Closure Report

Site Description			
Site Name:	Hayhurst NM Frac Pad 6		
Company:	Chevron USA		
Legal Description:	U/L F, Section 16, T26S, R28E		
County:	Eddy County, NM		
GPS Coordinates:	N 32.07784 W-104.16465		

Release Data			
Date of Release:	9/15/18		
Type of Release:	Produced water		
Source of Release:	Damaged flat hose line		
Volume of Release:	176 bbls		
Volume Recovered:	0 bbls		

Remediation Specifications				
Remediation Parameters:	Excavated the ar Excavated the ar	eas of SP1-SP3 & SP6 to a depth of 1 ft. eas of SP4, SP7-SP10, & SP12 to a depth of 2 ft. eas of SP5 & SP13 to a depth of 4 ft. Excavated to a depth of 3ft. Obtained confirmation samples. ith clean soil.		
Remediation Activities:	5/21/19 to 6/7/19			
Plan Sent to OCD:	12/7/18 Email from Cliff Brunson to Mike Bratcher			
OCD Approval of Plan:	2/7/19 Email from Mike Bratcher to Cliff Brunson			
Plan Sent to SLO:	12/7/18 Email from Cliff Brunson to Ryan Mann			
SLO Approval of Plan:	12/14/18	Email from Ryan Mann to Cliff Brunson		

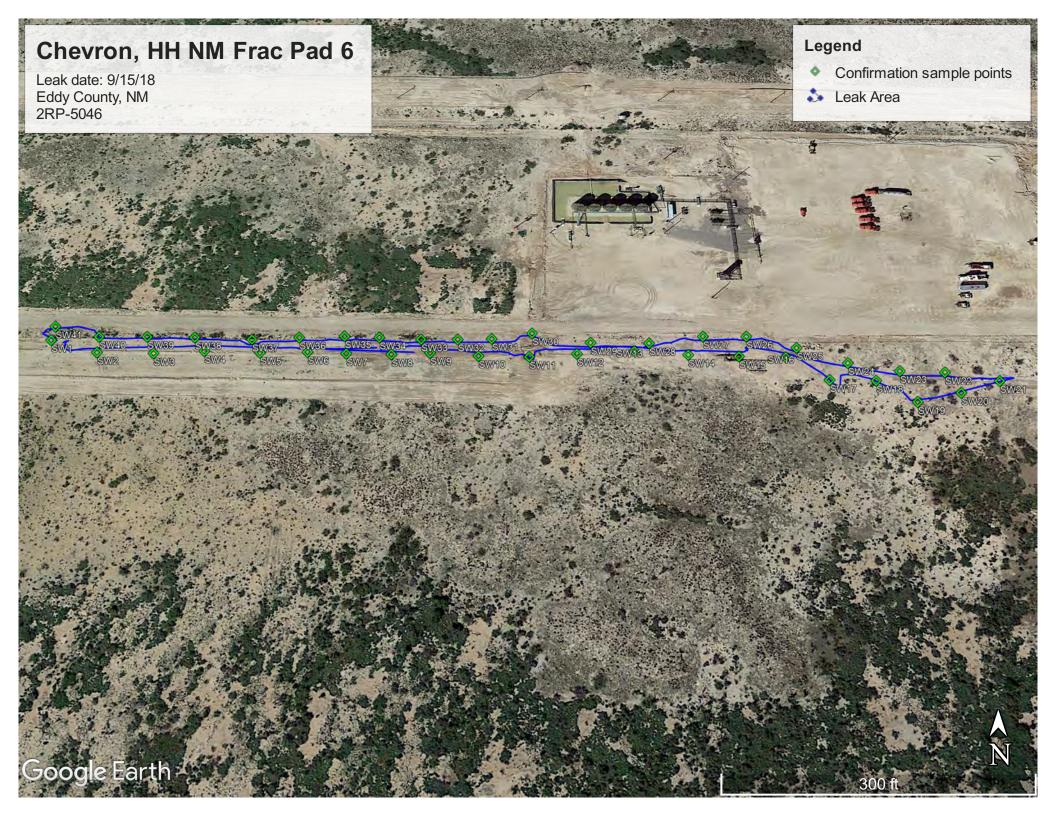
Supporting Documentation			
Initial C-141	Signed 9/26/18		
C-141, page 6	Signed and included		
Site Diagram	December 2018		
Pictures	Remediation pictures prior to and after backfill		

Request for Closure

Based on the completion of the remediation plan, BBC International, Inc. requests closure approval from NMOCD.

