Distnet I				State	e of N	lew Me	xico				Form C-141
1625 N French Dr	1625 N French Dr., Hobbs, NM 88240 Energy Minerals and				nd Natu	ral Resource	es		Re	evised June 10, 2003	
District II											
1301 W Grand Ave	enue, Artesia, NM 8	8210									
Distric III	Distric III Oil Conser					ation D	vivision			Submit 2 C	Copies to appropriate
1000 Rio Brazos Ro	1000 R10 Brazos Road, Aztec, NM 87410 1220 South				uth S	St. Frai	ncis Dr.			District	Office in accordance
District IV Santa Fe				a Fe.	NM 87	7505			wi	th Rule 116 on back	
	1220 S St. Francis Dr., Santa Fe, NM 87505				,	1 11/2 0 /	000			· ·	side of form.
			Rel	ease Notifica	tion	and Co	rrective Ac	tion			
	OF	PERATO							🗌 Initia	Report IFin	al Report
Name of Compa				poration		Contact		Natalie	Gladder		
Address	P.O. Box 1	849	E	unice, NM 88231		Telepho	one No.	575-39	-4186		
Facility Name	····	L	ckhart I	3-14 004		Facility	Туре	Tank B	attery		
Surface Owner	Private	- Lucill	e Bryant	J Mineral	Owne	r				API No. 30	-025-06576
				LOCAT	ION	OF RE	LEASE				
Unit Letter	Section	Tow	nship	Range	Feet	from	Feet from	Longi	tude-W	Latitude-N	County
н	14	2		37E	Nort	h Line	East Line	103	.1283	32,4812	Lea
	14	-							.1205	524012	
				NATUI	RE O						
Type of Release							e of Release		Volume	Recovered	
Crude Oil and		er				Greate	and the second	bbl		0	bbl
Source of Relea		1 *							Date and	and Hour of Discovery	
Produced Wate Was Immediate		viine			·	Unknown Unknown			<u>/n</u>		
was inineurate	YES	ПNO	Г	Not Required		NA					
By Whom?				Inorrequied		Date an	d Hour		····		
Was a Watercou	urse Reached?						Volume Impa	cting the	Watercou	urse	
		YES		М О		NA		Ũ			
If a Watercours	e was Impacted,	Describ	e Fully*								
											i
Describe Cause	of Problem and	Remedi	al Action	Takan *							
1 .				ire and extent of	subsu	rface cont	amination indic	ates signi	ficant pro	oduced water lea	ikage over time.
either from a sto									.		,
Describe Area	Affected and Cle	anup Ac	tion Take	n. *							
		-			carbo	ns, produ	ced water (chlo	rides) and	t iron sulf	fide (from H ₂ S r	eaction with iron
in soil). Remedia											
was closed with a											
I hereby certify that required to report ar											ons all operators are
								•••			igate and remediate
contamination that	pose a threat to grou	ind water,	surface wat	er, human health or	the env	riron ment.	-				t relieve the operator
of responsibility for	compliance with an	y other fee	leral, state,	or local laws and/or	regulat	ions					
	7										
Signature:	hhi	(0-1	Λ			OIL	CONSE	RVATIO	<u>N DIVISION</u>	
<u> </u>	ptale	(J	YOIde	en		-			3-10	shuton	
Printed Name:	ť	Natal	ie Glad	den		Annes	ad by District		AIMEN	TAL ENGIN	
······				·····		Appiov	eu by District	auther visa		IAL LIVUIN	
Title:	Environm	ental Te	ch - Peri	nian Basin Wes	st.	Annmy	al Date: (0.	6.08	Expirati	on Date: 🗕	
E Mail A 11							ons of Approva		RP#17		1
E-Mail Address	: Na	tane.Gla	aa en(a)us	a.apachecorp.con	a		. 1	C			
Date:	9/29/2008	Phone:	5	575-390-4186		1					Attached
	<i>JI & JI &</i> UUO	1 110/10,									

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LOCKHART B-14 004 BATTERY

C141 CLOSURE REPORT

API 30-025-06576

UL-H (SE¼ OF THE NE¼) OF SECTION 14 T21S R37E LATITUDE: N 32° 28.870' LONGITUDE: W 103° 07.700' ~3.5 MILES NE (BEARING 30°) OF EUNICE

LEA COUNTY, NEW MEXICO

NMOCD RP # 1710

September 29, 2008

PROJECT COMPLETED FOR APACHE CORPORATION BY:



Table of Contents

1.0 Project Summary	3
2.0 Site Description	4
2.1 Geological Description	4
2.2 Ecological Description	4
2.3 Area Ground Water	4
2.4 Area Water Wells	4
2.5 Area Surface Water Features	4
3.0 Contaminant and Size of Area	4
4.0 NMOCD Site Ranking	5
5.0 Remediation Process	5

ATTACHMENTS	7-26
Plate 1: Site Location Map	7
Plate 2: Site Topography Map	8
Plate 3: Site Aerial Photograph	9
Plate 4: Ground Water Elevation Contour Map	10
Plate 5: Site Detail Drawing	11
Cardinal Laboratory Analytical Summary Table	12
Cardinal Laboratory Analytical Reports	13-19
Photographs	20-23
Initial NMOCD C-141 (01-09-08)	24
Site Metrics Information	25
Final NMOCD C141 Form	26

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1.0 Project Summary

Release Site Name:	Lockhart B-14 004 Battery				
Operating Company: Apache Corporation					
Company Representative: Natalie Gladden, Environmental Tech Phone: 575-390-4186					
Address: PO Box 1849, Eunice, NM 88231 Email: Natalie.Gladden@usa.apachecorp.com					
Remediation Company:	ELKE Environmental, Inc Hobbs	Phone: 575-738-0138			

SITE SPECIFIC DATA:

Legal Description:	Lea County, Ne	ew Mexico	UL-H Section 14 T21S R37E
General Location:	3.5 miles NE (3	30°) of Eunice	, NM.
Latitude: N32º 28.870'	Longitude: W1	03° 07.700'	Elevation: 3,475-ft amsl
Land Ownership:	Private		
Ground Water Elevation:	>150'		
Water Wells within 1000-ft:	None S	Surface Water	r within 1000-ft: None

RELEASE SPECIFIC DATA:

Date and Time of Release(s):	Unknown (his	torical release)
Material Released:	Crude Oil and	Produced Water
Volume Released:	>25-bbl	Volume Recovered: 0-bbl
Cause of Release:	Leaking storag	ge tank and/or flow line
Release Affected Area:	~5,625-ft ² (75	' X 75')
Depth of Contamination:	>25-ft bgs	
NMOCD Site Ranking:	0 (ground wate	er >100' below lowest contamination)
Demediation Action Longle	TDU. 5000 mm	m. Dongono, 10 mm. DTEV. 50 mm.

