

July 9, 2014

Mr. Mike Bratcher NMOCD District 2

AMARILLO 921 North Bivins Amarillo. Texas 79107 Phone 806.467.0607 Fax 806.467.0622 811 S. 1st Street Artesia, NM 88210

Subject:

Remedial Activities and Closure Report

Cimarex Energy

Intrepid 3 Federal Com No. 1 30-015-38979 (2RP-2340)

ARTESIA 408 West Texas Ave. Artesia, New Mexico 88210 Phone 575.746.8768 Fax 575.746.8905

Cimarex Energy (Cimarex) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced Intrepid 3 Federal Com No. 1. The incident description, soil sampling results, remediation activities and closure request are submitted herein.

HOBBS 3I8 East Taylor Street Hobbs, New Mexico 88240 Phone 575.393.426I Fax 575.393.4658

Background Information

MIDLAND 290I State Hwy 349 Midland, Texas 79706 Phone 432.522.2133 Fax 432.522.2180 The Intrepid 3 Fed #1 is located approximately 30 miles southeast of Artesia, New Mexico the legal location for this site is Unit Letter D, Section 3, Township 19 South, and Range 20 East. More specifically the latitude and longitude for this release are 32.695989 North and -103.965168 West.

OKLAHOMA CITY 7700 North Hudson Avenue Suite IO Oklahoma City, Oklahoma 73II6 Phone 405.486.7030 Fax 806.467.0622 According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of the Simona-Bippus complex with 0 to 5 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is comprised of Holocene to middle Pleistocene alluvium. Drainage courses in this area are normally dry. Groundwater in the project vicinity is approximately 150-feet below ground surface (bgs) according to the New Mexico Office of the State Engineer. See Appendix II for the referenced groundwater data.

SAN ANTONIO 13111 Lookout Way San Antonio, Texas 78233 Phone 210.265.8025 Fax 210.568.2191

The ranking for this site is **0** based on the following:

Depth to ground water >100'
Wellhead Protection Area >1000'
Distance to surface water body >1000

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Toll Free: 866.742.0742 www.talonlpe.com

Incident Description

A stuffing box leak caused a release of approximately 4bbls of oil and 9bbls of produced water. 3bbls of oil and 7bbls of produced water were recovered. A backhoe was used to scrape the saturated soil off of the surface of the impacted area. Talon mobilized personnel to perform a site assessment and conduct soil sampling in the impacted area. Laboratory results from the sampling activities is summarized in the table below.

Laboratory Results

See Appendix III for complete report of laboratory results.

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0	39.9	2280	936	33500
S-1	1	ND	96	ND	82.7
S-1 refusal	2	ND	240	ND	64.2
S-2	0	ND	46400	ND	9030
S-2	1	ND	1550	ND	ND
S-2 refusal	2	ND	128	ND	ND

(ND) Analyte Not Detected

Based upon the site ranking of **0**, NMOCD Recommended Remedial Action Levels (RRAL's) are 50 mg/kg for BTEX, 10 mg for Benzene, and 5,000 mg/kg for TPH. The remediation standard is considered to be 1,000 mg/kg for Total Chlorides.

Remedial Actions

- The area in the vicinity of sample location S-1 was excavated to a depth of 1-foot bgs.
- The area in the vicinity of sample location S-2 was excavated to a depth of 2-feet bgs.
- All of the excavated material was hauled to an NMOCD approved solid waste disposal facility.
- The excavation was backfilled with caliche and contoured to match the surrounding location.

Closure

On behalf of Cimarex Energy we respectfully request that no further actions be required and that closure with regard to this release be granted.

If we can provide additional information or be of further assistance, please contact our office at (575)-746-8768.