Cliff Brunson, President, BBC International, Inc.

06/21/2019



Chevron, HH NM Frac Pad 6

Sample points

SP1, N 32.07772 W-104.16302 SP2, N 32.07770 W-104.16330 SP3, N 32.07777 W-104.16364 SP4, N 32.07786 W-104.16399 SP5, N 32.07785 W-104.16434 SP6, N 32.07784 W-104.16465 SP7, N 32.07784 W-104.16489 SP8, N 32.07784 W-104.16512 SP9, N 32.07785 W-104.16539 SP10, N 32.07785 W-104.16568 SP11, N 32.07785 W-104.16594 SP12, N 32.07785 W-104.16621 SP13, N 32.07786 W-104.16650 NORTH, N 32.07792 W-104.16385 SOUTH, N 32.07761 W-104.16333 EAST, N 32.07740 W-104.16290 WEST, N 32.07789 W-104.16670

Confirmation sample points

SW1, N 32.07786 W-104.16663 SW2, N 32.07781 W-104.16644 SW3, N 32.07781 W-104.16622 SW4, N 32.07782 W-104.16603 SW5, N 32.07781 W-104.16582 SW6, N 32.07782 W-104.16563 SW7, N 32.07781 W-104.16548 SW8, N 32.07781 W-104.16531 SW9, N 32.07782 W-104.16516 SW10, N 32.07781 W-104.16498

SW11, N 32.07781 W-104.16478 SW12, N 32.07782 W-104.16460 SW13. N 32.07784 W-104.16437 SW14, N 32.07782 W-104.16416 SW15. N 32.07782 W-104.16397 SW16, N 32.07781 W-104.16379 SW17, N 32.07772 W-104.16363 SW18, N 32.07772 W-104.16345 SW19, N 32.07764 W-104.16331 SW20, N 32.07768 W-104.16314 SW21, N 32.07772 W-104.16298 SW22, N 32.07776 W-104.16318 SW23, N 32.07776 W-104.16336 SW24, N 32.07779 W-104.16355 SW25, N 32.07785 W-104.16374 SW26, N 32.07790 W-104.16393 SW27, N 32.07790 W-104.16410 SW28, N 32.07787 W-104.16431 SW29, N 32.07787 W-104.16454 SW30, N 32.07790 W-104.16477 SW31, N 32.07788 W-104.16493 SW32, N 32.07787 W-104.16506 SW33, N 32.07787 W-104.16520 SW34, N 32.07788 W-104.16536 SW35, N 32.07789 W-104.16550 SW36, N 32.07788 W-104.16567 SW37, N 32.07787 W-104.16585 SW38, N 32.07787 W-104.16608 SW39, N 32.07788 W-104.16626 SW40, N 32.07788 W-104.16645 SW41, N 32.07792 W-104.16663































Laboratory Analytical Results Summary HH NM FRAC PAD 6 PKG 4 WTC (9/15/18)

		Sample ID	SIDEWALL 1
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		144

		Sample ID	SIDEWALL 2
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		128

		Sample ID	SIDEWALL 3
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		144

		Sample ID	SIDEWALL 4
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		112

		Sample ID	SIDEWALL 5
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		144

		Sample ID	SIDEWALL 6
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		96

		Sample ID	SIDEWALL 7
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		128

		Sample ID	SIDEWALL 8
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		112

		Sample ID	SIDEWALL 9
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		112

			SIDEWALL
		Sample ID	10
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		112

		Sample ID	SIDEWALL 11
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		96

			SIDEWALL1
		Sample ID	2
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		112

		Sample ID	SIDEWALL 13
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		96

			SIDEWALL
		Sample ID	14
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		96

