HOBBS OCD

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fo, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fc. NM 87505 MAY 1 9 2014 Form C-141 Revised August 8, 2011

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

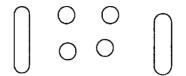
20 S. St. Fran	icis Di., balli							-4!				
			Rele	ase Notifi	cation	and Co	rrective A	CHOIL				
						OPERAT	OR		Initi:	al Report	⊠ Fir	ıal Repor
		ive Brother		ortation		Contact: Fel						
		B, Hobbs NI					o.: 575-441-5	168				
acility Na	me: Iron	House 19 St	ate #1	· · · · · · · · · · · · · · · · · · ·		Facility Type	e: CIB					
Surface Ow	mer: State			Mineral (Owner:				API No	o.: 30-025-	40676	
				LOC	ATION	OF REL	EASE					
Jnit Letter	Section	Township	Range	Feet from the	-,	South Line	Feet from the	1	est Line	County: 1	ÆA	
1	19	18S	35E	200'	South	1	1800'	West		}		
		<u> </u>	<u> </u>	T - 4!4 3 22 7	266 331	T 14 - 3 -	102 40070 1	ـــــــــــــــــــــــــــــــــــــ		L		
				Latitude_32.7	200 W	Longitude	-103,49970 V	<u>v</u>				
				NA.	FURE	OF RELE						
ype of Rele		Con Tuesan	aut Tanale				Release: 13 bbls			Recovered:		34/2014
Source of Release: Overflow Transport Truck						4/24/2014 8		:e;	8:00 am	Hour of Dis	covery: 4/	24/2014
Vas Immedi	ate Notice (If YES, To	Whom?					
		<u> </u>	Yes _	No Not R	Required							
By Whom?	course Rea	ohad?				Date and He	our lume Impacting t	ha Wata				
Ans a Maici	Course Acai		Yes [] No		I I LES, VOI	iume impacing i	ne wate	rcourse.			
f a Waterco	urse was Im	pacted. Descr	ibe Fully.	<u>* </u>		<u> </u>		^ -				
f a Waterco	urse was Im	pacted, Descr	ibe Fully.			<u> </u>	•	Ports	4.5	407	5 + 100'	
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JUL 09 2011

N701418 95668

HOBBS OCD

MAY 1 9 2014



RECEIVED

Tank Battery

Truck Load Out Area

S-2

S-3

Pump Jack

Lease Road



Legend

- Sample Location

- Underground Electric Line



Date: 05/09/2014

Scale: NTS

Drawn By: TJS

Iron House 19 State #1
Five Brothers Transportation
Lea County, New Mexico
Figure 1 - Site Plan



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, C=the file is

closed)

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

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

(In feet)

		-,	,	•						3, (-,	٧٠٠.	,	
PC	DD Number Code	Sub-		CAS TOTAL	2000	1. 150	C. 11.	Call Dr. (45.17)	Charles Section	X	5: 10 Care 2-5 2 Care 14 - 14-17 18 2 1				Depth W Water Co	
<u>L</u>	12926 POD1	L	LE	2	2	3	25	18S	34E	639839	3621631	9	645	182	117	65
L	03888	L	LE		3	1	19	188	35E	640253	3622912*	5	914	107	70	37
L	07928	L	LE	4	4	1	19	18S	35E	640639	3622915	0	950	175		
L	04562	L	LE		3	1	29	18S	35E	641874	3621315*	6	1658	156	95	61
L	03721	L	LE		3	3	18	188	35E	640241	3623717*		1716	161	90	71

Average Depth to Water:

93 feet

Minimum Depth:

70 feet

Maximum Depth:

117 feet

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 640366

Northing (Y): 3622005

Radius: 2000



April 25, 2014

HOBBS OCD

DAVID ADKINS

MAY 1 9 2014

TALON LPE

408 W. TEXAS AVE.

RECEIVED

ARTESIA, NM 88210

RE: IRON HORSE

Enclosed are the results of analyses for samples received by the laboratory on 04/24/14 16:23.

