21/2014

Sampling Date:

05/21/2014

Reported:

RTEV COSTD

05/22/2014

Sampling Type:

Soil

Project Name:

MCA 2 F HEADER

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Project Location:

NONE GIVEN

Jodi Henson

Sample ID: EXC. #2 BTTM SAMPLE GRAB @ 2.5' (H401564-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2014	ND	2.26	113	2.00	2.72	
Toluene*	<0.050	0.050	05/22/2014	ND	2.21	111	2.00	2.27	
Ethylbenzene*	< 0.050	0.050	05/22/2014	ND	2.14	107	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/22/2014	ND	6.72	112	6.00	2.43	
Total BTEX	<0.300	0.300	05/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIE	102 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/22/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/22/2014	ND	202	101	200	3.08	
DRO >C10-C28	65.4	10.0	05/22/2014	ND	219	110	200	5.82	
Surrogate: 1-Chlorooctane	105 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	106 9	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager

Page 3 of 7



Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received:

05/21/2014

Sampling Date:

05/21/2014

Reported:

05/22/2014

Sampling Type:

Soil

Project Name:

MCA 2 F HEADER

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN

Sample ID: EXC. #3 BTTM SAMPLE GRAB @ 1' (H401564-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2014	ND	2.26	113	2.00	2.72	
Toluene*	<0.050	0.050	05/22/2014	ND	2.21	111	2.00	2.27	
Ethylbenzene*	< 0.050	0.050	05/22/2014	ND	2.14	107	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/22/2014	ND	6.72	112	6.00	2.43	
Total BTEX	<0.300	0.300	05/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIC	101 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/22/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/22/2014	ND	202	101	200	3.08	
DRO >C10-C28	45.8	10.0	05/22/2014	ND	219	110	200	5.82	
Surrogate: 1-Chlorooctane	114 9	65.2-14	0				-		
Surrogate: 1-Chlorooctadecane	115 %	63.6-15	4						

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Page 4 of 7



Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received:

05/21/2014

Sampling Date:

05/21/2014

Reported:

05/22/2014

Soil

Droject M-

DTEV 9031B

5/22/2014 5/22/2014 Sampling Type: Sampling Condition:

Cool & Intact

Project Name: Project Number: MCA 2 F HEADER NONE GIVEN

ma /lea

Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN

Sample ID: EXC. #4 BTTM SAMPLE GRAB @ 2.5' (H401564-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2014	ND	2.26	113	2.00	2.72	
Toluene*	< 0.050	0.050	05/22/2014	ND	2.21	111	2.00	2.27	
Ethylbenzene*	<0.050	0.050	05/22/2014	ND	2.14	107	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/22/2014	ND	6.72	112	6.00	2.43	
Total BTEX	<0.300	0.300	05/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 %	6 89.4-12	16		-				
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/22/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/22/2014	ND	202	101	200	3.08	
DRO >C10-C28	<10.0	10.0	05/22/2014	ND	219	110	200	5.82	
Surrogate: 1-Chlorooctane	111 %	65.2-14	10						-
Surrogate: 1-Chlorooctadecane	110 %	63.6-15	i <i>4</i>						

Applymed By MC

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Celey D. Keene, Lab Director/Quality Manager

Page 5 of 7

ND



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Analyte NOT DETECTED at or above the reporting limit

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine

Page 6 of 7



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

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Project Manage	r: Laura Flores الم	e Nome							2.0	. #:																
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2415



May 28, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MCA 2 F HEADER

Enclosed are the results of analyses for samples received by the laboratory on 05/27/14 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg & Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Page 1 of 4



Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

(575) 397-1471 Fax To:

Received:

05/27/2014

Sampling Date:

05/27/2014

Reported:

05/28/2014

Sampling Type:

Soil

Project Name: Project Number: MCA 2 F HEADER NONE GIVEN

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN

Sample ID: IMPORTED BASE COARSE (H401623-01)