Remediation Action Levels: TPH: 5000-ppm; Benzene: 10-ppm; BTEX: 50-ppm; Cl-250-ppm

REMEDIATION:

Approximately 6-inches of contaminated soil (~ 100 -vd³) was removed from surface of the abandoned battery at the east end of the location and stockpiled on the west side for disposal. The bottom of this battery area was sampled at 5 points yielding undetectable TPH and chloride levels in the range 80 to 320-ppm. 2300-yd³ of visibly contaminated soil was excavated from the highly contaminated center of the west release area (50' X 50' X 20' depth) and disposed of at J&L Land Farm. After field analyses of the bottom and sides of the 20-ft excavation, it was extended to a depth of 24-ft bgs with a 75' X 75' surface dimension. The 24-ft bottom was sampled at 2 points and the sidewalls were sampled at 6 points. Analytical results indicated that the TPH had been eliminated from the bottom and sidewalls, the chlorides had been eliminated from the sidewalls. The chlorides, however, had increased at the 24-ft bottom to 3600-ppm. This excavated soil was stockpiled and blended with clean backfill (2320-yd³) obtained from J&L Land Farm. Six (6) random samples of this blended backfill material were submitted to Cardinal Laboratories and analyzed for TPH and chlorides. Results were consistent in the ranges 1400 to 2000-ppm TPH and 500 to 600-ppm total chlorides. With NMOCD approval, the excavation was backfilled with the blended material and then lined with an 85' X 85' (5-ft overlap on all sides) 20-mil polyethylene liner at the 4-ft bgs level. The liner was then covered up to surface level with clean topsoil salvaged from the east portion of the location.

2.0 Detailed Site Description

2.1 Geological Description

<u>The United States Geological Survey (USGS) Ground-Water Report 6, "Geology and</u> <u>Ground-Water Conditions in Southern Lea County, New Mexico," A. Nicholson and A.</u> <u>Clebsch, 1961</u>, describes the near surface geology of southern Lea County as "an intergrade of the Quaternary Alluvium (QA) sediments, i.e., fine to medium sand, with the mostly eroded Cenozoic Ogallala (CO) formation. Typically, the QA and CO formations in the area are capped by a thick interbed of caliche and generally overlain by sandy soil." The release site is located in the Eunice Plain physiographic subdivision, described by Nicholson & Clebsch as "covered almost entirely by reddish-brown dune sand. In some places the underlying surface consists of alluvial sediments – most commonly calcareous silt in buried valleys or Quaternary lake basins. It has a general southeast slope toward Monument Draw." The sand cover is generally 2 to 5-ft thick, but can be 20 - 30-ft thick in localized drift areas.

2.2 Ecological Description

The area is typical of the Upper Chihuahuan Desert Biome consisting primarily of hummocky sand hills covered with Harvard Shin Oak (*Querqus harvardi*) interspersed with Honey Mesquite (*Prosopis glandulosa*) along with typical desert grasses, flowering annuals and flowering perennials. Mammals represented, include Orrd's and Merriam's Kangaroo Rat, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, Mule Deer, Bobcat, Red Fox and Coyote. Reptiles, Amphibians, and Birds are numerous and typical of the area. A survey of Listed, Threatened, or Endangered species was not conducted.

2.3 Area Ground Water

Based on the Chevron-Texaco contour map (*Plate 4 of Attachments*), depth to ground water is indicated to be 25-ft to 50-ft below ground surface (bgs). Based on evidence provided by the drilling foreman of a rig working concurrently with this project, no ground water exists in this area. There is an abandoned windmill approximately 2200-ft east of the site that is dry. The area west of SH18 was surveyed for windmills and none were found. The data used to plot the contour map for this area is historical and probably not valid for the purpose of generating a computer plot of water depth.

2.4 Area Water Wells

There are no recorded or observed water wells within 1000 horizontal feet of the site.

2.5 Area Surface Water Features

No permanent surface water bodies exist within 1000 horizontal feet of the site.

3.0 Contaminant and Size of Area

The primary Contaminants of Concern (COCs) were petroleum hydrocarbons and total chlorides resulting from the long term release of storage tank and/or flow line contents. The contaminated area was \sim 5,600-ft² on the west side of the abandoned facility.

4.0 NMOCD Site Ranking

Contaminant delineation and site evaluation work done at this site indicate that the chemical parameters of the soil and the physical parameters of the ground water were characterized consistent with the characterization and remediation/abatement goals and objectives set forth in the following New Mexico Oil Conservation Division (NMOCD) publications:

- Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)
- Unlined Surface Impoundment Closure Guidelines (February 1993)

Acceptable thresholds for contaminants/constituents of concern (CoCs), i.e., TPH^{8015m}, Benzene, and the mass sum of Benzene, Toluene, Ethyl Benzene, and total Xylenes (BTEX⁸²⁶⁰), was determined based on the NMOCD Ranking Criteria as follows:

- Depth to Ground water, i.e., distance from the lower most acceptable concentration to the ground water.
- Wellhead Protection Area, i.e., distance from fresh water supply wells.
- Distance to Surface Water Body, i.e., horizontal distance to all down gradient surface water bodies.

Based on the proximity of the site to area water wells, surface water bodies, and depth to ground water from the lower most contamination, the NMOCD ranking score for the site is 0 points with the soil remedial goals highlighted in the Site Ranking Table.