		Sample ID	SIDEWALL 15
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		96

			SIDEWALL
		Sample ID	16
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		128
	•		

			SIDEWALL
		Sample ID	17
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		160

		Sample ID	SIDEWALL 18
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		112

		Sample ID	SIDEWALL 19
Analyte	Method	Date	5/29/19
			mg/kg
Chloride	SM4500CI-B		112

			SIDEWALL
		Sample ID	20
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		112

			SIDEWALL
		Sample ID	21
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		96

		Sample ID	SIDEWALL 22
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		96

			SIDEWALL
		Sample ID	23
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		112

			SIDEWALL
		Sample ID	24
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		112

			SIDEWALL
		Sample ID	25
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		112

			SIDEWALL
		Sample ID	26
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		144

			SIDEWALL
		Sample ID	27
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		112

			SIDEWALL
		Sample ID	28
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		128

			SIDEWALL
		Sample ID	29
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		112

			SIDEWALL
		Sample ID	30
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		128

Laboratory Analytical Results Summary HH NM FRAC PAD 6 PKG 4 WTC (9/15/18)

		Sample ID	SIDEWALL 31
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		112

			SIDEWALL
		Sample ID	32
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		128

	Sample ID		SIDEWALL 33
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		96

			SIDEWALL
		Sample ID	34
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		128

			SIDEWALL
		Sample ID	35
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		128

			SIDEWALL
		Sample ID	36
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		144

		Sample ID	SIDEWALL 37
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		144

			SIDEWALL
		Sample ID	38
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		144

		Sample ID	SIDEWALL 39
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		160

			SIDEWALL
		Sample ID	40
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		144

		Sample ID	SIDEWALL 41
Analyte	Method	Date	5/30/19
			mg/kg
Chloride	SM4500CI-B		112



June 01, 2019

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HH NM FRAC PAD 6

Enclosed are the results of analyses for samples received by the laboratory on 05/31/19 14:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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)

Celey D. Keine

Accreditation applies to public drinking water matrices.

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



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

 Received:
 05/31/2019
 Sampling Date:
 05/29/2019

 Reported:
 06/01/2019
 Sampling Type:
 Soil

Project Name: HH NM FRAC PAD 6 Sampling Condition: Cool & Intact
Project Number: PKG 4 WT Sample Received By: Tamara Oldaker

Project Location: EDDY COUNTY, NM

Sample ID: SIDEWALL 1 (H901918-01)

Sample 1D. SIDEWALL 1	(11301310-01	,							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/01/2019	ND	400	100	400	0.00	
Sample ID: SIDEWALL 2	(H901918-02)							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/01/2019	ND	400	100	400	0.00	

Sample ID: SIDEWALL 3 (H901918-03)

Chloride, SM4500CI-B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/01/2019	ND	400	100	400	0.00	

Sample ID: SIDEWALL 4 (H901918-04)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: JH							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/01/2019	ND	400	100	400	0.00		

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/31/2019 Sampling Date: 05/29/2019

Reported: 06/01/2019 Sampling Type: Soil

Project Name: HH NM FRAC PAD 6 Sampling Condition: Cool & Intact
Project Number: PKG 4 WT Sample Received By: Tamara Oldaker

Project Location: EDDY COUNTY, NM

Sample ID: SIDEWALL 5 (H901918-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/01/2019	ND	400	100	400	0.00	

Sample ID: SIDEWALL 6 (H901918-06)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/01/2019	ND	400	100	400	0.00	

Sample ID: SIDEWALL 7 (H901918-07)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/01/2019	ND	400	100	400	0.00	

Sample ID: SIDEWALL 8 (H901918-08)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/01/2019	ND	400	100	400	0.00	

Sample ID: SIDEWALL 9 (H901918-09)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/01/2019	ND	400	100	400	0.00	

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/31/2019 Sampling Date: 05/29/2019

Reported: 06/01/2019 Sampling Type: Soil

Project Name: HH NM FRAC PAD 6 Sampling Condition: Cool & Intact
Project Number: PKG 4 WT Sample Received By: Tamara Oldaker