Chloride, SM4500Cl-B

Chloride

Chloride

mg/kg

Analyzed By: AP

Analyte

Reporting Limit Result

112

Result

<16.0

16.0

Reporting Limit

16.0

Analyzed 05/28/2014

Analyzed

05/28/2014

Method Blank ND

BS 416 % Recovery 104

104

True Value QC 400

RPD

3.77

Qualifier

Sample ID: IMPORTED TOP SOIL (H401623-02)

Chloride, SM4500CI-B

Analyte

mg/kg

Analyzed By: AP

Method Blank

ND

BS % Recovery

416

True Value QC 400

RPD

Qualifier 0.00

Cardinal Laboratories *=Accredited Analyte

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Page 2 of 4

ND



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Analyte NOT DETECTED at or above the reporting limit

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Page 3 of 4

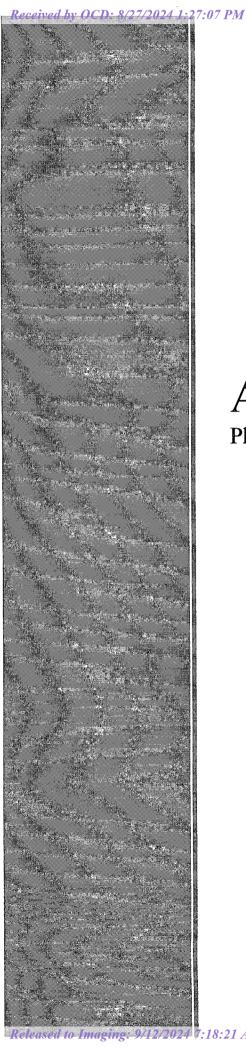


CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Mariand, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company name	5. Sec. 5. Sec								C. 22		302	E IU		·				MIAM	-1212	NE	UUE	7 1			
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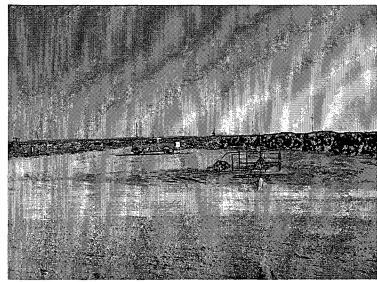
f Cardinal cannot accept verbal changes. Please fax written changes to 505-393-240



Appendix D Photo Documentation

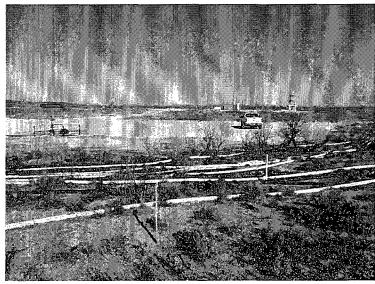
RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967