1. GROUND WATER		2. WELLHEAD PROTECTION	3. DISTANCE TO SURFACE WATE	
DEPTH TO GW <50 FEET: 20 POINTS DEPTH TO GW 50 TO 99 FEET: 10 POINTS DEPTH TO GW >100 FEET: 0 POINTS GROUND WATER SCORE = 0		20 POINTS <200' FROM PRIVATE DOMESTIC		
		WATER SOURCE: 20 POINTS	200-1000 HORIZONTAL FEET: 10 POINTS	
		IF >1000' FROM WATER SOURCE, OR; >200' FROM PRIVATE DOMESTIC WATER SOURCE: 0 POINTS	>1000 HORIZONTAL FEET: 0 POINTS	
		WELLHEAD PROTECTION SCORE= 0	SURFACE WATER SCORE= 0	
		SITE RANK (1+2+3) = 0 + 0 + 0 = 0 POINTS		
	TOTAL SITE RANKI	NG SCORE AND ACCEPTABLE REMEDIAL GOAL	CONCENTRATIONS	
PARAMETER	20+	10	0	
BENZENE	10 PPM	10 PPM	10 PPM	
BTEX	50 PPIN	50 PPI4	50 PPM	
TPH	100 PPM	1000 PPM	5000 PPM	

SITE RANKING TABLE

5.0 Remediation Process

Approximately 6-inches of contaminated soil (~ 100 -yd³) was removed from surface of the abandoned battery at the east end of the location and stockpiled on the west side for disposal. The bottom of this battery area was sampled at 5 points yielding undetectable TPH and chloride levels in the range 80 to 320-ppm. 2300-yd³ of visibly contaminated soil was excavated from the

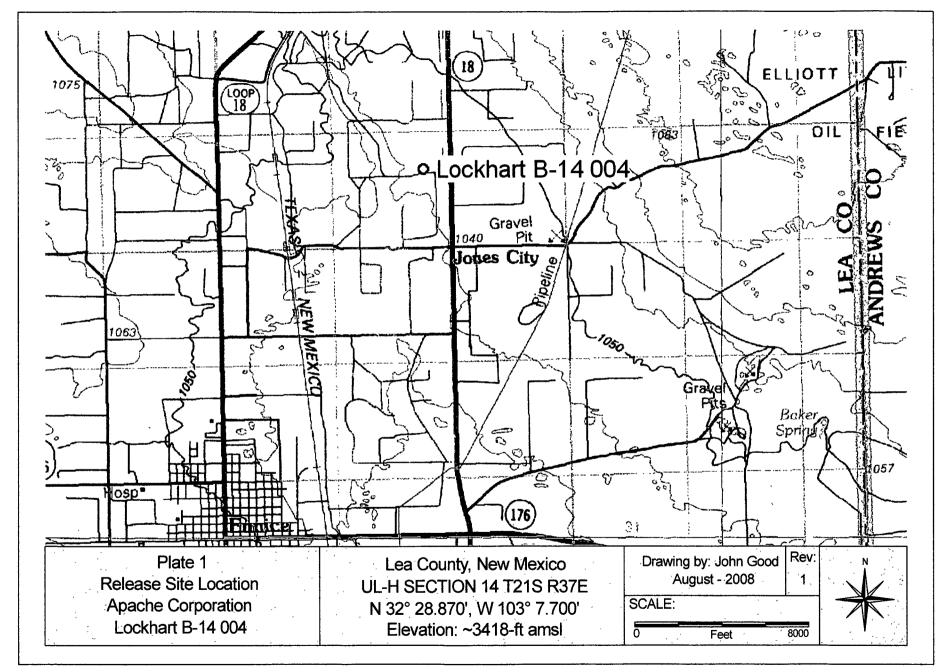
Apache Lockhart B-14 004Battery

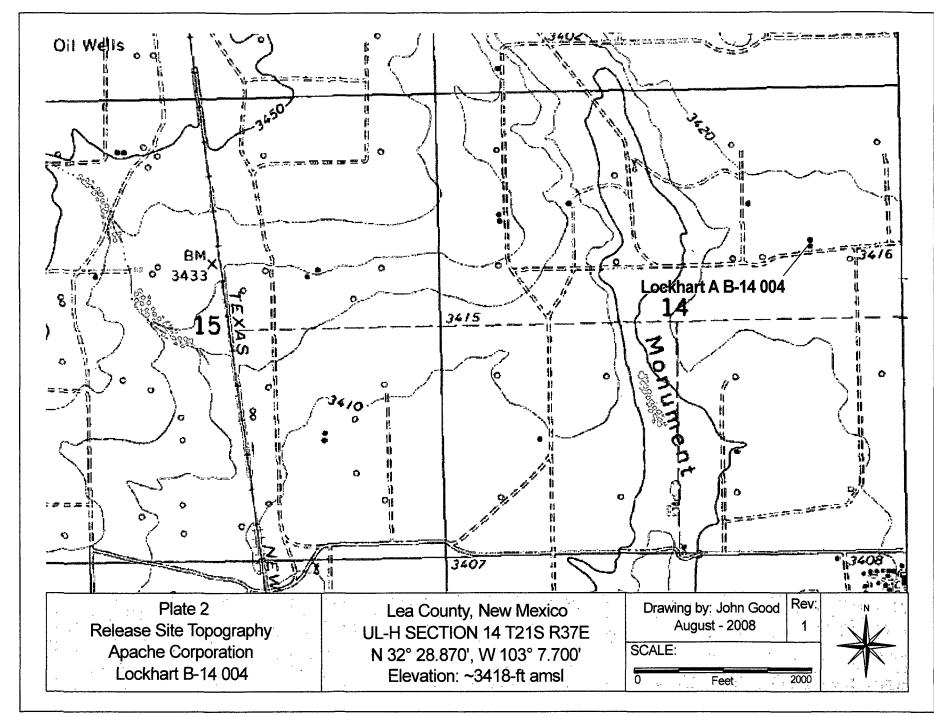
highly contaminated center of the west release area (50' X 50' X 20' depth) and disposed of at J&L Land Farm. After field analyses of the bottom and sides of the 20-ft excavation, it was extended to a depth of 24-ft bgs with a 75' X 75' surface dimension. The 24-ft bottom was sampled at 2 points and the sidewalls were sampled at 6 points. Analytical results indicated that the TPH had been eliminated from the bottom and sidewalls, the chlorides had been eliminated from the sidewalls. The chlorides, however, had increased at the 24-ft bottom to 3600-ppm. This excavated soil was stockpiled and blended with clean backfill (2320-yd³) obtained from J&L Land Farm. Six (6) random samples of this blended backfill material were submitted to Cardinal Laboratories and analyzed for TPH and chlorides. Results were consistent in the ranges 1400 to 2000-ppm TPH and 500 to 600-ppm total chlorides. With NMOCD approval, the excavation was backfilled with the blended material and then lined with an 85' X 85' (5-ft overlap on all sides) 20-mil polyethylene liner at the 4-ft bgs level. The liner was then covered up to surface level with clean topsoil salvaged from the east portion of the location.