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

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

Method EPA 552,2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey 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 guestions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Received:

04/24/2014

Reported:

04/25/2014

Project Name:

IRON HORSE

Project Number: Project Location: 70178200201 LEA COUNTY, NM Sampling Date:

04/24/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-1 0' (H401243-01)

BTEX 80218	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	04/25/2014	ND	1.87	93.4	2.00	3.05	
Toluene*	4.81	0.500	04/25/2014	ND	1.86	92.9	2.00	2.87	
Ethylbenzene*	5.64	0.500	04/25/2014	ND	1.87	93.4	2.00	2.27	
Total Xylenes*	8.22	1.50	04/25/2014	ND	5.67	94.4	6.00	1.26	
Total BTEX	18.7	3.00	04/25/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID 113 %		6 89.4-12	б						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	04/25/2014 ND		432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	34.7	10.0	04/25/2014	ND	187	93,6	200	2.79	
DRO >C10-C28	210	10.0	04/25/2014	ND	202	101	200	2.79	
Surrogate: 1-Chlorooctane	111 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	112 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEXE NOTE: Liabitity and Damages. Cardinal's labitity and client's exclusive remedy for any risking, whether based in contract or tout, 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 (20) days after completion of the applicable service. In no event shall Cardinal be Table for incidental or consequential damages, including, without invitation, business interruptions, loss of use, or loss of profits incurred by client, it is substidiated, a sificative or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to be samples Mentified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keene



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

Received:

04/24/2014

Sampling Date:

04/24/2014

Reported:

04/25/2014

Sampling Type:

Soil

Project Name:

IRON HORSE

Sampling Condition:

Cool & Intact

Project Number: Project Location:

70178200201 LEA COUNTY, NM Sample Received By:

Jodi Henson

Sample ID: S-1 6" (H401243-02)

BTEX 8021B	mg,	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.120 0.050		04/25/2014	ND	1.87	93.4	2.00	3.05	
Toluene*	0.298	0.050	04/25/2014	ND	1.86	92,9	2.00	2.87	
Ethylbenzene*	0.221	0.050	04/25/2014 04/25/2014	ND	1.87	93.4	2.00	2.27	
Total Xylenes*	0.327	0.150		ND	5.67	94.4	6.00	1.26	
Total BTEX	0.966	0.300	04/25/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	04/25/2014	ND	432	108	400	3.64	
TPH 8015M	mg,	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/25/2014	ND	187	93.6	200	2.79	
DRO >C10-C28	47.0	10.0	04/25/2014	ND	202	101	200	2.79	
Surrogate: 1-Chlorooctane	109	% 65.2-14	0			***************************************	******		
Surrogate: 1-Chlorooctadecane	109	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tart, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whetherever shall be deemed washed unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be Rable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by its subclassines, affiliates or successors arising out of or related to the performance of the services harvander by Cardinal, regardless of whether such claims to bead upon any of the above states readors or otherwise. Results relation only to the amount paid by client for analyses. All claims, including those for negligence and any other cause whether the limited to the papicable service. In no event shall Cardinal be Rable for incidental Cardinal to the Rable for incidental cardinal to the state of the services harvander by Cardinal, regardless of whether such claims to beautiful cardinal to the performance of the services harvander by Cardinal, regardless of whether such claims to beautiful cardinal to the reproduced except in full with written approved of Cardinal Laboratories.

Celey D. Keine



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

Received:

04/24/2014

Reported: Project Name: 04/25/2014 **IRON HORSE**

Project Number:

70178200201

Sampling Date:

04/24/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: S-2 0' (H401243-03)

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*	0.220	0.050	04/25/2014	ND	1.87	93.4	2.00	3.05		
Toluene*	1.66	0.050	04/25/2014	ND	1.86	92,9	2.00	2.87		
Ethylbenzene*	2,56	0.050	04/25/2014	ND	1.87	93.4	2.00	2.27		
Total Xylenes*	4.01	0.150	04/25/2014	ND	5.67	94.4	6.00	1.26		
Total BTEX	8.45	0.300	04/25/2014	ND .						
Surrogate: 4-Bromofluorobenzene (PID	154 %	6 89.4-12	6							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3280	16.0	04/25/2014	ND	432	108	400	3.64		
TPH 8015M	mg/	kg	Analyze	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	164	10.0	04/25/2014	ND	187	93.6	200	2.79		
DRQ >C10-C28	1370	10.0	04/25/2014	ND	202	101	200	2.79		
Surrogate: 1-Chlorooctane	119 %	65.2-14	0							
Surrogate: 1-Chlorooctadecane	116 9	63,6-15	4							