ConocoPhillips MCA 2F Header Unit Letter J, Section 27, T17S, R32E



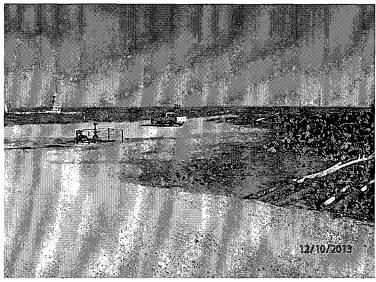
Initial site photo, facing east

12/10/13



Initial site photo, facing north

12/10/13



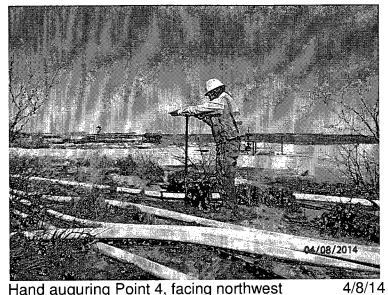
Initial site photo, facing northeast

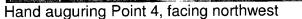
12/10/13



Installing verticals, facing northwest

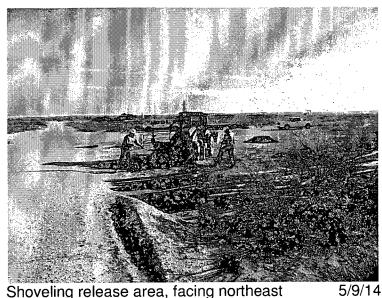
4/7/14







Sampling the hand shoveled scrape, facing west 5/15/14

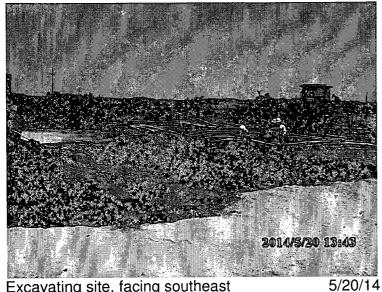


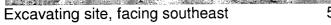
Shoveling release area, facing northeast