Based upon the information and data presented within this C141 Closure Document, Apache Corporation requests that NMOCD require "no further action" regarding the historical hydrocarbon and produced water releases at the Lockhart B-14 004 Well and Battery location.

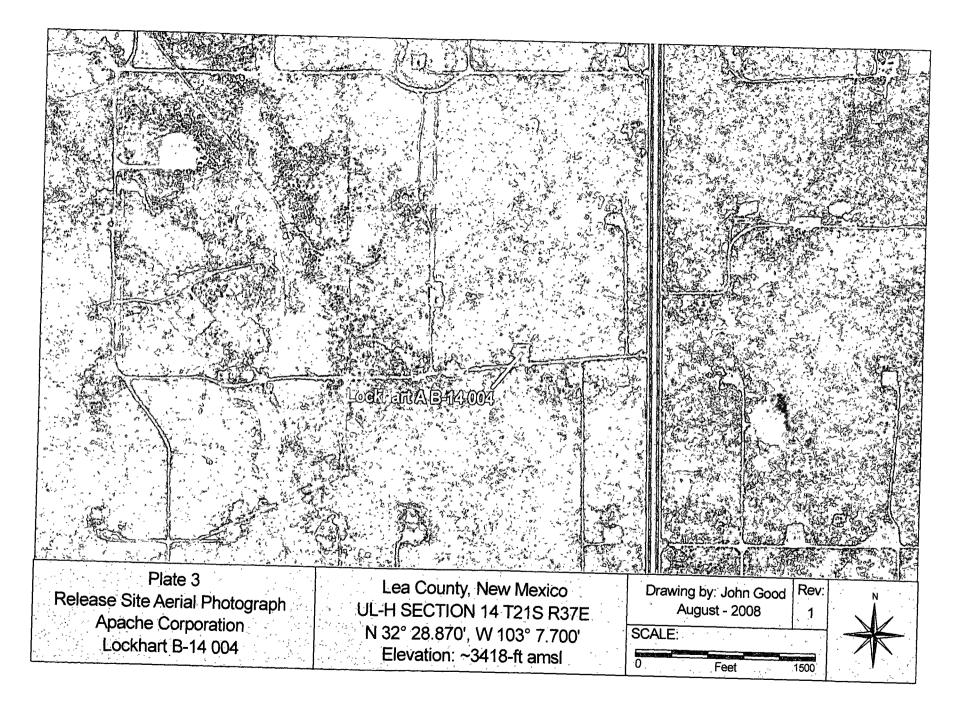
ATTACHMENTS

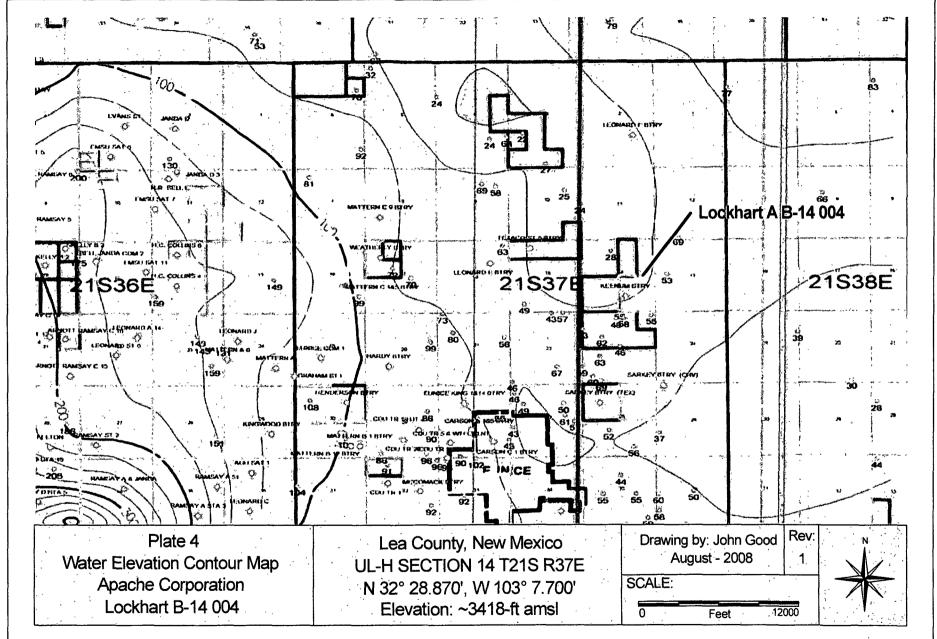
Plate 1: Site Location Map	7
Plate 2: Site Topography Map	8
Plate 3: Site Aerial Photograph	9
Plate 4: Ground Water Elevation Contour Map	10
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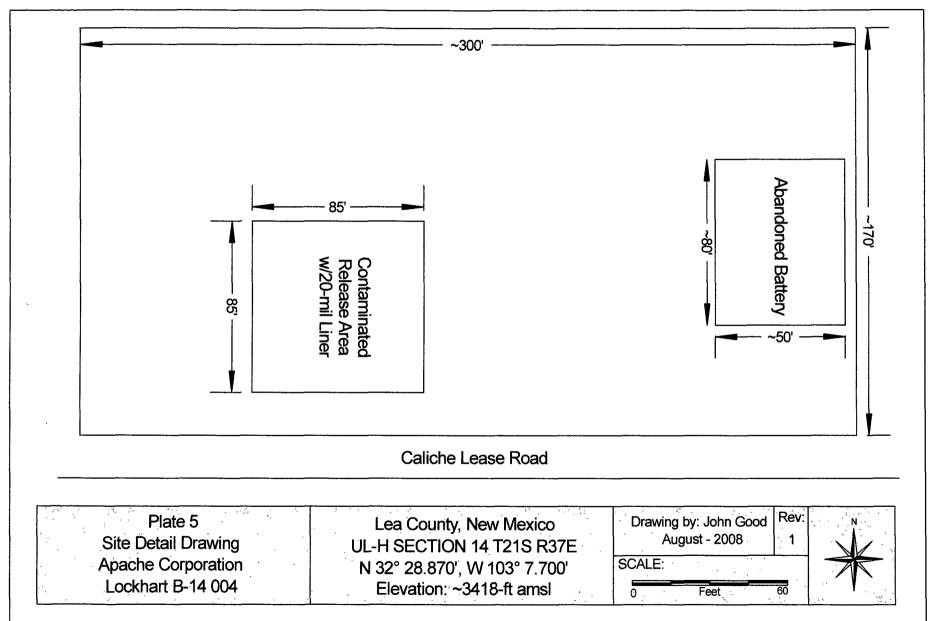