Respectfully submitted,

TALON/LPE

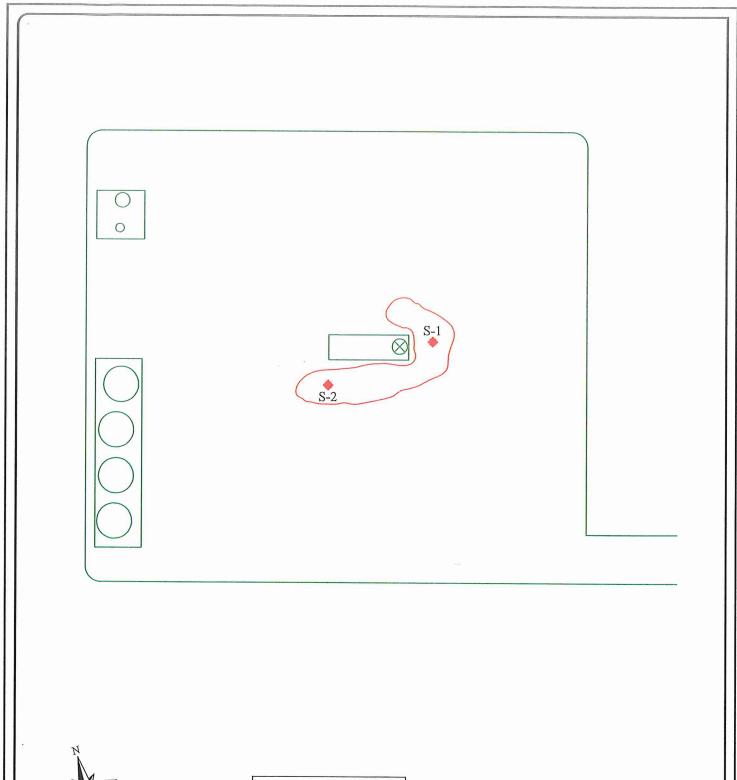
Stelden Hitchcock

Project Manager

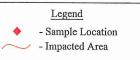
35

David J. Adkins District Manager

SITE PLAN









Date: 07/03/2014

Scale: 1" = 30'

Drawn By: TJS

Intrepid 3 Fed #1 Cimarex Energy Eddy County, New Mexico Figure 1 - Site Plan

GROUNDWATER DATA INITIAL C-141

&

FINAL C-141



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned,

closed)

C=the file is

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

(NAD83 UTM in meters) (quarters are smallest to largest)

(In feet)

	POD				Tech					
	Sub-	QQC	1						Depth	Depth Water
POD Number	Code basin County	64 16 4	Sec	Tws	Rng	Х	Υ	Distance	Well	Water Column
CP 00819	LE	2 4	32	188	30E	594878	3618720*	2040	150	
CP 00818	LE	1 4	26	18S	30E	599289	3620364*	3416	240	
CP 00822	LE	4 4	15	19S	30E	598148	3613516* 🌑	4708	90	

Average Depth to Water:

Minimum Depth:

Maximum Depth:

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 596797

Northing (Y): 3618027

Radius: 5000

^{*}UTM location was derived from PLSS - see Help

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 8751 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

JUN 06 2014

RECEIVED

Form C-141 Revised August 8, 2011

Submit I Copy to appropriate District Office in MMQCD An accordance with 19.15.29 NMAC.

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Release Notification and Corrective Action

nHmp 1416348097	OPERATOR	X Initia	al Report 🔲	Final Report
Name of Company: CIMAREX ENERGY (6283	Contact: James Tinney			
Address: 600 N Marienfeld Ste 600, Midland TX 79701	Telephone No. (575) 706-009			
Facility Name: Intrepid 3 federal 1	Facility Type: Battery-Oil we	11		
Surface Owner Mineral Owner	•	API No	30-015-38979	
LOCATIO	ON OF RELEASE			
		East/West Line	County	
\mathcal{D} 3 19-S 30-E			Eddy	
	00 T 1 102.065160	,]	<u> </u>
	39 _ Longitude -103.965168			
	E OF RELEASE Volume of Release 4 Oil /9 P	W Volume	Recovered 3 Oil /	7 PW
Type of Release : Oil-Produce Water Source of Release Stuffing box packing	Date and Hour of Occurrence		Hour of Discover	
Source of Release Stuffing box packing	6/2/14 @7:00 am	@ 12:00		0,2,2011
Was Immediate Notice Given?	If YES, To Whom? Mike Brat			
X□ Yes □ No □ Not	Jennifer Van Curran BLM	(by email)		-
Required				
By Whom? James Tinney	Date and Hour 6/2/14 @ 1:00			
Was a Watercourse Reached?	If YES, Volume Impacting the	Watercourse.		
☐ Yes x No				•
If a Watercourse was Impacted, Describe Fully.*				1
•				
	•			
Describe Cause of Problem and Remedial Action Taken.*			•	
stuffing box packing leaked .				
·			•	
Describe Area Affected and Cleanup Action Taken.*			-,	
Area around well head 22' wide x 32' long x 1" - 2" deep. Repaired st	uffing box. Picked up standing flui	d and scrapped a	rea with back hoe	to pick up
contaminated soil. Talon to sample affected area.				
			•	
I hereby certify that the information given above is true and complete to	the best of my knowledge and und	lerstand that purs	suant to NMOCD i	ules and
regulations all operators are required to report and/or file certain release	notifications and perform corrective	ve actions for rele	eases which may e	ndanger
public health or the environment. The acceptance of a C-141 report by should their operations have failed to adequately investigate and remedi	the NMOCD marked as "Final Rep	ort" does not reli	eve the operator o	I Hadility
or the environment. In addition, NMOCD acceptance of a C-141 report	does not relieve the operator of res	sponsibility for c	ompliance with an	v other
federal, state, or local laws and/or regulations.		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	F	
	OIL CONSI	ERVATION	DIVISION	
		1/)
Signature: James Tiune4		//		
Printed Name: James Tinney	Approved by Environmental Spe	cialist:	2//	
1 timed (value, James 1 macy				
Title: Production Foreman	Approval Date: le/le/	Expiration	Date: NA	
E-mail Address: jtinney@cimarex.com	Conditions of Approval:			
	Conditions of Approval: Remediation per OCD Rule & G		Attached	
Date: 6/6/2014 Phone: (575) 706-0095	like approval by BLM. <u>SUBMIT R</u>			
Attach Additional Sheets If Necessary	PROPOSAL NO LATER TH	HAN:	ZRP-	-2340