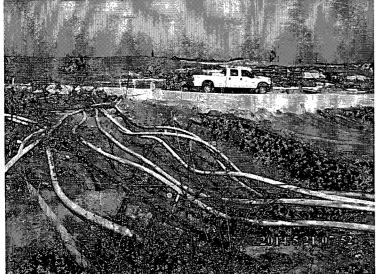


Excavating site, facing northeast

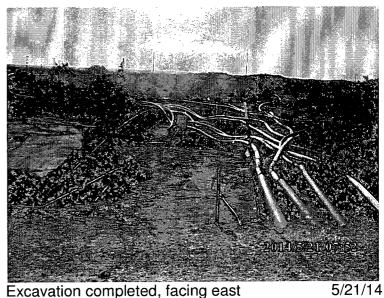
5/20/14







Excavation completed, facing west 5/21/14

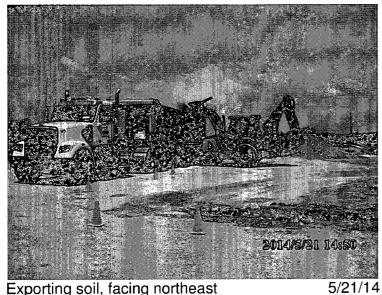


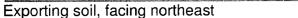
Excavation completed, facing east



Excavation completed, facing east

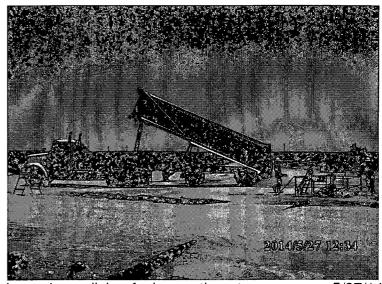
5/21/14





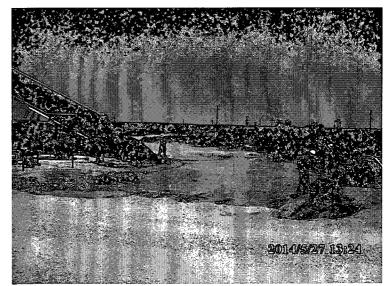


5/27/14 Backfilling site, facing northeast



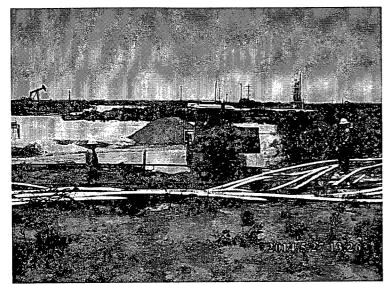
Importing caliche, facing northeast

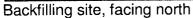




Importing top soil, facing northeast

5/27/14



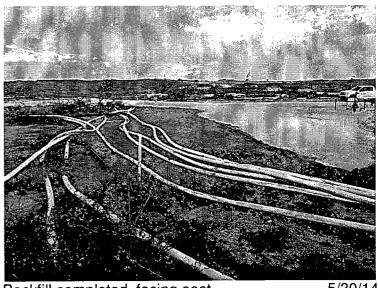


5/27/14



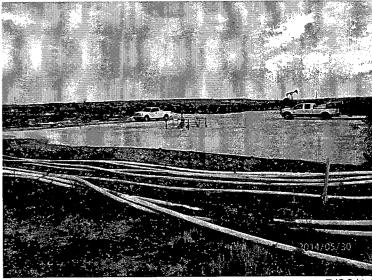
Backfill completed, facing east

5/30/14



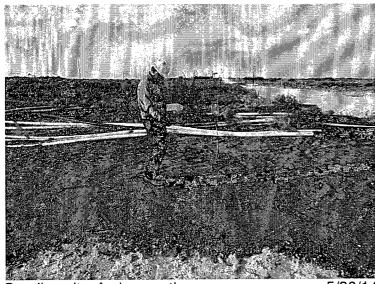
Backfill completed, facing east

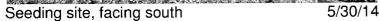
5/30/14

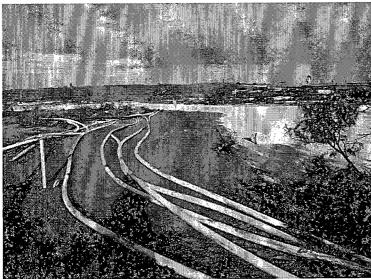


Backfill completed, facing northwest

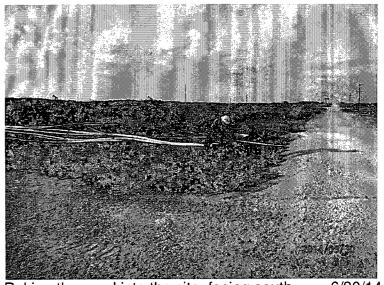
5/30/14







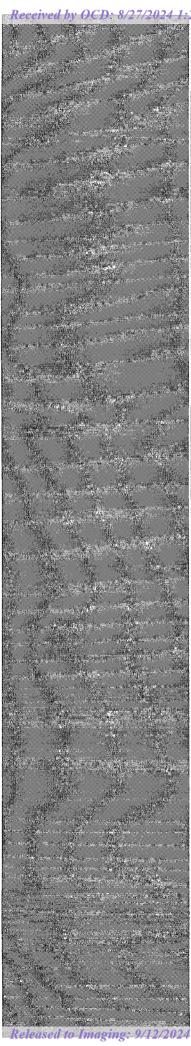
Site completed, facing east 5/30/14



Raking the seed into the site, facing south 6/30/14



Site completed, facing west 5/30/14



Appendix E Final C-141

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967

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
Listrict IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Santa Fe, NM 87505												
Release Notification and Corrective Action												
						OPERA?	ΓOR	ĺ	Initia	al Report	\square	Final Report
Name of Company ConocoPhillips C						Contact						
Address 29 Vacuum Complex Lane T							No.					
Facility Nam	e MCA	A 2F Header				Facility Typ	e Header					
Surface Own	er BLM			Mineral (Owner	BLM			API No	300250	0718	
				LOCA	ATIO	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/W	est Line	County		
J	J 27 17S 32E 1980 Se			South	1980	Ea	ıst	Lea	·			
•			Latitude	e_32.80370756	42669_	Longitud	le103.752155	401928				
				NAT	ri ida ir	OF RELI						•
Type of Releas	se Spill			11(A.)	UKE		Release 11.7 Bl	RIS T	Volume I	Recovered	5 RRI	9
Source of Rele		h steel flow l	ine				Hour of Occurrence			Hour of Dis		
			•			10/17/13	7:20 am					
Was Immediat	te Notice C		Yes [] No 🔲 Not R	equired.	If YES, To Trisha Bad	Whom? Bear/Geoffrey L	eking				
By Whom? D	avid Mav					Date and F	Hour 10/18/13 2	2:50 pm				
Was a Waterco						If YES, Volume Impacting the Watercourse.						
			Yes 🛚	No.								
If a Watercour	se was Im	pacted, Descr	ibe Fully.	*	•							
Describe Caus	e of Proble	em and Reme	dial Actio	n Taken.* Relea	ise was o	caused by exte	ernal corrosion. A	Abandone	d line was	s connected	to a 12	" trunk line
with a butterfly	y valve tha	at was leaking	g. Line wa	s disconnected fr	om butte	erfly valve an	d was replaced wi	ith ball v	alve plug.			
Describe Area	Affected a	and Cleanup. er 10 th 2013 t	Action Tal	ken.* The release	affected	a total of 3,485	5 square feet of lea and mapped. Beg	se pad an	d pasture l	and. RECS	personr	tel were on
release area we	re sampled	at the surface	and with o	lepth. The sample	s were fi	eld tested for o	chlorides and organ	nic vapors	s, and repre	esentative sa	mples v	vere taken to a
commercial lab	oratory for	analysis. Bas	sed on the l	aboratory data, a (Correctiv	e Action Plan	(CAP) was submit	ted to NN	10CD and	BLM on Ar	oril 15 th	2014. BLM