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Sample	Sample	Sample	ORO ²	DRO ³	ТРН ⁴	BTEX ^S	Chicriste
Date	Location	Oepth ¹	mg/Kg	mgiKg	mgKg	mgiKg	mg/Kg
	ł	ABANDONED TA	NK BATTERY A	REA (EAST SID	E OF LOCATION	ļ	
1/7/08	BATT-NE	6''	<10	· <10	<20	.006*	80
1/7/08	BATT-NW	6''	<10	<10	<20	.006*	144
1/7/08	BATT-SW	6''	<10	<10	<20	.006*	32
1/7/08	BATT-SE	6''	<10	<10	<20	.006*	320
1/7/08	BATT-CTR	6''	<10	<10	<20	.006*	128
******************************	****	CONTAMINATE	D RELEASE AR	EA (WEST SIDE	OF LOCATION		
1/7/08	BOTTOM	20-FT	139	1810	1949	4.414'	32
1/14/08	BOTTOM-1	24-FT	<10	<10	<20	NT	3680
1/14/08	BOTTOM-2	24-FT	<10	<10	<20	NT	3640
1/15/08	SIDEWALL-1	19-FT	<10	33 6	<43.6	NT	112
1/15/08	SIDEWALL-2	19-FT	<10	<10 ⁻	<20	NT	112
1/15/08	SIDEWALL-3	19-FT	<10	<10	<20	NT	128
1/15/08	SIDEWALL-4	19-FT	<10	<10	<20	NT	112
1/15/08	SIDEWALL-5	19-FT	<10	<10	<20	NT	112
1/15/08	SIDEWALL-6	- 19-FT	<10	<10	<20	NT	112
1/15/08	BLEND-1	SURFACE	<10	1620	1630	NT	560
1/15/08	BLEND-2	SURFACE	<10	1820	1830	NT ,	560
1/15/08	BLEND-3	SURFACE	<10	1540	1550	NT	544
1/15/08	BLEND-4	SURFACE	<10	1960	1970	NT	528
1/15/08	BLEND-5	SURFACE	<10	1420	1430	NT	576
1/15/08	BLEND-6	SURFACE	<10	1720	1730	NT .	528

bys (below ground surface), "Gasoline Range Organics (delection limit = 10 mg/kg), "Lifesel Range Organics (delection limits = 10 mg/kg), "1PH = sum of GRO-DRO. Note: Detection limits are considered "de minimus" values and are included in TPH and BTEX summations. BTEX[®] Sum of Benzene, Toluene, Ethyl Benzene and Xylenes (regulatory limit = 50 mg/kg). "Indicates that the Benzene component was tess than the regulatory limit of 5.0 mg/kg.



ANALYTICAL RESULTS FOR ELKE ENVIRONMENTAL, INC. ATTN: JOHN GOOD P.O. BOX 1830 HOBBS, NM 88241 FAX TO: (575) 738-0140

Receiving Date: 01/07/08 Reporting Date: 01/08/08 Project Owner: APACHE CORP Project Name: LOCKHART B 14 004 Project Location: T21S R37E S14 Sampling Date: 01/07/08 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: ML Analyzed By: BC/KS

	GRO.	DRO	
	(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	CI*
LAB NUMBER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)

ANALYSIS DATE	01/07/08	01/07/08	01/07/08
H14026-1 BATT - NE	<10.0	<10.0	80
H14026-2 BATT - NW	<10.0	<10.0	144
H14026-3 BATT - SW	<10.0	<10.0	32
H14026-4 BATT - SE	<10.0	<10.0	320
H14026-5 BATT - CENTER	<10.0	<10.0	128
Quality Control	828	818	500
True Value QC	800	800	500
% Recovery	103	102	100
Relative Percent Difference	4.1	0.2	<0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI⁻: Std. Methods 4500-CI⁻B *Analyses performed on 1:4 w:v aqueous extracts.

uff Cooke

H14026A2 ELKE

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 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, affiniates or successors ansing out of or related to the performance of services. Here affiniates of whether such claim is based upon any of the above-stated reasons or otherwise.



ANALYTICAL RESULTS FOR ELKE ENVIRONMENTAL, INC. ATTN: JOHN GOOD P.O. BOX 1830 HOBBS, NM 88241 FAX TO: (575) 738-0140

Receiving Date: 01/07/08 Reporting Date: 01/08/08 Project Owner: APACHE CORP Project Name LOCKHART B 14 004 Project Location: T21S R37E S14 Sampling Date: 01/07/08 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: ML Analyzed By: AB

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DA	ΓE	01/07/08	01/07/08	01/07/08	01/07/08
H14026-1	BATT - NE	<0.001	<0.001	<0.001	<0.003
H14026-2	BATT - NW	<0.001	<0.001	<0.001	< 0.003
H14026-3	BATT - SW	<0.001	<0.001	<0.001	<0.003
H14026-4	BATT - SE	<0.001	<0.001	<0.001	<0.003
H14026-5	BATT - CENTER	<0.001	<0.001	<0.001	<0.003
Quality Control		0.094	0.092	0.092	0.290
True Value QC		0.100	0.100	0.100	0.300
% Recovery		93.7	91 9	92.1	96.7
Relative Percer	nt Difference	0.9	0.3	1.1	10

METHOD: EPA SW-846 8021 B

ist get (A. Oth

Date

PLEASE NOTE. Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service H 14026B3 CLASE be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiares. 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



ANALYTICAL RESULTS FOR ELKE ENVIRONMENTAL, INC. ATTN: JOHN GOOD P.O. BOX 1830 HOBBS, NM 88240 FAX TO: (575) 738-0140

Receiving Date: 01/07/08 Reporting Date: 01/07/08 Project Owner: APACHE CORP Project Name: LOCKHART B 14 004 Project Location. T21S R37E S14 Sampling Date: 01/07/08 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: ML Analyzed By: BC/KS

RUSH SAMPLE

	GRO	DRO	
	(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	CI*
LAB NUMBER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)

ANALYSIS DATE	01/07/08	01/07/08	01/07/08
H14026-6 WEST CONT - 20	139	1810	32
Quality Control	828	818	500
True Value QC	800	800	500
% Recovery	103	102	100.0
Relative Percent Difference	4.1	0.2	<0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI⁻: Std. Methods 4500-CI⁻B *Analysis performed a on 1:4 w:v aqueous extract.

