AUG 2 4 2016 J B

Administrative/Environmental Order



AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pKJ1618738611

1RP - 4334

DEVON ENERGY PRODUCTION COMPANY, LP

7/25/2016

NMOCD - FILE COPY

HOBBS OCD

JUL 0 2 2012

RECEIVED

KLPE

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 575.746.8905

> AUSTIN 9II West Anderson Lane Suite 202 Austin, Texas 78757 Phone 512.989.3428 Fax 512.989.3487

HOBBS 318 East Taylor Street Hobbs, New Mexico 88240 Phone 575.393.4261 Fax 575.393.4658

> MIDLAND 2901 State Hwy 349 Midland, Texas 79706 Phone 432.522.2133 Fax 432.522.2180

SAN ANTONIO II Commercial Place Schertz, Texas 78154 Phone 210.265.8025 Fax 210.568.2191

TULSA 525 South Main Street Suite 535 Tulsa, Oklahoma 74103 Phone 918.742.0871 Fax 918.382.0232

ENVIRONMENTAL CONSULTING ENGINEERING DRILLING CONSTRUCTION SPILL MANAGEMENT GENERAL CONTRACTING

Toll Free: 866.742.0742 www.talonlpe.com July 1, 2012

Mr. Geoffrey Leking NMOCD District 1 1625 N. French Drive Hobbs, NM 88240

Subject:

Soil Assessment and Remediation Work Plan Devon Energy Uncle Sam 13 Federal No. 1 API # 30-025-30732

Dear Mr. Leking,

Devon Energy has contracted Talon/LPE (Talon) to perform soil sampling and remediation services at the referenced Uncle Sam Federal No. 1 release. Our soil sampling results and proposed remediation activities consist of the following:

Incident Date

May 28, 2012

Background Information

The Uncle Sam 13 Federal No. 1 is located approximately forty-five (45) miles east of Artesia, New Mexico. The legal location for the site is Section 13, Township 18 South and Range 32 East in Lea County, New Mexico. More specifically, the latitude and longitude for the release are 32.751905 North and -103.717712 West.

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 Kermit-P Palomas fine sands with 0 to 12 percent slopes. The local surface and shallow geology is Quaternary in age and is comprised of eolian sands and piedmont deposits which include silty soils under lain with hard caliche. The USGS Water Data web site indicates the nearest ground water data to be in S22-T18S-R32E. The ground water in Section 22 is reported to be at depth of 429.49' below ground surface (bgs). The referenced groundwater data is presented in Appendix I.

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'

Review & Commented Julie Lebins Env: Specialist NMOCD-DISTI 716/12

Incident Description

On May 28, 2012 corrosion on the piping of the heater treater lead to a release of 50 barrels of produced water and 5 barrels of oil to be released. All fluids were contained within the bermed area of the heater treater. A vacuum truck was immediately brought to the location and recovered 5 barrels of oil and 10 barrels of produced water. The heater treater was repaired.

Actions Taken

On June 8, 2012 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 4-feet below ground surface. Soil sample locations are illustrated on the attached site plan.

All soil samples were collected by Talon personnel wearing clean nitrile gloves. The soil samples were placed in laboratory provided sample containers, iced and transported to Cardinal Laboratories in Hobbs, New Mexico for analysis. The samples were tested for TPH (Total Petroleum Hydrocarbons) using EPA Method 8015M, and volatile organics (BTEX) using EPA Method 8021B. The chlorides were analyzed per SM4500CL-B. The complete laboratory reports are attached as Appendix II.

Analytical Results

Analytical results received from Cardinal Laboratories are summarized below:

June 14, 2012

Sample	Depth	BTEX	Chlorides	TPH (mg/kg)
S-1, Berm Area	0'	191.5	1,550	47,820
	1'	1.968	384	3,570
	2'	0.072	96	5,000
	4'	< 0.150	96	16

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.

Summary and Conclusions

- Ground water in the project vicinity is approximately 429-feet below land surface per data obtained from the USGS Water Data web site.
- Based upon the results of the laboratory data obtained for this investigation, the vertical impacts of the hydrocarbon release have been documented to extend 2-3 feet below ground surface.