District I
1625 N. French Dr., Hobbs, NM 88240
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1000 Rio Brazos Road, Aztec, NM 87410
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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.

Kelease I	Notification	i and Co	rrective A	ction			
		OPERAT	FOR	☐ Initia	l Report	\boxtimes	Final Report
Name of Company Cimarex Energy		Contact Jam					
Address 600 N Marienfeld Ste 600, Midland TX 79			To. 575-706-009	95			
Facility Name Intrepid 3 Federal #1		Facility Typ	e Battery-Oil w	ell			
	, (!10	_ J1		LADINA	20 015 29	070	1
Surface Owner BLM M	1ineral Owner F	ederai		API No.	30-015-38	919	
	LOCATION	OF REI	LEASE				
Unit Letter Section Township Range Feet fr	om the North/	South Line	Feet from the	East/West Line	County		
D 3 198 30E 250 FI	VL	И	990	W	EDDY		
Latitude_3	2.695989	Longitude	-103.965168				
	NATURE	OF RELI	EASE				
Type of Release Mixed fluids		1	Release 4bbls oil	5			
		9bbls PW			& 7bbls pw		
Source of Release		Date and F. 6/2/14 @ 7	our of Occurrenc	e Date and I	Hour of Disc	overy	Ì
Was Immediate Notice Given?		If YES, To		012114 (10)	12.00 pm		
Yes No [Not Required		n Curran-BLM				
	•		her-NMOCD				
By Whom? James Tinney			lour 6/2/14 @ 1:0				
Was a Watercourse Reached? ☐ Yes ☒ No		If YES, Vo	dume Impacting t	he Watercourse.			
If a Watercourse was Impacted, Describe Fully,*							
Describe Cause of Problem and Remedial Action Taken Stuffing box leaked causing a release of approximately standing fluid. The vacuum truck was able to successful Describe Area Affected and Cleanup Action Taken.* Thruck was utilized to recover the standing fluid and Talo area. Upon receipt of the analytical results from the soil The impacted area was excavated to the depths specified facility, and the excavation was backfilled with caliche.	Abbls of oil and 9th y recover approxone impacted area in the mobilized sampling activities in the work plan	around the w personnel to es a work plar , the contamin	of oil and 7bbls of ell head was appronduct a site asse was generated an aated soil was hau	of produced water, oximately 22-feet vessment and soil saind subsequently applied to an NMOCD	vide by 32-fe upling within proved by the approved so	et Ion n the i e OCD lid wa	g. A vacuum mpacted) and BLM, ste disposal
I hereby certify that the information given above is true regulations all operators are required to report and/or file public health or the environment. The acceptance of a C should their operations have failed to adequately investion the environment. In addition, NMOCD acceptance of federal, state, or local laws and/or regulations.	e certain release n C-141 report by th gate and remediat	otifications a e NMOCD m e contaminat	nd perform correc arked as "Final R on that pose a thr	tive actions for rele eport" does not reli eat to ground water	eases which r eve the opera , surface wat	nay er itor of er, hu	idanger Tiability man health
			OIL CON	SERVATION	DIVISIO	Ŋ	
Signature: Lames lumy	1						
Signature: Temes turning		Annuariad bu	Environmental S	noglafiati			
Printed Name: James Tinney		white ca by	THAIRDINIICHIST 9	ьеовиня!			
Title: Production Foreman		Approval Da	te:	Expiration I	Date:		
E-mail Address; jtinney@cimarex.com		Conditions o	f Approval:		Attached		
Date: Phone: 575-70	16-0095						
* Attach Additional Sheets If Necessary	0023				.1		