Chemist H14026A1 ELKE

1109 Date

PLEASE NOTE Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after comsequential damages, including, without limitation, business interruptions, loss of profits incurred by chart, its subsidianes, affiliates or successors arising out of or related to the performance of services in erunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



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Receiving Date: 01/07/08 Reporting Date: 01/07/08 Project Owner: APACHE CORP Project Name: LOCKHART B 14 004 Project Location. T21S R37E S14 Sampling Date: 01/07/08 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: ML Analyzed By: AB

				ETHYL	TOTAL
LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	BENZENE (mg/Kg)	XYLENES (mg/Kg)
ANALYSIS DAT	ſE	01/07/08	01/07/08	01/07/08	01/07/08
H14026-6	WEST CONT - 20	<0.020	0.034	1.17	3.19
Quality Control		0.094	0.092	0.092	0.290
True Value QC		0.100	0.100	0.100	0.300
% Recovery		93.7	91.9	92.1	97
Relative Percer	nt Difference	0.9	0.3	1.1	10

RUSH SAMPLE

METHOD. EPA SW-846 8021 B

litte

Date

PLEASE NOTE Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service H14026B1 fedME 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 ansing 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.

ompany Name	RDINAL BORATORIES ELKE ENVIRONN	ENTA	1 11						-			ILL TO						AN	ALVEN	REQL	Eet				
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ANALYTICAL RESULTS FOR ELKE ENVIRONMENTAL, INC. ATTN: JOHN GOOD P.O: BOX 1830 HOBBS, NM 88241 FAX TO: (575) 738-0140

Receiving Date: 01/15/08 Reporting Date: 01/17/08 Project Owner: APACHE CORP. Project Name: LOCKHART B 14-A 004 Project Location: T21S R37E S14 ULH Sampling Date: 01/14/08 & 01/15/08 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: ML Analyzed By: BC/HM

GRO DRO (C₆-C₁₀) (>C₁₀-C₂₈) CI* (mg/Kg) (mg/Kg) (mg/Kg)

LAB NUMBER SAMPLE ID

ANALYSIS D	ATE	01/16/08	01/16/08	01/16/08
H14092-1	BH 1 - 24	<10.0	<10.0	3680
H14092-2	BH 2 - 24	<10.0	<10.0	3640
H14092-3	SW-1	<10.0	33.6	. 112
H14092-4	SW-2	<10.0	<10.0	112
H14092-5	SW-3	<10.0	<10.0	128
H14092-6	SW-4	<10.0	<10.0	112
H14092-7	SW-5	<10.0	<10.0	112
H14092-8	SW-6	<10.0	<10.0	112
H14092-9	BLEND 1	<10.0	1620	560
H14092-10	BLEND 2	<10.0	1820	560
H14092-11	BLEND 3	<10.0	1540	544
H14092-12	BLEND 4	<10.0	1960	528
H14092-13	BLEND 5	<10.0	1420	576
H14092-14	BLEND 6	<10.0	1720	528
Quality Control	ol	790	811	490
True Value Q	C	800	800	500
% Recovery		98.8	101	98.0
Relative Perc	ent Difference	1.1	2.3	2.0

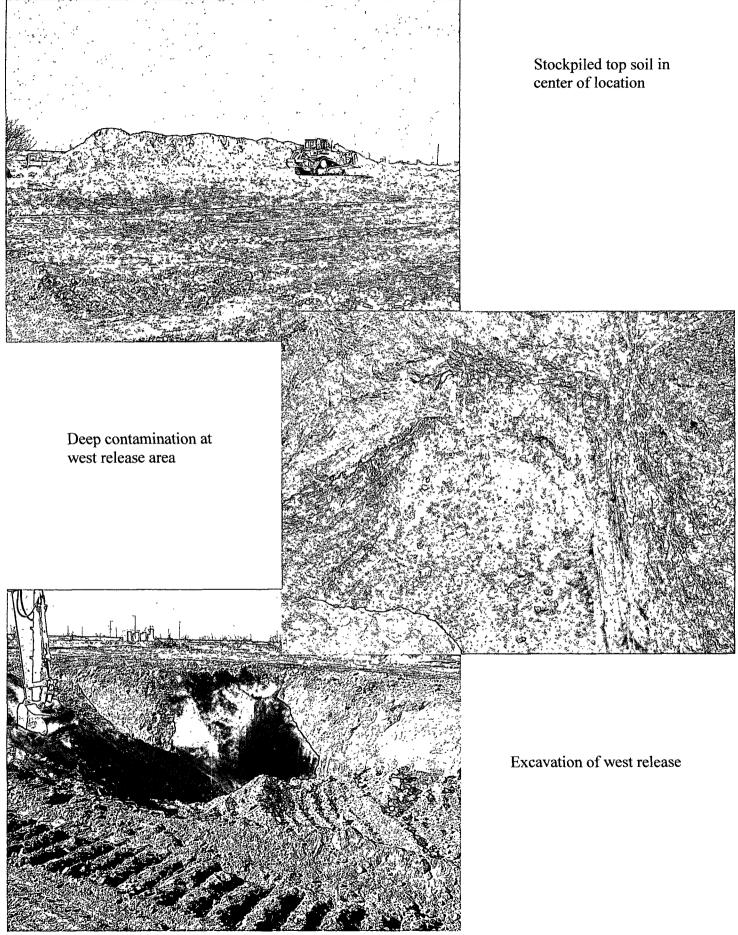
METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI⁻: Std. Methods 4500-CI⁻B *Analyses performed on 1:4 w:v aqueous extracts.