Proposed Remedial Actions

- The impacted area within the berm of the heater treater will be excavated to a depth of 2.5-feet deep and transported to a NMOCD approved solid waste disposal facility.
- Confirmation soil samples will be collected upon completion of the excavation activities. The soil samples will be submitted to the laboratory for TPH analysis using Method 8015M, and BTEX analysis using Method 8021B.
- Upon NMOCD approval of the confirmation samples, the excavated area will be backfilled to grade using new material transported from a local borrow pit. The area will be contoured to match the existing location.
- A final report documenting all field activities and lab reports will be provided to the NMOCD Hobbs Office utilizing Form C-141.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575.746.8768.

Respectfully submitted,

TALON/LPE

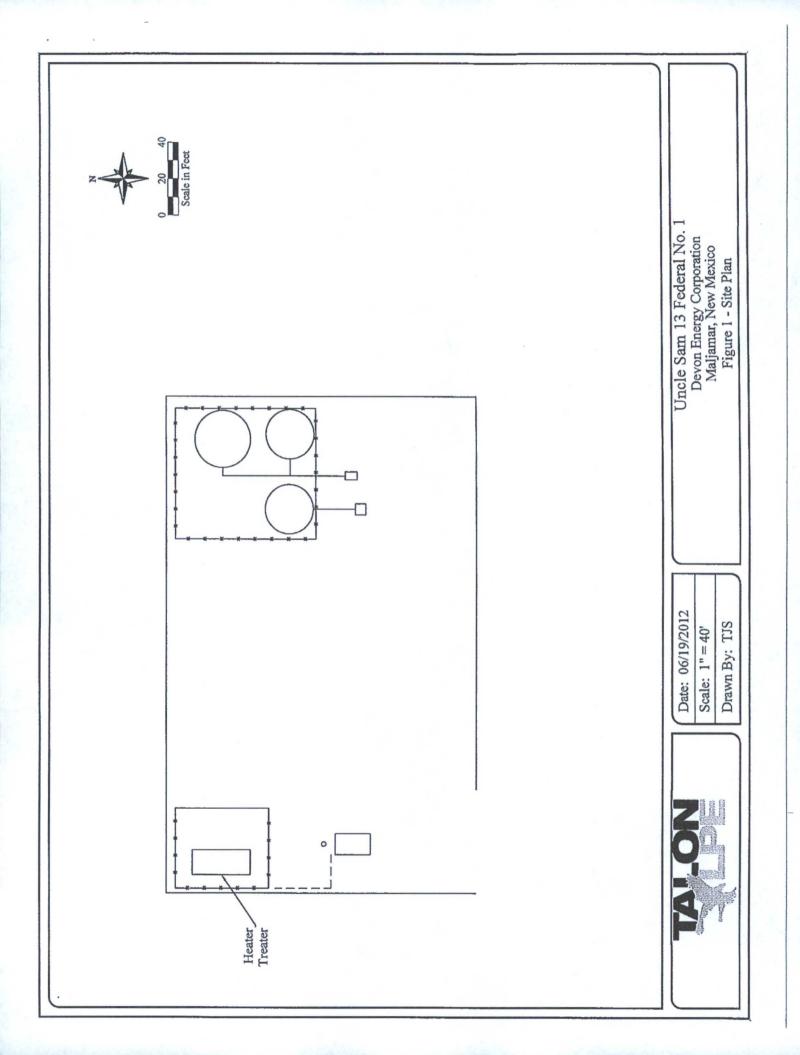
mile(Stullfield

Mike Stubblefield Project Manager

ditien

David J. Adkins District Manager

SITE MAP



APPENDIX I GROUNDWATER DATA INITIAL C-141

Kimberly M. Wilson

-

UL SEC TWN RNG SPOT

DATE

LEVEL

					~	0.0
34	22	20	16	16	07	04
18S	18S	18S	18S	18S	18S	18S
32E	32E	32E	32E	32E	32E	32E
22200	32322	14411	22433	223433	44233	144 44
LEA	LEA	LEA	LEA	LEA	LEA	LEA
SEO	SEO	SEO	SEO	SEO	SEO	SEO
-		-	-	-	-	
1 18S.32E.34.22200	1 18S.32E.22.32322	18S.32E.20.14411	18S.32E.16.22433	18S.32E.16.223433	18S.32E.07.44233	18S.32E.04.144 18S.32E.07.44
18S.32E.34.22200 1981-03-12	1 18S.32E.22.32322 1986-03-25	18S.32E.20.14411 1991-05-14	18S.32E.16.22433 1968-03-18	18S.32E.16.223433 1991-10-17	18S.32E.07.44233 1996-01-30	18S.32E.04.144 18S.32E.07.44

Kimberly,

Please change the depth to water and site ranking for the Devon Energy Uncle Sam 13 Federal No.1 with the attached water information.