Project Location: EDDY COUNTY, NM

Sample ID: SIDEWALL 10 (H901918-10)

Chloride, SM4500CI-B	mg,	/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/01/2019	ND	400	100	400	0.00	
Sample ID: SIDEWALL 11	•	•							
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: JH					

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/01/2019	ND	400	100	400	0.00	

Sample ID: SIDEWALL 12 (H901918-12)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/01/2019	ND	400	100	400	0.00	

Sample ID: SIDEWALL 13 (H901918-13)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/01/2019	ND	400	100	400	0.00	

Sample ID: SIDEWALL 14 (H901918-14)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/01/2019	ND	400	100	400	0.00	

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Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/31/2019 Sampling Date: 05/29/2019

Reported: 06/01/2019 Sampling Type: Soil

Project Name: HH NM FRAC PAD 6 Sampling Condition: Cool & Intact Sample Received By: Project Number: PKG 4 WT Tamara Oldaker

Project Location: EDDY COUNTY, NM

Sample ID: SIDEWALL 1!	•	-							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/01/2019	ND	400	100	400	3.92	
Sample ID: SIDEWALL 10	6 (H901918-1	6)							
Sample ID: SIDEWALL 10 Chloride, SM4500Cl-B	-	6) /kg	Analyze	d By: JH					
-	-	-	Analyze Analyzed	d By: JH Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride, SM4500Cl-B	mg	/kg		•	BS 400	% Recovery	True Value QC 400	RPD 0.00	Qualifier

Sample ID: SIDEWALL 17 (H901918-17)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/01/2019	ND	400	100	400	3.92	

Sample ID: SIDEWALL 18 (H901918-18)

Chloride, SM4500CI-B	mg,	/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/01/2019	ND	400	100	400	3.92	

Sample ID: SIDEWALL 19 (H901918-19)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/01/2019	ND	400	100	400	3.92	

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/31/2019 Sampling Date: 05/30/2019

Reported: 06/01/2019 Sampling Type: Soil

Reporting Limit

16.0

Result

96.0

Project Name: HH NM FRAC PAD 6 Sampling Condition: Cool & Intact
Project Number: PKG 4 WT Sample Received By: Tamara Oldaker

Project Location: EDDY COUNTY, NM

Sample ID: SIDEWALL 20 (H901918-20)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/01/2019	ND	400	100	400	3.92	
Sample ID: SIDEWALL 21 ((H901918-2	1)							
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: JH					

Method Blank

ND

BS

400

% Recovery

100

Analyzed

06/01/2019

Sample ID: SIDEWALL 22 (H901918-22)

Analyte

Chloride

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/01/2019	ND	416	104	400	3 92	

Sample ID: SIDEWALL 23 (H901918-23)

Chloride, SM4500CI-B	mg,	/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/01/2019	ND	400	100	400	3.92	

Sample ID: SIDEWALL 24 (H901918-24)

Chloride, SM4500Cl-B	mg,	Analyzed By: JH							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/01/2019	ND	400	100	400	3.92	

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Celey D. Keine

RPD

3.92

True Value QC

400

Qualifier



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/31/2019 Sampling Date: 05/30/2019

Reported: 06/01/2019 Sampling Type: Soil

Project Name: HH NM FRAC PAD 6 Sampling Condition: Cool & Intact Sample Received By: Project Number: PKG 4 WT Tamara Oldaker

Project Location: EDDY COUNTY, NM

Sample ID: SIDEWALL 25	5 (H901918-2	5)							
Chloride, SM4500CI-B	mg	mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/01/2019	ND	400	100	400	3.92	
Sample ID: SIDEWALL 26	5 (H901918-2	6)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/01/2019	ND	400	100	400	3.92	

Sample ID: SIDEWALL 27 (H901918-27)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/01/2019	ND	400	100	400	3.92	

Sample ID: SIDEWALL 28 (H901918-28)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Result Reporting Limit		Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/01/2019	ND	400	100	400	3.92	

Sample ID: SIDEWALL 29 (H901918-29)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/01/2019	ND	400	100	400	3.92	