approved the C	AP on Apr	il 16 ^m , 2014 a	nd NMOC	D approved the CA	AP on Ap	oril 22 ^{na} , 2014.	BLM had one stip ite on May 9 th , 201	pulation a	s part of th	eir approva	l. They	stated that
							a NMOCD appro					
							boratory for analy					
							cubic yards of top					
composite samp	ple from th	e imported bas	se coarse coarse of 1.3	aliche and the imp	orted top	soil were take	en to a commercial ned a laboratory ch	laborator	y for analy	ysis. The im	ported b	pase coarse
RECS requeste	d permission	on to backfill t	he site from	n NMOCD and Bl	LM. BL	M approved th	e site to be backfil	led on Ma	ay 23 rd , 20	14, and NM	OCD ap	proved the
site to be backf	filled on Ma	ау 27 th , 2014.	The pastur	e area was backfil	led with	the imported t	op soil and the leas	se pad wa	s backfille	d with the ir	nported	base coarse
			neir surroui	nding locations. C	n May 3	0° , 2014, the s	scraped pasture are	ea and the	adjacent a	reas with lit	tle vege	tation were
	seeded with BLM mix #2. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and					ules and						
regulations all	operators	are required t	o report a	nd/or file certain	release n	otifications a	nd perform correc	ctive acti	ons for rel	eases which	n may e	ndanger
							arked as "Final R					
							ion that pose a thr					
	or the environment. In addition, NMOCD 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.					, 04.141						
1 (//					OIL CON	SERV.	ATION	DIVISI	NC			
Signature:	Jan-	100										
Printed Name:	SEAN	LIGER	USON			Approved by	Environmental S	pecialist				
Title:	ELATION	5 5	PENS	ik		Approval Da	te:	E	Expiration	Date:		·
E-mail Addres	s: 50	N. 1. 16	BENGN	Op, Com		Conditions o	f Approval:			Attache	d 🗀	
Date: 1/2	2/14		Phone	: 575-390-88	73			•			ب 	·
* Attach Additi	ional Shee	ets If Necess										



APPENDIX C

Photographic Log



Photographic Log Maverick Permian, LLC MCA Unit #184 Incident Number NSAP0230953082





Photograph 1 Date: 8-22-2024

Description: Historical release area

View: Southeast

Photograph 2 Date: 8-22-2024

Description: Historical release area

View: Northeast





Photograph 3 Date: 8-22-2024

Description: Historical release area

View: East

Photograph 4 Date: 8-22-2024

Description: Historical release area

View: South

<u>District I</u> 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**

QUESTIONS

Action 378356

QUESTIONS

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	378356
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites		
Incident ID (n#)	nSAP0230953082	
Incident Name	NSAP0230953082 MCA UNIT #184 @ 30-025-00718	
Incident Type	Produced Water Release	
Incident Status	Remediation Closure Report Received	
Incident Well	[30-025-00718] MCA UNIT #184	

Location of Release Source			
Please answer all the questions in this group.			
Site Name MCA UNIT #184			
Date Release Discovered	09/12/2002		
Surface Owner	Federal		

Incident Details			
Please answer all the questions in this group.			
Incident Type	Produced Water Release		
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	Yes		
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 for the volumes provided should be attached to the follow-up C-141 submission.				
Crude Oil Released (bbls) Details	Not answered.			
Produced Water Released (bbls) Details	Cause: Produced Water Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.			
Is the concentration of chloride in the produced water >10,000 mg/l	No			
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.			

