District I 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. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico **Energy Minerals and Natural Resources**

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

P5XX1534948221 Form C-141 Revised March 17, 1999 Submit 2 Copies to appropriate District Office in accordance

with Rule 116 on back side of form

Release Notification and Corrective Action

•				OP	ERA:	<u>ror</u>		∑ In	ntial Rej	ort 🔀 F	inal Report
Name of C	Company	z: Devon	Energy			Contact:	Tracy Kidd				
Address:	P. O. Bo	x 250			,	Telephone	No.: 575-5	513-06	528		
Artesia, N.	M 88211					•					,
Facility N	ame: Tr	ionyx 6 Fe	ederal 7	& 8]	Facility T	ype: Oil We	ell			
Surface O	wner: F	ederal		Mineral	Owne	r:			API#:	30-025-4004	7
				LOCA	TION	OF REI	LEASE				
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/W	Vest Line	County	
P	6	25S	32E	200'	South		685'	East		LEA	
			1	NAT	URE	OF RELI	EASE				
Type of Relea	se: Produ	ced Water					Release – 10 bbls	s Oil	Volume R	ecovered – 2 bbls	Oil
Source of Rel	ease: Med	chanical failu	re: Load I	ine valve left op	en	1	our of Occurrence	c		Hour of Discovery	1/13/2/14;
Was Immedia	to Notice (Siven?				1/13/14; 2:	45 pm Whom? NMOC	TD / Co.	2:45 pm	na	
was minicula	ne Nonce C		Yes 🗌	No 🗌 Not Ro	quired	11 123, 10	WHOIII: INIVIOC	JD/ Ge	officy Lek	ing	
By Whom? J							our: 1/13/14				
Was a Watero	course Read		Yes 🛛	No		If YES, Vo	lume Impacting th	he Wate	rcourse.		
If a Watercou	eco was In										
ii a watercou	iise was iiii	pacted, Descr	ioc runy.								
Describe Cau	se of Probl	em and Reme	dial Action	Taken.* On Jan	uary 10,	2014 a 4-inc	th steel flow line	was four	nd to be lea	king due to corros	ion causing a
release of 12	barrels of p	roduced water	r. A vac tr	uck was immedia	tely call	ed to the loc	ation and recovere	ed 3 bar	rels. The fl	ow line was isolate	
							feet long by 15 to				1 11
										ation S-1 was exca hoe to a depth of 3	
										areas were backfill	
caliche and th	e location	was re-constru	icted. The	lab results are att	ached al	ong with a si	te map and ground	dwater o	data for the	area. The soil testing	
							further actions are			\n\cap	
										uant to NMOCD ru cases which may en	
										eve the operator of	
										, surface water, hu	
or the environ	ıment. İn a	ddition, NMC	OCD accept							ompliance with any	
federal, state,	or local lav	ws and/or regu	ılations.								
							OIL CONS	<u>SERV</u>	<u>ATION</u>	<u>DIVISION</u>	
Signature:											
Printed Name	: Sandra F	arley			1	Approved by	District Supervis	sor:			
						A			7	Data	
Title: Admin	rieid Supp	ort			1	Approval Dat	<u>e:</u>	t	Expiration 1		
D	. 1 . 1	DI 575	746 5507		Ι,	n 157 7	· 4 1			Attached	

Conditions of Approval:

Phone: 575-746-5587

Date: 6/3/2014

^{*} Attach Additional Sheets If Necessary

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HOBBS OCD

March 5, 2014

MAR 1 0 2014

AMARILLO 921 North Bivins Amarillo, Texas 79107 Phone 806.467.0607 Fax 806.467.0622

Mr. Geoffrey Leking NMOCD District I 1625 N. French Dr. Hobbs, NM 88240

RECEIVED

ARTESIA

408 West Texas Ave. Artesia, New Mexico 88210 Phone 575 746 8768 Fax 575.748.8905

Subject:

Soil Assessment and Remediation Work Plan

Devon Energy

Trionvx 6 Federal No. 7 API#: 30-025-40047

Dear Mr. Leking,

HOBBS 318 East Taylor Street Hobbs, New Mexico 88241 Phone 505.393.4261 Fax 505.393.4658

Devon Energy has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the referenced Trionyx 6 Federal No. 7. The incident description, soil assessment and proposed remediation activities consist of the following:

MIDLAND 2901 State Highway 349 Midland, Texas 79706 Phone 432.522.2133 Fax 432,522,2180

Background Information

OKLAHOMA CITY 7700 North Hudson Ave Suite 10 Oklahoma City, Oklahoma 73116 Phone 405.486.7030 Fax 806 467 0622

The Trionyx 6 Federal No. 7 is located approximately fifty-one (51) miles southeast of Carlsbad, New Mexico. The legal location for the site is Section 6, Township 25 South and Range 32 East in Lea County, New Mexico. More specifically the latitude and longitude for the location are 32.152456 North and -103.70759 West. A site plan is presented in Appendix I.

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

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Berino complex with 0 to 3 percent slopes eroded. The local surface and shallow geology, Quaternary Age sedimentary deposits, is comprised of alluvium and eolian sands which includes fine sandy loam under lain by sandy clay loam and hard caliches. Drainage courses in this area are normally dry. According to the New Mexico State Engineer web site indicates there is no ground water in the vicinity. See Appendix II for the referenced groundwater data.

The ranking for this site is 0 based on the as 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

Incident Description

On January 13, 2014 a water hauler failed to close the load line valve after he picked up water causing 10 barrels of produced water to be released on location. The impacted area measured approximately 75' long by 10' wide. A vacuum truck was immediately called to location and recovered 2 barrels of fluid.

Actions Taken

On, January 15, 2014 Talon/LPE mobilized personnel to begin the site assessment and soil sampling activities for the construction of a work plan. Grab soil samples were collected utilizing a hand auger to a depth of 0.5-feet due to refusal.

On February 25, 2014 Talon personnel returned to the site to collect additional soil samples utilizing a backhoe for further vertical delineation. Grab soil samples were collected to a depth of 3-feet deep.

Soil samples were collected by Talon personnel wearing clean nitrile gloves. The samples were placed in laboratory provided sample containers, iced and transported to Cardinal Laboratories in Hobbs, New Mexico. The samples were tested for TPH (Total Petroleum Hydrocarbons) using EPA Method 8015M, volatile organics (BTEX) using EPA Method 8021B and analysis of Chlorides using Method SM4500Cl-B. See Appendix III for complete report of laboratory results.

Laboratory Results

January 21, 2014

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0.5'	< 0.300	4960	<10	<10
S-2	0.5'	< 0.300	192	<10	<10
S-3	0.5'	< 0.300	960	<10	<10

March 4, 2014

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	1'		496		
	2'		176		
	3'		<16		
S-3	1,		1650		
	2'		672		
	3'		1550		

⁻⁻ Analyte Not Tested

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For this site's ranking, New Mexico Oil Conservation District action level criterion for BTEX is 50 mg/kg, Benzene is 10 mg/kg and TPH is 5,000 mg/kg. The chloride remediation standard is considered to be 1,000 mg/kg.

Proposed Remedial Actions

- The impacted soil from this release in the vicinity of sample location S-1 will be excavated with a backhoe to a depth of 1-foot deep.
- The impacted soil from this release in the vicinity of sample location S-3 will be excavated with a backhoe to a depth of 1.5-feet deep.
- The impacted soil will be transported to a NMOCD approved solid waste disposal facility.
- The excavated areas will be backfilled with caliche and the location will be recontoured.
- A final report documenting all field activities and lab reports will be provided to the BLM Carlsbad office and NMOCD Hobbs Office.

If we can provide additional information or be of further assistance please contact our office at 575.746.8768.

Respectfully submitted,

TALON/LPE

Kimberly M. Wilson

M. Wilson

Project Manager

David Adkins

Project Manager

Cc.