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/31/2019 Sampling Date: 05/30/2019

Reported: 06/01/2019 Sampling Type: Soil

Project Name: HH NM FRAC PAD 6 Sampling Condition: Cool & Intact
Project Number: PKG 4 WT Sample Received By: Tamara Oldaker

Project Location: EDDY COUNTY, NM

Sample ID: SIDEWALL 30 (H901918-30)

Sample ID: SIDEWALL 30 ((H901918-3	0)							
Chloride, SM4500CI-B	mg	/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/01/2019	ND	400	100	400	3.92	
Sample ID: SIDEWALL 31 ((H901918-3	1)							
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/01/2019	ND	400	100	400	3.92	

Sample ID: SIDEWALL 32 (H901918-32)

Chloride, SM4500Cl-B	mg/kg			d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/01/2019	ND	400	100	400	3.92	

Sample ID: SIDEWALL 33 (H901918-33)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/01/2019	ND	400	100	400	3.92	

Sample ID: SIDEWALL 34 (H901918-34)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/01/2019	ND	400	100	400	3.92	

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/31/2019 Sampling Date: 05/30/2019

Reported: 06/01/2019 Sampling Type: Soil

Project Name: HH NM FRAC PAD 6 Sampling Condition: Cool & Intact Project Number: Sample Received By: PKG 4 WT Tamara Oldaker

Project Location: EDDY COUNTY, NM

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/01/2019	ND	400	100	400	3.92	
Sample ID: SIDEWALL 3	6 (H901918-3	6)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: JH					
	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte	resuit	3	•						

Sample ID: SIDEWALL 37 (H901918-37)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/01/2019	ND	416	104	400	3.92	

Sample ID: SIDEWALL 38 (H901918-38)

Chloride, SM4500Cl-B	, mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/01/2019	ND	416	104	400	3.92	

Sample ID: SIDEWALL 39 (H901918-39)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/01/2019	ND	416	104	400	3.92	

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 05/31/2019 Sampling Date: 05/30/2019

Reported: 06/01/2019 Sampling Type: Soil

Project Name: HH NM FRAC PAD 6 Sampling Condition: Cool & Intact
Project Number: PKG 4 WT Sample Received By: Tamara Oldaker

Project Location: EDDY COUNTY, NM

Sample ID: SIDEWALL 40 (H901918-40)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/01/2019	ND	416	104	400	3.92	

Sample ID: SIDEWALL 41 (H901918-41)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/01/2019	ND	416	104	400	3.92	