Mike Stubblefield Project Manager Talon/LPE 408 West Texas Avenue

ш

District I 1625 N. French Dr., Hobbs, NM 88240 District JI 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 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

			Rel	ease Notific	cation	and Co	orrective A	ction			
				01	PERA	FOR		🛛 Initial F	leport		Final Report
Name of	Company	y Devon E	nergy		1	Contact Merle Lewis					
Address P. O. Box 250						Telephone	No. 575-7	48-6304			
Artesia, N	second do not second as a second do not second as a second do not second do not second do not second do not se	and the second se									
Facility N	lame Un	cle Sam 13	B Federa	ıl 1		Facility T	ype Oil We	11			
Surface C	wner			Mineral	Owne	r		Leas	se No.		
				LOCA	ATION	OF RE	LEASE				
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/West Lin	e Co	unty	
В	13	18S	32E	990	North		1980	East	Lea	a	
		,		NAT	TIRE	OF REL	FASE				
Type of Rele	ase 50 bbls	Produced Wa	ter / 5 bbl		UNE		Release 55 bbls	Volum	e Reco	vered 5 o	oil / 10 Produced
G	1							Water		471	- 10.0 10.0
Source of Re Corrosion sp		e				5/28/12, 1	Iour of Occurrence :45AM	Date a		r of Discov	very 5/28/12,
Was Immedi	ate Notice		Ves] No 🗌 Not R	equired		Whom? BLM/ N	Aarlain Eaton &	OCD/	Eli Gonza	les
By Whom?	Merle Lev				equireu	Date and H	Jour 5/28/12 B	IM/A.15PM		2004	
Was a Water		ched?				Date and Hour 5/28/12, BLM / 4:15PM, OCD/ 4:20PM If YES, Volume Impacting the Watercourse.					
			Yes 🛛	No							
If a Watercon	urse was Im	pacted, Descr	ibe Fully.	*							
N/A											
Describe Cau	use of Prob	lem and Reme	dial Actio	n Taken.*							
At the Uncle	e Sam 13 Fe	ed I battery, a	nipple on	a water dump dev	veloped a	a leak, resulti	ng in a spill of 50	bbls of produce	d water	and 5bbl s	spill of oil.
Describe Are	a Affected	and Cleanup	Action Tal	ken.*							
				ot on the nipple, w					the hea	ater treater	berm. A
vacuum truci	k was able t	o recover 5 ba	arrels of of	l and 10 barrels o	of produc	ed water. Ta	ion will complete	e clean-up plan.			
I hereby cert	ify that the	information g	iven above	e is true and comp	plete to th	ne best of my	knowledge and u	understand that p	ursuant	to NMOO	CD rules and
				nd/or file certain i ce of a C-141 repo							
should their	operations l	nave failed to	adequately	investigate and i	remediate	e contaminati	ion that pose a thi	reat to ground w	ater, sur	face water	r, human health
		addition, NMO		otance of a C-141	report de	oes not reliev	e the operator of	responsibility for	r comp	liance with	n any other
Tederal, state	, or rocar ia	no una or reg	unutrons.				OIL CON	SERVATIC	NDI	VISION	1
Circulation (an al a R	uto us o sto									-
Signature: G	racie Bi	istainante	<i>.</i>			Annroved by	District Superv	isor			
Printed Nam	e: Gracie E	Bustamante				-pproved by	2 million oupor v				
Title: Field	Adm. Supp	ort				Approval Da	te:	Expirati	on Date	:	
Date: 5/30/12 Phone: (575) 746-5561 Conditions of Approval:							f Approval:		A	ttached [

* Attach Additional Sheets If Necessary

	New Water (State Dep	0			er
(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)						E 3=SW argest)	,	3 UTM in me	ters)	(In feet)	
	POD		QQ	Q							Depth	Depth	Water
POD Number	Code Subbasin	County	64 16	4 :	Sec	Tws	Rng	х	Y	Distance		Water (
. 03454	L	LE	2	2	30	18S	33E	622200	3621422*	3744	100	35	6
									Averag	ge Depth to	Water:	35 f	eet
										Minimum	Depth:	35 1	eet
										Maximum	Depth:	35 1	eet
Record Count: 1													

UTMNAD83 Radius Search (in meters):

Easting (X): 620425

Northing (Y): 3624719

Radius: 4000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

APPENDIX II

LABORATORY RESULTS



PHONE (575) 393-2326 * 101 E. MARLAND * HOBBS, NM 88240

June 14, 2012

MIKE STUBBLEFIELD TALON LPE 408 W. TEXAS AVE. ARTESIA, NM 88210

RE: UNCLE SAM 13 FED. NO. 1

Enclosed are the results of analyses for samples received by the laboratory on 06/08/12 13:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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.