LABORATORY RESULTS



June 17, 2014

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: INTREPID 3 FED #1

Enclosed are the results of analyses for samples received by the laboratory on 06/11/14 12:30.

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/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



TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

06/11/2014

Reported:

06/17/2014

Project Name: Project Number: INTREPID 3 FED #1 NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

06/11/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: S-1 0' (H401781-01)

BTEX 8021B	mg/	kg	Analyze	d By: CK					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	06/13/2014	ND	2.10	105	2.00	2.72	
Toluene*	1.27	1.00	06/13/2014	ND	2.25	113	2.00	3.44	
Ethylbenzene*	9.30	1.00	06/13/2014	ND	2.03	102	2.00	3.01	
Total Xylenes*	29.4	3.00	06/13/2014	ND	6.28	105	6.00	3.21	
Total BTEX	39.9	6.00	06/13/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	131 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM			***************************************		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	06/16/2014	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	936	100	06/17/2014	ND	178	88.9	200	3.26	
DRO >C10-C28	33500	100	06/17/2014	ND	186	93.2	200	10.1	
Surrogate: 1-Chlorooctane	130 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	961	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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TALON LPE
SHELDON HITCHCOCK
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:

06/11/2014

Reported:

06/17/2014

Project Name:

INTREPID 3 FED #1

Project Number: Project Location:

NONE GIVEN NOT GIVEN Sampling Date:

06/11/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By: Jodi Henson

Sample ID: S-1 1' (H401781-02)

BTEX 8021B	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2014	ND	2.10	105	2.00	2.72	
Toluene*	<0.050	0.050	06/13/2014	ND	2.25	113	2.00	3.44	
Ethylbenzene*	0.063	0.050	06/13/2014	ND	2.03	102	2.00	3.01	
Total Xylenes*	0.206	0.150	06/13/2014	ND	6.28	105	6.00	3.21	
Total BTEX	<0.300	0.300	06/13/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 9	% 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	06/16/2014	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	06/17/2014	ND	178	88.9	200	3.26	
DRO >C10-C28	82.7	10.0	06/17/2014	ND	186	93.2	200	10.1	
Surrogate: 1-Chlorooctane	68.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	79.0	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905 Fax To:

Received:

06/11/2014

Reported:

06/17/2014

Project Name:

INTREPID 3 FED #1

Project Number: Project Location:

NOT GIVEN

NONE GIVEN

Sampling Date:

06/11/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-1 2' REFUSAL (H401781-03)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2014	ND	2.10	105	2.00	2.72	
Toluene*	<0.050	0.050	06/13/2014	ND	2.25	113	2.00	3.44	
Ethylbenzene*	0.054	0.050	06/13/2014	ND	2.03	102	2.00	3.01	
Total Xylenes*	0.164	0.150	06/13/2014	ND	6.28	105	6.00	3.21	
Total BTEX	<0.300	0,300	06/13/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	108 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/16/2014	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	06/17/2014	ND	178	88.9	200	3.26	
DRO >C10-C28	64.2	10.0	06/17/2014	ND	186	93.2	200	10.1	
Surrogate: 1-Chlorooctane	82.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	94.0	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

06/11/2014

Reported:

06/17/2014

Project Name:

INTREPID 3 FED #1

Project Number: Project Location:

NONE GIVEN

NOT GIVEN

Sampling Date:

06/11/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By: Jodi Henson

Sample ID: S-2 0' (H401781-04)

BTEX 8021B	mg/	kg	Analyze	d By: CK					a
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2014	ND	2.10	105	2.00	2.72	
Toluene*	<0.050	0.050	06/13/2014	ND	2.25	113	2.00	3.44	
Ethylbenzene*	<0.050	0.050	06/13/2014	ND	2.03	102	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/13/2014	ND	6.28	105	6.00	3.21	
Total BTEX	<0.300	0.300	06/13/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 %	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	46400	16.0	06/16/2014	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	<50.0	50.0	06/17/2014	ND	178	88.9	200	3.26	
DRO >C10-C28	9030	50.0	06/17/2014	ND	186	93.2	200	10.1	
Surrogate: 1-Chlorooctane	71.5 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	340 %	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To: (575) 745-8905