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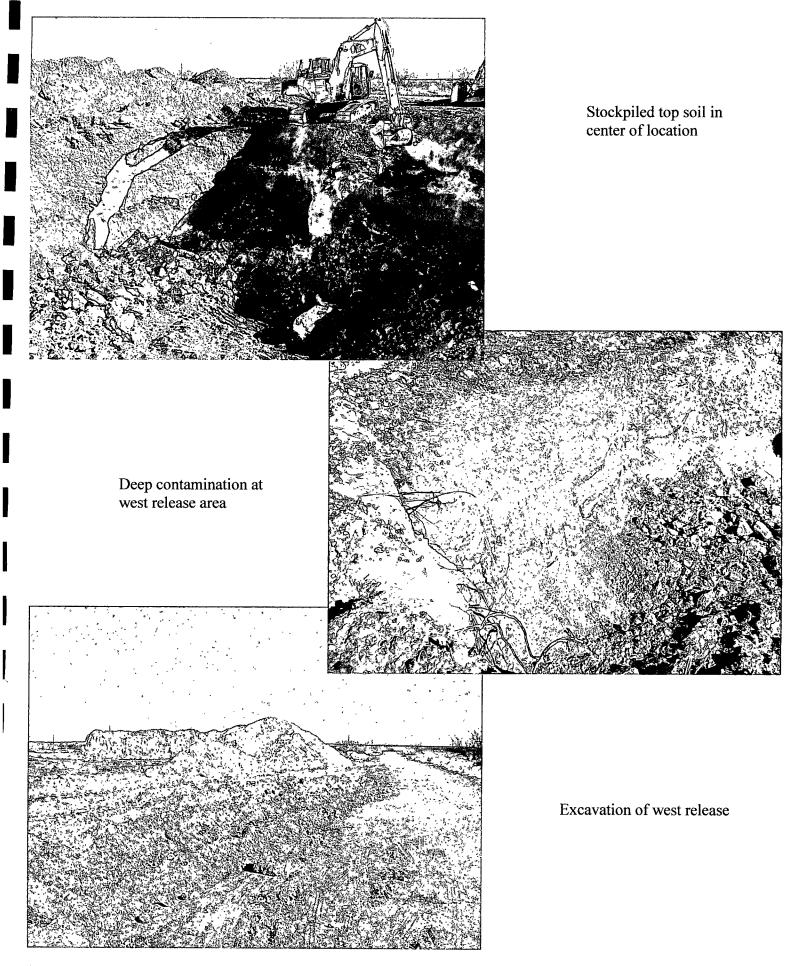
H14092 ELKE

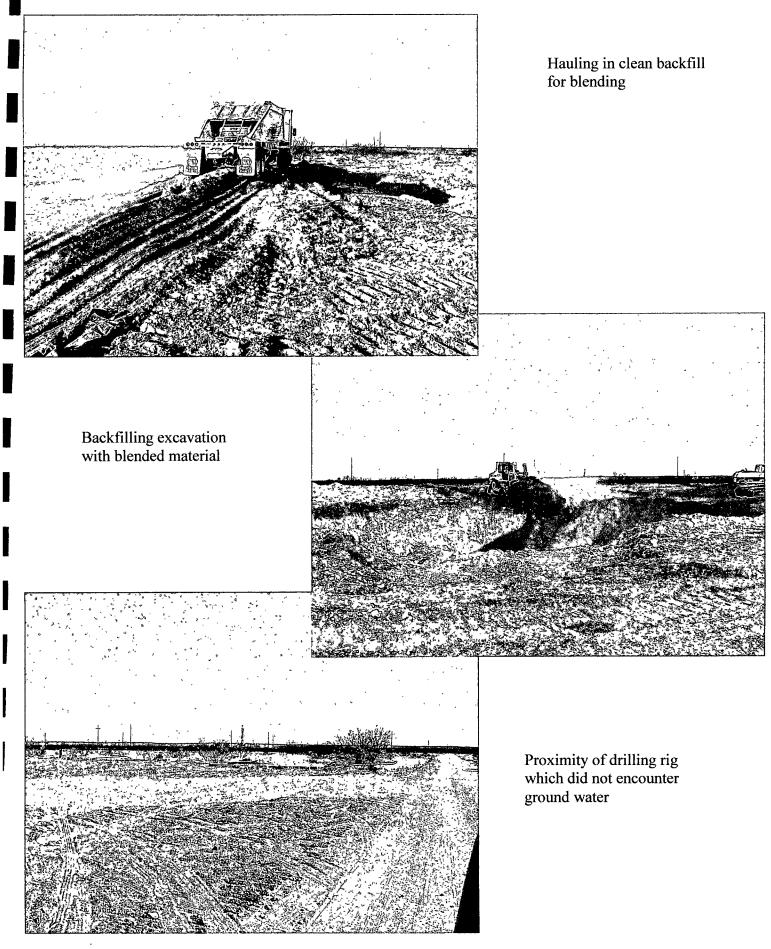
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential demages, 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

Dompany Name: ELKE ENVIRONMENTAL, INC. BILL TO ANALYSIS REQUEST Troject Manager: JOHN GOOD P.O.#. BILL TO ANALYSIS REQUEST Viget: HOBBS State: NM Zip. 88241 Atm. Viget: HOBBS State: NM Zip. 88241 Atm. Viget: Forest 757538/5738 Fask 5757390/400 Address Zip: Zip: Viget: Lockhard 14:4 004 State: Zip: Zip: Zip: Zip: Viget: Lockhard 14:4 004 State: John 6:00 State: Zip: Zip: Viget: Lockhard 14:4 004 State: John 6:00 State: Zip: Zip: Viget: Lockhard 14:4 004 State: Zip: Zip: Zip: Zip: Zip: Viget: Lockhard 20:00 Zip: Zip: Zip: Zip: Zip: Zip: Zip: Lab L0. Sample I.D. Sig: Zip: Zip: Zip: Zip: Zip:	LA	RDINAL BORATORIES					2111 BEECHWO													
ddress: 3506 WEST COUNTY RD Company: ihr: HOBBS Site: NM Zip: 88241 Attn: ihr: HOBBS Site: NM Zip: 88241 Attn: ince # 575-738-0138 Fax # 575-738-0140 Address	ompany Name:	ELKE ENVIRO	NMENTAL, I	VC,			BILL TO						AN	ALYSIS	REQU	EST				
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Installing 20-mil liner at 4-ft bgs level