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Notes and Definitions

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

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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	e: BBC International, Inc.		BILL TO		ANALYSIS REQUEST
Project Manager:			P.O. #:		
Address: P.C	P.O. Box 805		Company:		
city: Hobbs	State: NM	M Zip: 88241	Attn:		
Phone #: 575-397-6388	Fax #:	Q.	Address:		
Project #:	Project C	vner:	City:		
Project Name:	HH NM Frac Pad 6 pl		State: Zip:		
Project Location:	on:		#	ı	
Sampler Name:	: Roger Hernandez		Fax #:	14	
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	Chlor	
1	SIDEWALL 1	_	۲	11:00AM	
2	SIDEWALL 2	-	5-29-19	11:15 AM	
W	SIDEWALL 3		5-29-19	11:30 AM	
P	SIDEWALL 4		5-29-19	11:45 AM	
5	SIDEWALL 5		5-29-19	12:00 PM	
0	SIDEWALL 6		5-29-19	12:30 PM	
1	SIDEWALL 7		5-29-19	12:40 PM	
00	SIDEWALL 8		5-29-19	12:50 PM	
a	SIDEWALL 9		5-29-19	1:00 PM	
10	SIDEWALL 10	* *	5-29-19	1:10 PM	
PLEASE NOTE: Liability inalyses. All claims incluservice in no event shall iffiliates or successors are	PLEASE NOTE: Liability and Damagets Cardinal's liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the maybes. All claims including those for negligence and any other cause whatsoever shall be deemed varved unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by Clariformania. In the consequence of services hereuridet by Cardinal, regardless of whether such dairs, a based upon any of the above stated to the performance of services hereuridet by Cardinal, regardless of whether such dairs, as based upon any of the above stated to the performance of services hereuridet by Cardinal, regardless of whether such dairs, as based upon any of the above stated to the performance of services hereuridet by Cardinal, regardless of whether such dairs, as based upon any of the above stated to the performance of services hereuridet by Cardinal, regardless of whether such dairs, as a service of the above stated to the performance of services hereuridet by Cardinal, regardless of whether such dairs are serviced to the performance of services hereuridet by Cardinal, regardless of whether such dairs are serviced to the performance of services hereuridet by Cardinal, regardless of whether such dairs are serviced by the services hereuridet by any cardinal service and the services hereuride by a service of a service of the services of the services of the services hereuride by a service of the services o	ly for any claim arising whether based in con iall be deemed waived unless made in writing cluding without limitation, business interruption or by Cardinal, regardless of whether such cli	rract or tort, shall be limited to the amount paid by the client for the and received by Cardinal within 30 days after compelsion of the as ors, loss of use, or loss of profits incurred by client, its subsidiaries in Labased upon any of the above stated reasons or otherwise.	aid by the client for the er completion of the applicable client, its subsidiaries, asons or otherwise	
Relinquished By:	(enander	Received By:	MA	듥	☐ Yes ☐ No Add'I Phone #: ☐ Yes ☐ No Add'I Fax #:
Relinguished By:	M	Received By:	Makel		
Delivered By:	(Circle One)	Sample Condition Cool Intact	유		Ausk !!
Sampler - UPS -	- Bus - Other:	TYPES TYPES	res 4 9 9		

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

Company Name:	e: BBC International, Inc.	al, Inc.		BILL	170	ANALYSIS REQUEST	
Project Manager:	r: Cliff Brunson			P.O. #:		- 1	
Address: P.O.	. Box 805			Company:			
city: Hobbs		State: NM	Zip: 88241	Attn:			
Phone #: 575-	575-397-6388	Fax #: 57	575-397-0397	Address:			
Project #:		Project Owner:	ier:	City:			
Project Name:	Project Name: HH NM Frac Pad 6 pkg 4 WT	okg 4 WT		•	Zip:		
Project Location:	n.			#		e	
Sampler Name:	Roger Hernandez	lez		Fax #:			
FOR LAB USE ONLY			MATRIX	PRESERV.	SAMPLING	110	
Lab I.D.	Sample I.D.	Þ	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	DATE TIME	Chlor	
11	SIDEWALL 11		7	7			
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13	SIDEWALL 13			· Oη	5-29-19 1:40 PM		
14	SIDEWALL 14			ij.	5-29-19 1:50 PM	7	
15	SIDEWALL 15			ý,	5-29-19 2:00 PM	1	
16	SIDEWALL 16			51	5-29-19 2:10 PM	7	
17	SIDEWALL 17			Çī	5-29-19 2:20 PM	\	
18	SIDEWALL 18			OT	5-29-19 2:30 PM	7	
19	SIDEWALL 19			ý,	5-29-19 2:40 PM	1	
20	SIDEWALL 20		4	5	5-30-19 10:50 AM		
PLEASE NOTE: Liability a analyses All claims includ service. In no event shall C affiliates or successors ans	PLEASE NOTE: Lability and Damages Cardinal's lability and clied analyses. All claims including those for negligence and any other or service. In no event shall Cardinal be liable for incidental or consect affiliates or successors arising out of or related to the performance.	ants exclusive remedy for lause whatspever shall quental damages, included of services hereunder b	PLEASE NOTE: Lability and Damages Cardinal's liability and clients exclusive refreety for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed valved unless made in writing and seewed by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without imitation, business interruptions, loss of use, or loss of profits notured by Client, its substitutions. Affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	uract or tort, shall be limited to the grand received by Cardinal withing and received by Cardinal withing ons, loss of use, or loss of profits alarm is based upon any of the ab	hall be limited to the amount paid by the client for to by Cardinal within 30 days after completion of the day Cardinal within 30 days after completion of the e, or loss of profifs incurred by client. Its subsidian upon any of the above stated reasons or otherwise.	t for the opticable of the applicable.	
Relinquished By:	Herpender	Date: 5-30-19 Time: 5:00	Received By:	M	Phone Result: Fax Result: REMARKS:	Result: □ Yes □ No Add'I Phone #: sult: □ Yes □ No Add'I Fax #: KS:	
Relinquished By:	N.	Dates 31-17	Received By:	Mat	1		
Delivered By	Delivered By: (Circle One)	14:10	Sample Condition	3	BY:		
Sampler - UPS	Sampler - UPS - Bus - Other:	4000	Hon Hyes Tyes	Yes (Initials)	(s)		
		1.0	I				