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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District III
1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

QUESTIONS, Page 2

Action 378356

<u>District IV</u> 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	a Fe, NM 87505			
QUEST	IONS (continued)			
Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199 Action Number: 378356 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)			
QUESTIONS	[O TT] Temodatem electro request 0 TT (O TT V electro)			
Nature and Volume of Release (continued)				
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as 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: (2) an unauthorized release of a volume that: (b) may with reasonable probability reach a watercourse.			
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	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 summediately unless the summediately unless they could create a summ	safety 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.			
	I liation 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 avaluation in the follow-up C-141 submission.			
to report and/or file certain release notifications and perform corrective actions for relethe OCD does not relieve the operator of liability should their operations have failed to	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 it 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: Aimee Cole Email: acole@ensolum.com			

Date: 08/27/2024

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**

QUESTIONS, Page 3

Action 378356

QUESTIONS (continued)

Operator:	OGRID:		
Maverick Permian LLC	331199		
1000 Main Street, Suite 2900	Action Number:		
Houston, TX 77002	378356		
	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 approval and beyond). 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 in feet below ground surface (ft bgs)	Between 75 and 100 (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 and the following surface areas:				
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)			
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)			
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)			
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)			
Any other fresh water well or spring	Between ½ and 1 (mi.)			
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)			
A wetland	Between 1 and 5 (mi.)			
A subsurface mine	Between 1000 (ft.) and ½ (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	Yes			

Yes ociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. Yes No
ociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. Yes
Yes
No
ams per kilograms.)
112
65.4
65.4
0
0
orts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
05/09/2014
05/21/2014
05/21/2014
0
0
0
0
e of submission and may (be) change(d) over time as more remediation efforts are completed.

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

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

<u>District II</u> 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

QUESTIONS, Page 4

Action 378356

QUESTIONS (continued)

Operator:	OGRID:		
Maverick Permian LLC	331199		
1000 Main Street, Suite 2900	Action Number:		
Houston, TX 77002	378356		
	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.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	R360 ARTESIA LLC LANDFARM [fEEM0112340644]	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	Not answered.	
OR is the off-site disposal site, to be used, an NMED facility	Not answered.	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No	
(In Situ) Soil Vapor Extraction	No	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No	
Ground Water Abatement pursuant to 19.15.30 NMAC	No	
OTHER (Non-listed remedial process) No		

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: Aimee Cole Email: acole@ensolum.com Date: 08/27/2024

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.

District I
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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 5

Action 378356

QUESTIONS (continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	378356
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

<u>District II</u> 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

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Action 378356

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Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	378356
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	378412
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/21/2014
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	3485

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
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	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	0	
What was the total volume (cubic yards) remediated	0	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	0	
What was the total volume (in cubic yards) reclaimed	0	
Summarize any additional remediation activities not included by answers (above)	Incident Number NTO1419639129 encompassed the release area for the subject Incident Number NSAP0230953082. Based on the historical remediation activities and subsequent closure approval for Incident Number NTO1419639129, Maverick is requesting closure for Incident Number NSAP0230953082.	

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 (in .pdf format) 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.

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.

Name: Aimee Cole
I hereby agree and sign off to the above statement
Email: acole@ensolum.com
Date: 08/27/2024

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Action 378356

QUESTIONS (continued)

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	378356
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 378356

CONDITIONS

Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	378356
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation closure approved.	9/12/2024
amaxwell	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	9/12/2024
amaxwell	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	9/12/2024