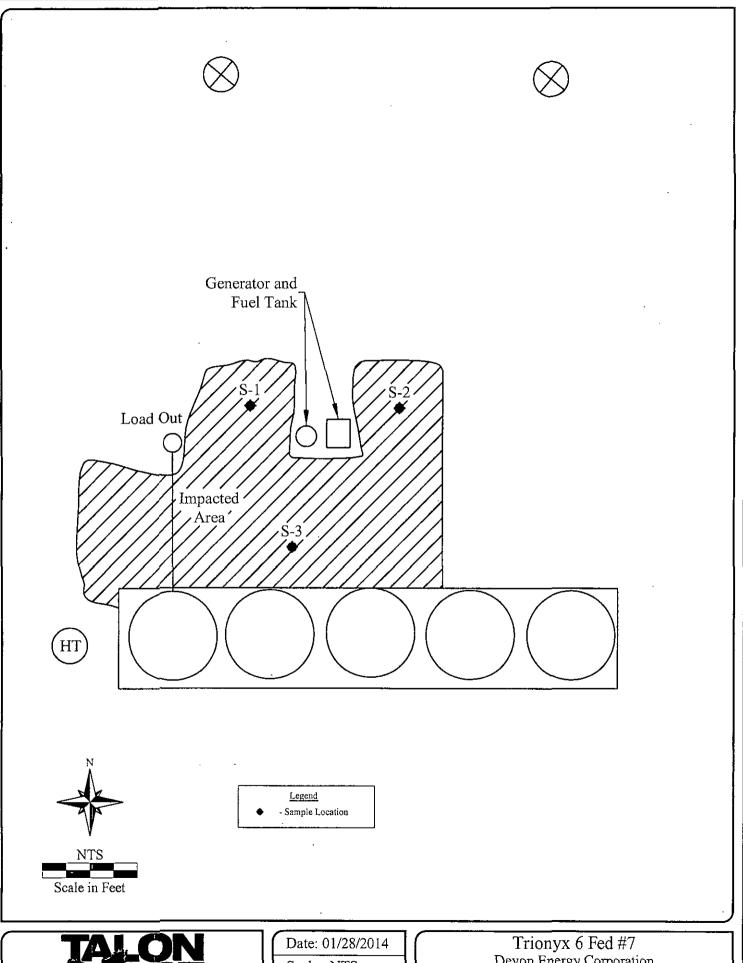
Jeffery Robertson, BLM

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APPENDIX I SITE MAP

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Scale: NTS

Drawn By: TJS

Trionyx 6 Fed #7
Devon Energy Corporation
Lea County, New Mexico
Figure 1 - Site Plan

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APPENDIX II GROUNDWATER DATA INITIAL C-141

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

(NAD83 UTM in meters)

(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

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

closed) (quarters are smallest to largest)

(In feet)

	POD Sub-	Q	Q	Q					`		Dépth	Depth Water
POD Number	Code basin Count	64	16	4 S	ec Tv	VS.	Rng	X	Y	Distance	-	Water Column
C 02568	ED	4	3	1	01 25	5S	31E	619103	3558892*	2944	1025	
C 02570	ED	4	2	4	02 25	5S	31E	618704	3558489* 🚱	3261	895	
<u>C 02569</u>	ED	4	4	2	02 25	5S	31E	618699	3558891* 🚱	3335	1016	
C 02572	ED	4	2	2	02 25	58	31E	618695	3559294* 🚱	3455	852	
C 02573	ED	1	4	2	02 25	58	31E	618499	3559091* 🚱	3579		
C 02571	ED	4	1	2	02 25	5S	31E	618292	3559294*	3836	860	
C 02574	ED	1	1	2	02 25	SS	31E	618092	3559494* 🚱	4090		
									Augus	as Danth to	VA/=+=	

Average Depth to Water:

Minimum Depth:

Maximum Depth:

Record Count: 7

UTMNAD83 Radius Search (in meters):

Easting (X): 621944

Northing (Y): 3558118

Radius: 5000

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APPENDIX III LABORATORY RESULTS

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January 21, 2014

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TRIONYX 6 FED. #7

Enclosed are the results of analyses for samples received by the laboratory on 01/15/14 13:30.

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

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. Keine

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

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TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

01/15/2014

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01/21/2014

Reported: Project Name:

TRIONYX 6 FED. #7

Project Number:

700794.087.01

Project Location:

P-S6-T25S-R32E

Sampling Date:

01/15/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-1 0.5' (H400124-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS		<u> </u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2014	ND	2.32	116	2.00	1.29	
Toluene*	<0.050	0.050	01/20/2014	ND	2.32	116	2.00	1.51	
Ethylbenzene*	<0.050	0.050	01/20/2014	ИD	2.30	115	2.00	1.47	
Total Xylenes*	<0.150	0.150	01/20/2014	ND	6.74	112	6.00	1.49	
Total BTEX	<0.300	0.300	01/20/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 89.4-12	6			· · · ·	1,1		
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	01/16/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Anaiyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10,0	01/17/2014	ND	42.2	84.4	50.0	3.99	
DRO >C10-C28	<10.0	10.0	01/17/2014	ND	46.9	93.8	50.0	3.76	
Surrogate: 1-Chlorooctane	75.6 9	% 65.2-14	0	,			·		
Surrogate: 1-Chlorooctadecane	78.5	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine

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

Received:

01/15/2014

Reported:

01/21/2014

Project Name: Project Number: TRIONYX 6 FED. #7

Project Location:

700794.087.01 P-\$6-T25S-R32E Sampling Date:

01/15/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-2 0.5' (H400124-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2014	ND	2.32	116	2.00	1.29	•
Toluene*	<0.050	0.050	01/20/2014	ND	2.32	116	2.00	1.51	
Ethylbenzene*	<0.050	0.050	01/20/2014	ND	2.30	115	2.00	1.47	
Total Xylenes*	<0.150	0.150	01/20/2014	ND	6.74	112	6.00	1.49	
Total BTEX	<0.300	0.300	01/20/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 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	192	16.0	01/16/2014	ND	416	104	400 .	3.92	
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	01/17/2014	ND	42.2	84.4	50.0	3.99	
DRO >C10-C28	<10.0	10.0	01/17/2014	ND	46.9	93.8	50.0	3.76	
Surrogate: 1-Chlorooctane	78.2	% 65.2-14	0			-			
Surrogate: 1-Chlorooctadecane	80.7	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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

Received: Reported: 01/15/2014

01/21/2014

Project Name: Project Number: TRIONYX 6 FED. #7 700794.087.01

Project Location:

Sampling Date:

01/15/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

P-S6-T25S-R32E

Sample ID: S-3 0.5' (H400124-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS		····	<u> </u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2014	ND	2.32	116	2.00	1.29	
Toluene*	<0.050	0.050	01/20/2014	ND	2.32	116	2.00	1.51	
Ethylbenzene*	<0.050	0.050	01/20/2014	ND	2.30	115	2.00	1.47	
Total Xylenes*	<0.150	0.150	01/20/2014	ND	6.74	112	6.00	1.49	
Total BTEX	<0.300	0.300	01/20/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	01/16/2014	ND	416	104	400	3.92	
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	01/17/2014	ND	42.2	84.4	50.0	3.99	
DRO >C10-C28	<10.0	10.0	01/17/2014	ND	46.9	93.8	50.0	3.76	ž.
Surrogate: 1-Chlorooctane	74.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	80.8	% 63.6-15	4 .						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Kuna

Celey D. Keene, Lab Director/Quality Manager

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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 SM4500Ci-B does not require samples be received at or below 6°C

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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March 04, 2014

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TRIONYX 6 FED. #7

Enclosed are the results of analyses for samples received by the laboratory on 02/27/14 14:13.

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 accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited accredited analytes are denoted by www.tceq.texas.gov/field/ga/lab accredited analytes are denoted by www.tceq.texas.gov/field/ga/lab accredited analytes are denoted by www.tceq.texas.gov/field/ga/lab accredited analytes are denoted by www.tceq.texas.gov/field/ga/lab accredited analytes are denoted by www.tceq.texas.gov/field/ga/lab accredited analytes are denoted by www.tceq.texas.gov/field/ga/lab accredited analytes are denoted by www.tceq.texas.gov/field/ga/lab accredited analytes are denoted by www.tceq.texas.gov/field/ga/lab accredited analytes are denoted by www.tceq.texas.gov/field/ga/lab accredited analytes are denoted by www.tceq.texas.gov/field/ga/lab accredited analytes are denoted by www.tceq.texas.gov/field

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. Keine

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

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	•		
			•



TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

02/27/2014

Sampling Date:

02/25/2014

Reported:

03/04/2014

Sampling Type:

Soil

Project Name:

TRIONYX 6 FED. #7

Sampling Condition:

Cool & Intact

Project Number:

700794.087.01

Project Location:

P-S6-T25S-R32E

Sample Received By:

Jodi Henson

Sample ID: S-1 1' (H400605-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	03/04/2014	ND	432	108	400	3.77	
						±	•		
Sample ID: S-1 2' (H400	605-02)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					····
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/04/2014	ND	432	108	400	3.77	
Sample ID: S-1 3' (H400	605-03)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2014	ND	432	108	400	3.77	
Sample ID: S-3 1' (H400	605-04)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1650	16.0	03/04/2014	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardifall's fability and dilent's exclusive rementy for any claim arising, whether based in contract or toxt, shall be limited to the amount pald by dient for analyses. All dalms, including those for negligence and any other cause whatsoever shall be deemed waked 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 profes incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keens

Celey D. Keene, Lab Director/Quality Manager

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TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

02/27/2014

Sampling Date:

02/25/2014

Reported:

03/04/2014

Sampling Type:

Soil

Project Name:

TRIONYX 6 FED. #7

Sampling Condition:

Cool & Intact

Project Number:

700794.087.01

Sample Received By:

Jodi Henson

Project Location:

Analyte

P-\$6-T25S-R32E

Sample ID: S-3 2' (H400605-05)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

% Recovery

True Value QC

RPD

Chloride

Result 672

16.0

Reporting Limit

Analyzed 03/04/2014 Method Blank ND

BS 432

108

400

3.77

Qualifier

Sample ID: S-3 3' (H400605-06)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1550	16.0	03/04/2014	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

any other cause whethoever shall be deemed waved 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 dan including, without limitation, bushness interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, requireless of whether

Celey D. Kuns

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 5

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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

Cardinal Laboratories

*=Accredited Analyte '

PLEASE NOTE: Liability and Damages. Cardnal's lability 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 whatescever shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be lable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by Client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such cluim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (576) 393-2326 FAX (576) 393-2476

	Sample Condition CHECKED BY: Cool Intact Check Dries	y s	Delivered By: (Circle One) Sampler - UPS - Bus - Other:
		Time:	
	зу: 🗸	Date: Received By:	relinquished by:
REMARKS:	- Martx -	Time: 12:13	The second second
Phone Result: U Yes U No Add'l Phone #: Fax Result: U Yes U No Add'l Fax #:		Date; Redeived By:	Relinguished By:
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by the client for the	PLEASE NOTE: Liabilly and Demages. Cardinal's stabley and cleant's exclusive remody for any adding sicing whether besed in contract or for, shall be limited to the seneral paid by the client for the cardinal stable and the contract of the process of the contract of the process of the process of the cardinal stable and the cardinal stable an	nd client's exclusive remedy for any claim; arising what other cause whatspayer shall be deemed walved unless	PLEASE NOTE: Dabilly and Damages. Cardinal a sabilty and analyses. All claims including those for nephganes and any c
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	City:	Project Owner: De Con	Project #: 200 294 087.01
	90S Address:	P Fax #: 575 - 746 - 8905	Phone #: 575 - 746 - 8768
	O Attn:	State: //m Zip: 882	B.
	Company: LACON		Address: 408 W. Jest
	P.O. #:		. !
ANALYSIS REQUEST		LPE	Company Name: [] [947]