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Celeg D. Keene



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

Received:

04/24/2014

Reported:

04/25/2014

Project Name:

IRON HORSE

70178200201

Project Number: Project Location:

LEA COUNTY, NM

Sampling Date:

04/24/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-2 1' (H401243-04)

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	04/25/2014	ND	1.87	93.4	2.00	3.05	
Toluene*	<0.050	0.050	04/25/2014	ND	1.86	92.9	2.00	2.87	
Ethylbenzene*	0.064	0.050	04/25/2014	ND	1.87	93.4	2.00	2.27	
Total Xylenes*	<0.150	0.150	04/25/2014	ND	5.67	94.4	6.00	1.26	
Total BTEX	<0.300	0.300	04/25/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	6 89.4-12	6						
Chloride, SM450DCI-B	mg/	kg	Analyze	d By: AP			 		
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3800	16.0	04/25/2014	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: CK			· · · · · · · · · · · · · · · · · · ·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/25/2014	ND	187	93.6	200	2.79	
DRO >C10-C28	14.6	10.0	04/25/2014	ND	202	101	200	2.79	
Surrogate: 1-Chlorooctane	107 9	65.2-14	10						
Surrogate: 1-Chlorooctadecane	105 9	63.6-15	ī.4						

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

Received:

04/24/2014

Reported:

04/25/2014

Project Name:

IRON HORSE 70178200201

Project Number: Project Location:

LEA COUNTY, NM

Sampling Date:

04/24/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-3 0' (H401243-05)

BTEX 8021B	mg/	kg	Analyze	d By: CK	<u>_</u>				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.152	0.050	04/25/2014	ND	1.87	93.4	2.00	3.05	
Toluene*	0.483	0.050	04/25/2014	ND	1.86	92,9	2.00	2.87	
Ethylbenzene*	0.466	0.050	04/25/2014	ND	1.87	93.4	2.00	2.27	
Total Xylenes*	0.690	0.150	04/25/2014	ND	5.67	94.4	6.00	1.26	
Total BTEX	1.79	0.300	04/25/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP				,	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	04/25/2014	ND	432	108	400	3,64	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/25/2014	ND	187	93.6	200	2.79	
DRO >C10-C28	54.3	10.0	04/25/2014	ND	202	101	200	2.79	
Surrogate: 1-Chlorooctane	95.8	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	95.8	% 63.6-15	i4						

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

Received:

04/24/2014

Reported:

04/25/2014

Project Name:

IRON HORSE

Project Number: Project Location:

70178200201 LEA COUNTY, NM Sampling Date:

04/24/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-3 6" (H401243-06)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.213	0.050	04/25/2014	ND	1.87	93.4	2.00	3.05	
Toluene*	0.868	0.050	04/25/2014	ND	1.86	92.9	2,00	2.87	
Ethylbenzene*	0.745	0.050	04/25/2014	ND	1.87	93.4	2.00	2.27	
Total Xylenes*	1.05	0.150	04/25/2014	ND	5.67	94.4	6.00	1.26	
Total BTEX	2.87	0.300	04/25/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 % 89.4-12		6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result Reporting Limit 1780 16.0		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride			04/25/2014	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/25/2014	ND	187	93.6	200	2.79	
DRO >C10-C28	52.3	10.0	04/25/2014	ND	202	101	200	2.79	
Surrogate: 1-Chlorooctane	117 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	114 9	63.6-15	4						

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Notes and Definitions

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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Celey D. Keene



Company Name:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Project Manage	ject Manager: 5: Willson					P.O. #:											i	1		
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Sampler Name:	G. Parza				Fa	x #:												j .		j
FOR LAB USE ONLY				MATRIX	(PRE	SER	SAMPL	ING		\ \ \ .	V	1							l
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analyses. All claims include	ng those for negligence and any other cause whatsoever shall be	deeme	1 WAIV	ed unless made in wron	ng and reci	eved by	Cardina	wonin 30 days of	er completion of t	he applicat	ole									
servec. In no event shall Cardinal be laste for incidental or consequental damages, including without principles. It is a straight or incidental or consequental damages, including without principles. It is a straight or incidental reparatises of whether such claim substant upon Relinguished By: Date: Refered By: Refered By:								the above stated n		sult: t:	☐ Ye ☐ Ye		No No		Phone Fax#:					

BILL TO