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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager

Page 1 of 8

CARDINAL

PHONE (575) 393-2326 . 101 E. MARLAND . HOBBS, NM 88240

Analytical Results For:

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

Received:	06/08/2012	Sampling Date:	06/08/2012
Reported:	06/14/2012	Sampling Type:	Soil
Project Name:	UNCLE SAM 13 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.029.01	Sample Received By:	Jodi Henson
Project Location:	SEC.13 - T19S - R32E		

Sample ID: S-1 0' BERMED AREA (H201298-01)

BTEX 8021B	mg	/kg	Analyze	d By: ZZZ			×		S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.30	0.500	06/13/2012	ND	2.10	105	2.00	4.88	
Toluene*	36.7	0.500	06/13/2012	ND	2.17	109	2.00	2.07	
Ethylbenzene*	50.5	0.500	06/13/2012	ND	2.21	111	2.00	1.77	
Total Xylenes*	101	1.50	06/13/2012	ND	6.86	114	6.00	0.457	
Surrogate: 4-Bromofluorobenzene (PID	185	% 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	1550	16.0	06/12/2012	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	6420	200	06/12/2012	ND	176	88.0	200	4.28	
DRO >C10-C28	41400	200	06/12/2012	ND	172	86,2	200	7.49	
Surrogate: 1-Chlorooctane	562	65.2-14	0						
Surrogate: 1-Chlorooctadecane	1970	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

RESEE MOTE: Liability and Dumages. Candral's Liability and elevel's enduine remedy for my data mining, whether based is realized or tort, shall be torded to the amount paid by dent for analyses. As deterd, including those for registrance and any other cases whateness mining whether based is realized and the state of the second and the state for tode-tode or consequencial damages, including whose bitmation, budiness bitmaption, budiness bitmaptions, budiness bitmaption, budiness, b

Celey D. Kune



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	06/08/2012	Sampling Date:	06/08/2012
Reported:	06/14/2012	Sampling Type:	Soil
Project Name:	UNCLE SAM 13 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.029.01	Sample Received By:	Jodi Henson
Project Location:	SEC.13 - T19S - R32E		

Sample ID: S-1 1' (H201298-02)

BTEX 8021B	mg	kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.075	0.050	06/13/2012	ND	2.10	105	2.00	4.88	
Toluene*	0.933	0.050	06/13/2012	ND	2,17	109	2.00	2.07	
Ethylbenzene*	0,379	0.050	06/13/2012	ND	2.21	111	2.00	1.77	
Total Xylenes*	0.581	0.150	06/13/2012	ND	6.86	114	6.00	0.457	
Surrogate: 4-Bromofluorobenzene (PIL	123	% 89.4-12	5						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	06/12/2012	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	06/12/2012	ND	176	88.0	200	4.28	
DRO >C10-C28	3570	50.0	06/12/2012	ND	172	86.2	200	7.49	
Surrogate: 1-Chlorooctane	95.0	% 65.2-14	0						

Cardinal Laboratories

*=Accredited Analyte

REASE NOTE: Libbity and Damages. Candral's labity and clerit's exclusive remarky for any daim straing, whether leaved in output or test, shall be limited to the amount paid by clerit for analyses. All daims, including bloss for registeron and any other cause whethere shall be deemed whether whether whether by Candral within thitly (23) days after completion of the applicable service. In no event shall Candral be table for industry by clerit at analyses, including, which iterations, business interruptions, bus of use, to the strain day block, its ackeletings, whether and the applicable service. In no event shall candral be table for industry by cleric at a substances which is based upon any of the shore stated reasons or chemise. Realts man candral be applicable as the substance of the services interruptions, bus due, the same and the shore stated reasons or chemise. Realts mines only be the state of the dates in the services interruption of the services interruption and the services interruption and analyses.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 8