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

Cliff Brunson P.O. #: Box 805 State: NM Zip: 88241 Company: 97-6388 Fax #: 575-397-0397 Address: Project Owner: City: H NM Frac Pad 6 pkg 4 WT State: Zip: Phone #: Phone #:
Company: Company: Company: Company:
State: NM Zip: 88241 Attn: 97-6388 Fax #: 575-397-0397 Address: Project Owner: City: H NM Frac Pad 6 pkg 4 WT State: Zip: Phone #: Phone #:
97-6388
Project Owner: City: H NM Frac Pad 6 pkg 4 WT State: Zip: Phone #:
H NM Frac Pad 6 pkg 4 WT State: Zip: Phone #:
Phone #:
sampler Name: Roger Ferrilationez
MATRIX PRESERV. SAMPLING
le I.D.
SIDEWALL 21 G/
22 SIDEWALL 22
73 SIDEWALL 23 5-30-19 11:25 AM /
24 SIDEWALL 24 5-30-19 11:30 AM /
SIDEWALL 25 5-30-19 11:40 AM
3/ SIDEWALL 26 5-30-19 11:50 AM /
SIDEWALL 27 5-30-19 12:00 PM
28 SIDEWALL 28 5-30-19 12:30 PM /
29 SIDEWALL 29 5-30-19 12:40 PM >
30 SIDEWAII 30 + 5-30-19 12:50 PM

Relinquished By: Relinquished By: ervice. In no event shall Cardinal be liable Rose Hermande Time: Date: 5-30-19 Date: 34-17 14:16 Received By: uptions, loss of use, or loss of profits incurred by client, its subsidiaries, the claim is based upon any of the above stated reasons or cherwise.

Phone Result:
Fax Result:
REMARKS: ☐ Yes

No No

Add'l Phone #: Add'l Fax #:

Cool Intact
Pres Pres Sample Condition CHECKED BY (Initials)

8

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Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

S S S

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	Company Name: BBC International, Inc.	Ç.		BIL	BILL TO			ANALYSIS RE	REQUEST	
Project Manager:	r: Cliff Brunson			P.O. #:						_
Address: P.O. Box 805	. Box 805			Company:						
city: Hobbs		State: NM Zip:	88241	Attn:						
Phone #: 575-397-6388	-	;#: 575-397-0397	397	Address:						
Project #:	Pro	Project Owner:		City:						
Project Name:	Project Name: HH NM Frac Pad 6 pkg 4 WT	TW			Zip:					-
Project Location:	2			Phone #:						
Sampler Name:	Roger Hernandez			Fax #:			1.4			
FOR LAB USE ONLY			MATRIX	PRESERV.	SAMPLING		10			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	GROUNDWATER WASTEWATER SOIL DIL	SLUDGE OTHER: ACID/BASE: CE / COOL OTHER:	DATE	TI ME	Chlor			
31	SIDEWALL 31		1	7	5-30-19	1:00 PM	7			
32	SIDEWALL 32				5-30-19	1:10 PM	7			
23	SIDEWALL 33				5-30-19	1:20 PM	7			
34	SIDEWALL 34				5-30-19	1:30 PM	7			
35	SIDEWALL 35				5-30-19	1:40 PM	7			
26	SIDEWALL 36				5-30-19	1:50 PM	7			
37	SIDEWALL 37				5-30-19	2:00 PM	7			
38	SIDEWALL 38				5-30-19	2:10 PM				
39	SIDEWALL 39				5-30-19	2:20 PM	7			-
to	SIDEWALL 40	₩	4	+	5-30-19	2:30 PM	/			
PLEASE NOTE: Liability analyses All claims includes analyses had been shall to be service in no event shall to	PLEASE NOTE: Liability and Damages. Cardinats liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	lusive remedy for any claim ari hatsoever shall be deemed wa damages, including without lim	sing whether based in contr ved unless made in writing ltation, business interruption	act or tort, shall be limited I and received by Cardinal w ns, loss of use, or loss of pr	to the amount paid within 30 days after ofits incurred by d	by the client for t completion of the lent, its subsidiari	ne applicable es,			L
affiliates or successors ansing Relinquished By:	affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise Relinquished By: Phone Res	te: Rece	Received By:	im is based upon any of the	above stated rea	sons or otherwise Phone Result:	두	Add'l Phone #:		1
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4.2° Hon