Covering installed liner with topsoil

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Project completed

District 1 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. E. Francis Dr., Santa Fe, NM 87505

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State of New Mexico Energy Minerals and Natural Resources Oil Conservation Division

1220 South St. Francis Dr.

Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back

1220 S. St. Fra	ncis Dr., Sant	a Fe, NM 87505	5	Sa	anta F	e, NM 875	05				side of	
			Rele	ase Notific	catio	n and Co	orrective A	ction	1			
						OPERA	TOR		🗹 Initi	al Report	🔲 Final R	
Name of Co	ompany	Apache Co				Contact	John Good El		ronmental			
Address		P.O. Box 1	849			Telephone N	No. 505-631-3					
Facility Na	me Lo	ckhart B-14	A No. 4			Facility Typ	e Battery	API 30	-025-0657	6		
Surface Ov	vner Bill	Stephens	<u> </u>	Mineral C	Owner				Lease N	No.		
				LOCA	ATIO	N OF REI	EASE					
Unit Letter	Section	Township	Range	Feet from the		/South Line	Feet from the	East/\	Vest Line	County		
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Un	known		Yes 🔲	No 🔲 Not Re	quired							
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Was a Water	rcourse Read			-		If YES, Vo	lume Impacting I	he Wate	ercourse.		********	
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If a Waterco	urse was Im	pacted, Descri	ibe Fully.*	t								
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Describe Are	ea Affected	and Cleanup A	Action Tak	en.*						U V han De		
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I hereby certi	ify that the i	nformation gi	ven above	is true and comp	lete to the	he best of my	knowledge and u	nderstar	d that purs	uant to NMO	CD rules and	
nùblic bealth	or the envir	opment The	o report an	d/or file certain n e of a C-141 repo	elease n	outications ar	d perform correc	tive acti	ons for rele	eases which n	hay endanger	
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or the enviro	nment. In a	ddition, NMO	CD accept	tance of a C-141	report d	oes not reliev	the operator of a	responsi	bility for c	ompliance with	th any other	
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Printed Name	e: Natalie		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	our _				- 574	$n o \alpha n n n$		7.00	
Title: Fauire		Gladden				Approved by	District Supervise	or: EN	IRONM	ENTAL EN	IGINEER	
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E-mail Addre			apachecor	p.com			. 1/9/08			Date: 3/9	IGINEER 108	
		ch		p.com 505-390-4186		Approval Date	. 1/9/08			2/0	IGINEER 108	
Date: 01/	ess: Natalie.	ch	Phone:			Approval Date	. 1/9/08			Date: 3/9	IGINEER 108	
Date: 01/	ess: Natalie.	ch gladden@usa.	Phone:			Approval Date	. 1/9/08			Date: 3/9	IGINEER 108	
Date: 01/	ess: Natalie.	ch gladden@usa.	Phone:			Approval Date	. 1/9/08			Date: 3/9	IGINEER 108	

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	zach	je	Incider	nt Date:	Unknown	NMOC	D Notified:	Unknow	n			
SITE:	Lockhart B-14 004	I	<u> </u>			A	PI No.	30-025-06576	3			
Company:		Apache C	orporation	L								
Street Addr	ess:						<u> </u>	······································	<u> </u>			
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	tive Telephone:	575-390-4										
Telephone:									<u></u>			
		> 25	Volume Re	covered	(bbl):	C	Net Re	elease: >	25			
	>251	bbl: Notify NMOC			· · · · · · · · · · · · · · · · · · ·	141 withir	n 15 days.					
	5-25 bbl: Submit F	•	•				-	I Gas).				
Leak Spill	or Pit (LSP) Name:				t B-14 004							
	Contamination:				d Water Ta	ank or F	lowline					
	r, i.e. BLM, ST, Fee	Other:			Lucille Bry							
LSP Dimen		,	~	75' X 75				· · · · ·				
LSP Area		· ·, · · · ·	~	5600								
	Reference Point (RI	D).		0000					······			
	stance and direction											
Latitude: No			· · · · · · · · · · · · · · · · · · ·	32	28.87							
Longitude:		· · · · · · · · · · · · · · · · · · ·	<u> </u>	103	7.7							
	bove mean sea leve	l (amsl):		3475		meters						
	om North Section Lir											
	om East Section Line						· · · · · · · · · · · · · · · · · · ·					
	Jnit Letter and 1/4 1		UL-	н	SE 1/4 of	NE	1/4					
Location - S		· · · · · · · · · · · · · · · · · · ·		14								
Location - T				215								
Location - Range 37E												
	Location - Range 37E Location - County Lea											
	ter body within 1000	radius of site		0					<u> </u>			
	ter body within 1000			0								
	ater wells within 100			0								
	ater wells within 100			0				· · · · ·				
	water wells within 1			0								
	water wells within 1			0								
	r supply wells within			0								
	r supply wells within			0				<u></u>				
) from land surface t			200			<u>-</u>					
) of lowest contamin			200								
	to Ground Water (I		<u>م</u>	176								
Deptil (leet)	1. Ground Water (I				otection A	roa	3 Distan	ce to Surface \	Nator			
			lf <1000' fro	·····								
If Depth to (GW <50-feet: 20 poi	ints	from private				<200 horizo	ntal feet: 20 po	ints			
If Depth to 0	GW 50 to 100-feet: "	10 points	20 points If >1000' fro	om water	source, or	, >200'	200-1000 ho	prizontal feet: 1	0 points			
If Depth to	GW >100-feet: 0 poi	ints	from private	edomes	tic water so	urce: 0	>1000 horiz	ontal feet: 0 po	ints			
Ground Wa	ater Score: 0		Wellhead F	rotectior	Score:	0	Surface Wa	ter Score:	0			
	g (1 + 2 + 3):	0	•									
		otal Site Ran	king Score a	nd Acce	ptable Cor	ncentra	tions					
Parameter	20 or		T	1(0				
Benzene ¹	10-рр	m		 10-p	pm			10-ppm	<u></u>			
BTEX ¹	50-pp			50-p		<u> </u>		50-ppm				
TPH	100-pp			1000-				5000-ppm				
L''''					<u>''''</u>		L	over hhim				

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