PHONE (575) 393-2326 * 101 E. MARLAND * HOBBS, NM 88240

Analytical Results For:

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

Received:	06/08/2012	Sampling Date:	06/08/2012
Reported:	06/14/2012	Sampling Type:	Soil
Project Name:	UNCLE SAM 13 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.029.01	Sample Received By:	Jodi Henson
Project Location:	SEC.13 - T19S - R32E		
rioject Ebebaon,	SECIIO TIDO NOLL		

Sample ID: S-1 2' (H201298-03)

BTEX 8021B	mg	/kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2012	ND	1.91	95.5	2.00	2.76	
Toluene*	0.072	0.050	06/14/2012	ND	1.93	96.3	2.00	3,98	
Ethylbenzene*	<0.050	0.050	06/14/2012	ND	1.97	98.4	2.00	4.72	
Total Xylenes*	<0.150	0.150	06/14/2012	ND	5.99	99.8	6.00	6.57	
Surrogate: 4-Bromofluorobenzene (PIL	102	% 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	96.0 16.0		06/12/2012 ND		416 104		400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06
Analyte	Result Reporting Limit		Analyzed	Analyzed Method Blank		% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100 100		06/12/2012	ND	176	88.0	200	4.28	
DRO >C10-C28	5000	100	06/12/2012	ND	172	86.2	200	7.49	
Surrogate: 1-Chlorooctane	86.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	242	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

REASE MOTE: Liability and Derages. Cardinals Eabling and effects exclude remedy for any data anting, whether based in contract or tort, shall be initiad to the answer guid by deel for analyses. All claims, including these for regispence and any other cause whateness shall be deemed whiled unders made in whithy cardine which fifty (20) days after completion of the applicable service. In no event what Contral be table for indexnal or consequential damages, including, which initiation, business historytoins, least or table or just and public damages. This substitution or the applicable service. This performance of the service shall contral be table for indexnal or consequential damages, including writes the state sector state conserver of the service state complete service.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 8



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	06/08/2012	Sampling Date:	06/08/2012
Reported:	06/14/2012	Sampling Type:	Soil
Project Name:	UNCLE SAM 13 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.029.01	Sample Received By:	Jodi Henson
Project Location:	SEC.13 - T19S - R32E		

Sample ID: S-1 3' (H201298-04)

BTEX 8021B	mg/	/kg	Analyze	d By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2012	ND	1.91	95.5	2.00	2.76		
Toluene*	<0.050	0.050	06/14/2012	ND	1.93	96.3	2.00	3.98		
Ethylbenzene*	<0.050	0.050	06/14/2012	ND	1.97	98.4	2.00	4.72		
Total Xylenes*	<0.150	0.150	06/14/2012	ND	5.99	99.8	6.00	6.57		
Surrogate: 4-Bromofluorobenzene (PIL	102 5	89.4-12	6							
Chloride, SM4500Cl-B	mg	'kg	Analyze	d By: AP		18.4 A				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/12/2012 ND		416	104	400	0.00		
TPH 8015M	mg/kg		Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0 10.0		06/12/2012	ND	176	88.0	200	4.28		
DRO >C10-C28	16.0	10.0	06/12/2012	ND	172	86.2	200	7.49		
Surrogate: 1-Chlorooctane	91.5	% 65.2-14	0							
Surrogate: I-Chlorooctadecane	111 9	63.6-15	1							

Cardinal Laboratories

*=Accredited Analyte

REDSE NOTE: Libbity and Damages. Cardrain labity and clerk's exclusive memory for any chem arising, whether based in exclusive tart, shall be limited to the amount paid by clerk for analyses. All deares, including these for negligence and any other cause whatteen shall be deemed wheth unless racks in writing and reached by Cardrain which Túly (SU) cays after campition of the sophishie services. In no event shall Cardrain the inter for including these for negligence and including, without imitation, barriess itemptions, base of use, or loss of profits hoursed by clerk, its subditaries, stillatus or excessors arising out of the sophishies tarted as the performance of the services. Here, the performance of the services terms. Cardrain, ingendees of whether such claims based upon my of the above stability reservices.

Celey D. Keine



Analytical Results For:

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

Received:	06/08/2012	Sampling Date:	06/08/2012
Reported:	06/14/2012	Sampling Type:	Soll
Project Name:	UNCLE SAM 13 FED. NO. 1	Sampling Condition:	Cool & Intact
Project Number:	700794.029.01	Sample Received By:	Jodi Henson
Project Location:	SEC.13 - T19S - R32E		

Sample ID: S-1 4' (H201298-05)

BTEX 8021B	mg,	/kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2012	ND	1.91	95.5	2.00	2.76	
Toluene*	<0.050	0.050	06/14/2012	ND	1.93	96.3	2.00	3.98	
Ethylbenzene*	< 0.050	0.050	06/14/2012	ND	1.97	98.4	2.00	4.72	
Total Xylenes*	<0.150	0.150	06/14/2012	ND	5.99	99.8	6.00	6.57	

Surrogate: 4-Bromofluorobenzene (PID 104 % 89.4-126

Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/12/2012	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		06/12/2012	06/12/2012 ND		88.0	200	4.28	
DRO >C10-C28	76.7	10.0	06/12/2012	ND	172	86,2	200	7.49	
Surrogate: 1-Chlorooctane	93.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	112 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

REASE NOTE: Liability and Demogras. Condruits (ability and client's endusive remody for any daim whiley, whether based in contrast or lost, shall be limited to the amount paid by client for analyses. As chims, including these for repliquence and any other cause whathere based in contrast or lost, shall be limited to the amount paid by client for analyses. As chims, including these for repliquence and any other cause whathere based withing including these for repliquence and any other cause whathere based in contrast or lost paid and analyses. As chims, including these for repliquence and any other cause whathere whathere and the services in the owner, and the liable for including these for repliquence and the services including, which a state data withing the analysis, including, which a state completion of the applicable service. In no event shall clients the liable for including these for most paid data state completion, business interpretion, interpretion and by duent, it is based upon any of the above stated resonance of the approximate on the approximate interpretion and by duent, it is based upon any of the above stated resonance on the approximate interpretion and approximate interpretion and approximate interpreting and approximate inte

Celecy D. Keine



PHONE (575) 393-2326 * 101 E. MARLAND * HOBBS, NM 88240

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 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

ALEASE NOTE: Lability and Demages. Cardnal's Lability and dent's exclusive remarks for any claim adving, inforter based in outpart or lost, shall be limited to the amount paid by direct for analyses. All chains, industry lites for negligence and any other cause whatever shall be deemed wither under an each white the Cardnal by C

Celeg D. Keene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

ANALVOIS DEGUIEST								139		2							D No Add'I Phone #: D No Add'I Fax #:				
	.#	Company: Talenk PE	Attn:	Address:	City:	State: Zp:	Phone #:	ESERV SAMPLING	8138: 8138: 1000 1971 1971 1971 1971 1971 1971 1971			1:32		1 6/6/2012 11:541A		and be dermet stellen unterster stellen de normbrad in trad. De littliched de namen ja beit bet bet derm late i all be dermet stellen unters made in verling ond soutevel by Coursea and sch den soute, and der der bet de optim delette verlend stellensten, bestendenten, best och can er frage og profils normer of tradition. De optimisten	Received By: A Fax Result: 0 Yes	4CMUCY REMARKS:			15751 39342376
(575) 393-2326 FAX (575) 393-2476	1157-	stad	State: R/M Zip: 99710	Fax #:	of Project Owner. Dovon Estor V Carp	13 Fed. No. 1 - 1/	35.432E		а оя (с)омр. Италиера Италиера Иоматер Тематер	1089 (00 #	alca			2		16 4 6 1	24	Date: 34 Wells	Linuc.	1.5 C BOOLANTER	+ Cardinal cannot accent varhal changes Blasce fax written changes to (575) 303/335
(575) 393-2326 F	Project Manager: mit. C. L. C.			Phone #: \$25-441.7254	Project #: 200794.029.01	Project Name: Uncle Sam 13 Feel. No.	Project Location: 5cc. 13 - 7:95-432 E		Lab I.D. Sample I.D.	852102H	- 1 S.1 0 bernach	3 5.1 1	45.13'	+ 1-S S		PLEASE NOTE: Labelly and Demogra. Cardenal's acallity and client's architche reme analyser. All deline technicing ticose for negligences and any other enuer un-stacence at new loss. In ne event shall Cardinal be tablic or includual or consequential damages. In	Relinquished By: Color and Color an	Refinquished By:	Colineerd Bur (Circle Cac)	Sampler - UPS - Bus - Other	+ Cardinal cannot accent ver

age 8 of 8