† Cardinal cannot accept verbal changes. Please fax written changes to \$23,246

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

State of New Mexico Energy Minerals and Natural Resources

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

Form C-141

Revised August 8, 2011

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

Release Notification and Corrective Action

						OPERA T	ΓOR	⊠ In	itial Report 🔲 Final Report			
Name of Co	mpany De	von Energy	•			Contact Tracy Kidd						
Address PO	Box 250.	Artesia, NM	88211		1	Telephone No. 575- 513.0628						
Facility Nan	ie: Triony	x 6 Fed 7 &	8		I	Facility Type Oil Well						
Surface Own	ner Federa	1		Mineral O	wner			API	No. 3002540047			
				LOCA	TION	OF REI	LEASE					
Unit Letter P	Section 6	Township 25S	Range 32E	Feet from the 200		South Line outh	Feet from the 685	East/West Lin East	e County Lea .			
1]	Latitude: 32.15	24569	Longi	t ude:_ -103.7075	9				
				NAT	URE (OF RELI	EASE					
Type of Relea						Volume of	Release 10bbls	Volum	e Recovered 2bbls			
Source of Rel	ease mecha	mical failure:	Load line	valve left open		Date and H 01.13.2014	our of Occurrence; 2:45 PM	e Date at 2:45 P	nd Hour of Discovery 01.13.2014; M			
Was Immedia	te Notice C		Yes	No 🗌 Not Re	quired	If YES, To Tracy Kidd	Whom? I- Production Fore	eman				
By Whom? Jo	e Wilks		-			Date and H	our 01.13.2014					
Was a Watero		hed?			-		lume Impacting t	he Watercourse				
						N/A			_			
If a Watercou	rse was Im	pacted, Descri	be Fully.*	k								
N/A												
Describe Cau												
Water hauler	driver faile	d to close load	l line valv	e after water pick	up. Valv	e closed and	2 bbls of the 10b	bls were recove	red by vac truck.			
D1 A	A CC. at a d	and Classica A	ation Tale									
Describe Area					กแลโกด	10hbls RW	hucking recovere	d 2hhls with ya	truck. Affected soil will be			
				Sampling will be o				u 20013 With Va	truck. Affected soft will be			
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l hereby certit	fy that the i	nformation gi	ven ahove	is true and compl	ete to th	e best of my	knowledge and u	nderstand that n	ursuant to NMOCD rules and			
									eleases which may endanger			
public health	or the envir	onment. The	acceptanc	ce of a C-141 repo	rt by the	NMOCD ma	arked as "Final Ro	eport" does not:	elieve the operator of liability			
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Signature: So	ındra 1	-arley					<u> </u>	32310 1 1 1 1 1 1 0				
		•		-				•	}			
Printed Name	: Sandra F	arley			<i>F</i>	Approved by	Environmental Sp	pecialist:				
Title: Field A	dmin Supp	oort			A	Approval Dat	e:	Expiration	on Date:			
E-mail Addre	ss: Sandy.)	Farley@dvn.c	com			Conditions of	Approval:		Attacked [
	1014		D.	### ## C == 0 #					Attached			
Date: 01.14.2		ets If Necess		: 575.746.5587								

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AMARILLO

921 North Bivins Amarillo, Texas 79107 Phone 806.467.0607 Fax 806 467,0622

ARTESIA

408 West Texas Ave. Artesia, New Mexico 88210 Phone 575,746,8768 Fax 575.748.8905

HOBBS

318 East Taylor Street Hobbs, New Mexico 88241 Phone 505.393.4261 Fax 505.393.4658

MIDLAND

2901 State Highway 349 Midland, Texas 79706 Phone 432,522,2133 Fax 432.522.2180

OKLAHOMA CITY

7700 North Hudson Ave Suite 10 Oklahoma City, Oklahoma 73116 Phone 405,486,7030 Fax 806.467.0622

> SAN ANTONIO 13111 Lookout Way

San Antonio, TX 78233 Phone 210,265,8025 Fax 210.568.2191

ENVIRONMENTAL CONSULTING ENGINEERING DRILLING CONSTRUCTION SPILL MANAGEMENT GENERAL CONTRACTING

> Toll Free: 866.742.0742 www.talonlpe.com

June 11, 2014

Mr. Geoffrey Leking NMOCD District I 1625 N. French Dr. Hobbs, NM 88240

Subject:

Remediation and Closure Report

Devon Energy

Trionyx 6 Federal No. 7 API#: 30-025-40047

Dear Mr. Leking,

Devon Energy had contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the referenced Trionyx 6 Federal No. 7. The results of our soil assessment, completed remediation activities and closure request are submitted herein.

HOBBS OCD

JUN 1 2 2014

Background Information

The Trionyx 6 Federal No. 7 is located approximately fifty-one (51) miles southeast of Carlsbad, New Mexico. The legal location for the site is Section 6, Township 25 South and Range 32 East in Lea County, New Mexico. More specifically the latitude and longitude for the location are 32.152456 North and -103.70759 West. A site plan is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Berino complex with 0 to 3 percent slopes eroded. The local surface and shallow geology, Quaternary Age sedimentary deposits, is comprised of alluvium and eolian sands which includes fine sandy loam under lain by sandy clay loam and hard caliches. Drainage courses in this area are normally dry. According to the New Mexico State Engineer web site indicates there is no ground water in the vicinity. See Appendix II for the referenced groundwater data.

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

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

> ironmental Specialist MOUCD-DIST 1

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Incident Description

On January 13, 2014 a water hauler failed to close the load line valve after he picked up water causing 10 barrels of produced water to be released on location. The impacted area measured approximately 75' long by 10' wide. A vacuum truck was immediately called to location and recovered 2 barrels of fluid.

Remedial Actions

On May 14, 2014 Talon personnel mobilized to the site to begin excavation of the impacted area in accordance with the New Mexico Oil Conservation Division (NMOCD) approved work plan with stipulation. See Appendix II.

The impacted soil from this release in the vicinity of sample location S-1 was excavated with a backhoe to a depth of 1-foot deep and the impacted soil in the vicinity of sample location S-3 was excavated with a backhoe to a depth of 3.5-feet deep. A confirmation sample was obtained at S-3 and is presented below.

The impacted soil was transported to a NMOCD approved solid waste disposal facility, Lea Land, LLC. The excavated areas were backfilled with new caliche and the location was re-constructed.

Laboratory Results

May 22, 2014

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-3	3.5'		<16		

⁻⁻Analyte Not Tested

For this site's ranking, New Mexico Oil Conservation District action level criterion for BTEX is 50 mg/kg, Benzene is 10 mg/kg and TPH is 5,000 mg/kg. The chloride remediation standard is considered to be 1,000 mg/kg.

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Closure

On behalf of Devon Energy, we respectfully request that no further actions be required and that closure with respect 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

Kimberly M. Wilson Kimberly M. Wilson

Project Manager

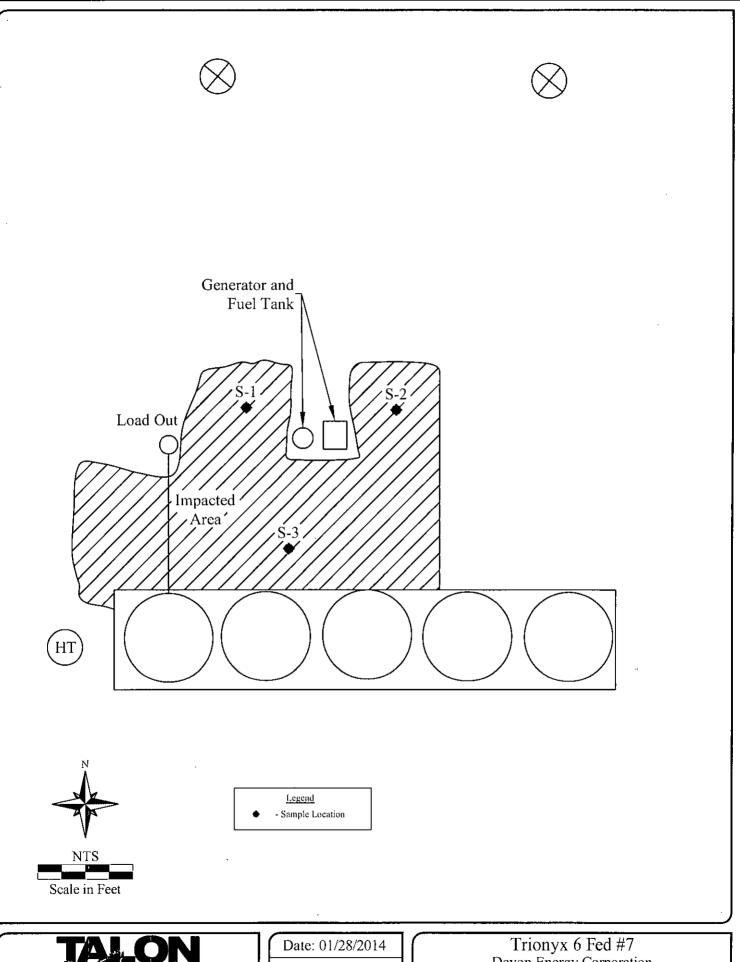
David Adkins

Project Manager

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SITE MAP

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Scale: NTS

Drawn By: TJS

Trionyx 6 Fed #7
Devon Energy Corporation
Lea County, New Mexico
Figure 1 - Site Plan

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APPENDIX I GROUNDWATER DATA NMOCD DISTRICT I STIPULATION



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

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

closed)

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

(In feet)

	POD Sub-	Q	Q C)				`		Depth	Depth Water
POD Number	Code basin County	64	6 4	Sec	Tws	Rng	X	Y	Distance	•	Water Column
C 02568	ED .	4	3 ′	1 01	258	31E	619103	3558892*	2944	1025	
<u>C 02570</u>	ED	4	2 4	1 02	25\$	31E	618704	3558489* 🚱	3261	895	
C 02569	ED	4	4 2	2 02	25S	31E	618699	3558891* 🚱	3335	1016	
C 02572	ED	4	2 2	2 02	258	31E	618695	3559294*	3455	852	
<u>C 02573</u>	ED	1	4 2	2 02	258	31E	618499	3559091* 🌮	3579		
C 02571	ED	4	1 2	2 02	25S	31E	618292	3559294*	3836	860	
C 02574	ED	. 1	1 2	2 02	258	31E	618092	3559494* 🚱	4090		

Average Depth to Water:

Minimum Depth: -

Maximum Depth:

Record Count: 7

UTMNAD83 Radius Search (in meters):

Easting (X): 621944

Northing (Y): 3558118

Radius: 5000

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

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•			

Kimberly M. Wilson

From: Leking, Geoffrey R, EMNRD [GeoffreyR.Leking@state.nm.us]

Sent: Thursday, May 08, 2014 3:25 PM
To: Kimberly M. Wilson; Robertson, Jeffery

Cc: David Adkins

Subject: RE: Trionyx 6 Federal #7

Kim

Further vertical delineation is requested at S3 for chloride as the concentration increased to over the 1000 ppm RRAL in the bottom sample at this location at a depth of 3 feet. Only excavating to 1.5 feet will miss this contamination and possibly additional contamination above 1000 ppm at depth. If you would like, excavate past 3' at this area and then field test and see where you are with the chloride concentration. Please contact me if you have questions. Thanks Kim.

Geoffrey Leking Environmental Specialist NMOCD-Hobbs 1625 N. French Drive Hobbs, NM 88240

Office: (575) 393-6161 Ext. 113

Cell: (575) 399-2990

email: geoffreyr.leking@state.nm.us

From: Kimberly M. Wilson [mailto:kwilson@talonlpe.com]

Sent: Wednesday, May 07, 2014 1:42 PM

To: Robertson, Jeffery; Leking, Geoffrey R, EMNRD

Cc: David Adkins

Subject: FW: Trionyx 6 Federal #7

Gentleman,

Can you please look at this work plan for the above referenced release. Devon would like us to move on this as soon as possible.

Kimberly M. Wilson

Project Manager Talon/LPE 408 West Texas Avenue Artesia, New Mexico 88210 Office: 575.746.8768

Fax: 575.746.8905 Cell: 575.602.3826 Emergency: 866.742.0742 Email: kwilson@talonlpe.com Web: www.talonlpe.com



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APPENDIX II LABORATORY RESULTS

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May 22, 2014

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TRIONYX 6 FED. #7

Enclosed are the results of analyses for samples received by the laboratory on 05/16/14 11:15.

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

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

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Analytical Results For:

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

Received:

05/16/2014

Sampling Date:

05/14/2014

Reported:

05/22/2014

Sampling Type:

Cail

Project Name:

TRIONYX 6 FED. #7

Sampling Condition:

** (See Notes)

Project Number:

700794.087.01

Sample Received By:

Jodi Henson

Project Location:

P-S6-T25S-R32E

Sample ID: S-3 3.5' (H401504-01)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/20/2014	ND	400	100	400	0.00	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's labelity 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 neplegence and any other cause whatsoever shall be deemed valved 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, multiumly limitation, business interruptions, loss of use, or loss of profits incurred by Clarinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results refact only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

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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 SM4508Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

0147-000 (010) VW-1 0707-000 (010)			1
ompany Name: Talon/LPE		B/1/L/TO	ANALYSIS REQUEST
roject Manager: Himberly M.C.	ilso-	P.O. #:	
ddress: 408 W. Texas Ave.		Company: Talon/LPE	
ity: Artesia state: NM zip: 88210	zip: 88210	Attn:	
hone #: 575-746-8768 Fax #: 575-746-8905	46-8905	Address:	
roject#: 700794,087.0/ Project Owner:	1	City:	
roject Name: BLEFILLS (1) FER HT	allon	State: Zip:	
roject Location:		Phone #:	
ampler Name: KEN Chock		Fax #:	
	MATRIX	PRESERV, SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE/COOL OTHER: DATH	- Chlore
1 5-3 3.5'			
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