Received:

06/11/2014

06/17/2014

Reported: Project Name:

INTREPID 3 FED #1

Project Number: Project Location: NONE GIVEN

Sampling Date:

06/11/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-2 1' (H401781-05)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2014	ND	2.10	105	2.00	2.72	
Toluene*	<0.050	0.050	06/13/2014	ND	2.25	113	2.00	3.44	
Ethylbenzene*	<0.050	0.050	06/13/2014	ND	2.03	102	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/13/2014	ND	6.28	105	6.00	3.21	
Total BTEX	<0.300	0.300	06/13/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 9	% 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	1550	16.0	06/16/2014	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	06/17/2014	ND	178	88.9	200	3.26	
DRO >C10-C28	<10.0	10.0	06/17/2014	ND	186	93.2	200	10.1	
Surrogate: 1-Chlorooctane	70.8	% 65.2-14	0						

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*=Accredited Analyte

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TALON LPE
SHELDON HITCHCOCK
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:

06/11/2014

Reported:

06/17/2014

Project Name:

INTREPID 3 FED #1

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

06/11/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By: Jodi

Jodi Henson

Sample ID: S-2 2' REFUSAL (H401781-06)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2014	ND	2.10	105	2.00	2.72	
Toluene*	<0.050	0.050	06/13/2014	ND	2.25	113	2.00	3.44	
Ethylbenzene*	<0.050	0.050	06/13/2014	ND	2.03	102	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/13/2014	ND	6.28	105	6.00	3.21	
Total BTEX	<0.300	0.300	06/13/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 %	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	128	16.0	06/16/2014	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	06/17/2014	ND	178	88.9	200	3.26	
DRO >C10-C28	<10.0	10.0	06/17/2014	ND	186	93.2	200	10.1	
Surrogate: 1-Chlorooctane	72.0 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	81.5 9	63.6-15	4						

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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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (R7E) 202_2226 FAY (R7E) 393_2476

(212) 200 1 22 1 22 (212)			ANALYSIS BEOLIECT
Company Name: Talon/LPE	analy and a second a second and	13/月号[6]	ANALTOIO ZEGODO:
Project Manager: 5, Hitch (DC)R	P.	P.O. #:	
Address: 408 W. Texas Ave.	00	Company: Talon/LPE	
		Attn:	
Phone #: 575-746-8768 Fax #: 575-746-8905		Address:	
Project #: Project Owner: しょいんてく		City:	
Project Name: in+repid 3 Fed #1	St	State: Zip:	
š	P	Phone #:	
Sampler Name: 5, HITCMCOCK	T	Fax#:	
	MATRIX	PRESERV. SAMPLING	7.5
Lab I.D. Sample I.D.	G)RAB OR (C)OMP. CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER: DATE	TPH BTEX Unlorid
5-10	G /	/ G/11/14 10:40 \	/
26-11	()	1/11/10:43	
1871318 16 1-3 2	G (10,46	
U 5-20	() 9	10:50	
5 5-2 1	G	10:55	
6 5-22 repusal	平	11:00	7
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	The same of the sa	for shall be limited to the amount paid by the client for the	
PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for any claim anding whether based in contract or or, sinus ser minimum an invariance of the splicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in contract and received by Creating which is 0 deemed waived unless made in contract and received by Creating which is 0 deemed waived unless made in contract or or the or free of profile incurred by client is subsidiaries.	iny claim arising whether based in contract or deemed waived unless made in writing and re	control of the property of the second of the second of the second by Cardinal within 30 days after completion of the appearance of the property of the second of the secon	plicable
service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business intstruptions, toss or use, or use or province to the control of the store stated teasors or otherwise. affiliates or successors arising out of or related to the performance of services benefited by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	g without limitation, business interruptions, los bardinal, regardless of whether such claim is t	based upon any of the above stated reasons or otherwise.	Yes
Relinquished By: Date:	Received By:	Fax Result:	□ Yes □ No

5.70

Sample Condition
Cool Intact
Cyes 1 Yes
No 1 No

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

Time:

Received By:

Phone Result:
Fax Result:
REMARKS:

☐ Yes ☐ No