Sample Condition
Cool Intact
Cyes Yes
No No

(Initials)

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Relinguished By:

Received By:

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO				ANALYSIS REQUEST	
Project Manager: Cliff Brunson		P.O. #:					
Address: P.O. Box 805		Company:					
City: Hobbs State: NM	Zip: 88241	Attn:					
5-397-6388 Fax #:	Q.	Address:					
	ner:	City:					
ame: HH NM Frac Pad 6 pl		State: Zip:					
Project Location:		#	9				
Sampler Name: Roger Hernandez		Fax #:	d				
FOR LAB USE ONLY	P. MATRIX	PRESERV. SAMPLING					
Lab I.D. Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	Ch10				
4 SIDEWALL 41	7 5	ر ر ا	2:40 PM		1		
**************************************	for any claim arising whether based in contract be deemed waived unless made in writing and ding without limitation, business interruptions, by Cardinal, regardless of whether such claim by Cardinal, regardless of whether such claim	ct or tort, shall be limited to the amount paid by the client for the discernation of the client of the client of the client of the client of the client, is subsidiaries to the client, its subsidiaries is based upon any of the above stated reasons or otherwise.	d by the client for the er completion of the applical client, its subsidiaries, asons or otherwise.	ble .			
Relinquished By: Reciprocal Reciprocal Time: Time			Phone Result: Fax Result: REMARKS:	□ Yes	N 8	Add'l Phone #: Add'l Fax #:	
Circle One)	Received By: Munary of Sample Condition	Tion CHECKED BY:					
Sampler - UPS - Bus - Other:	Tres Pres	(Initials)					

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Form C-141 Page 6

State of New Mexico Oil Conservation Division

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

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Incident ID		
District RP	2RP-5046	
Facility ID		
Application ID		

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Photographs of the remediated site prior to backfill must be notified 2 days prior to liner inspection)	or photos of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropri	riate ODC District office must be notified 2 days prior to final sampling)
Description of remediation activities	
may endanger public health or the environment. The accept should their operations have failed to adequately investigated human health or the environment. In addition, OCD accept compliance with any other federal, state, or local laws and restore, reclaim, and re-vegetate the impacted surface area.	d complete to the best of my knowledge and understand that pursuant to OCD rules file certain release notifications and perform corrective actions for releases which phance of a C-141 report by the OCD does not relieve the operator of liability the and remediate contamination that pose a threat to groundwater, surface water, tance of a C-141 report does not relieve the operator of responsibility for for regulations. The responsible party acknowledges they must substantially to the conditions that existed prior to the release or their final land use in to the OCD when reclamation and re-vegetation are complete. Title: Waste & Water Specialist Date: 432) 687-7108
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsib remediate contamination that poses a threat to groundwater, party of compliance with any other federal, state, or local la	ole party of liability should their operations have failed to adequately investigate and surface water, human health, or the environment nor does not relieve the responsible ws and/or regulations.
Closure Approved by:	Date:
Printed Name:	Title: