



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: pJXK1604134903

1RP - 2831

SOUTHWEST ROYALTIES INC

2/10/2016

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88211
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

HOBBS OCD

AUG 13 2012

RECEIVED

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Southwest Royalties	Contact Luis Gonzalez	
Address 6Desta Drive Suite 2100, Midland, TX 79705	Telephone No. 432 661 4708	
Facility Name Cities Federal #2	Facility Type Injection Well	
Surface Owner BLM	Mineral Owner	API No. 30-025-28474

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	20	22S	36E					Lea

Latitude N32.3966 Longitude W-103.2962 Point of Release

NATURE OF RELEASE

Type of Release Produced Water and Oil	Volume of Release 210 bbls	Volume Recovered 120 bbls
Source of Release Poly Line	Date and Hour of Occurrence 19Jun12 AM hours	Date and Hour of Discovery 18Jun12 AM Hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoffrey Leking-NM OCD and Jim Amos-BLM	
By Whom? Vernon K. Black-Hungry Horse, LLC	Date and Hour 19Jun12 1700hrs	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*


A poly line between the well and the SWD failed releasing water and oil. The well was shut in and the line was repaired. Vacuum trucks were dispatched to remove the free standing liquid. First stage excavation of the saturated soil was performed with the material being stockpiled for transport to a division approved disposal facility.

Describe Area Affected and Cleanup Action Taken.*

A remediation work plan was submitted to Geoffrey Leking with NM OCD and Jim Amos with BLM. The work plan was approved as submitted. The area was divided into three separate areas for remediation. Each area was excavated with soil samples being field tested for chlorides. Upon reaching levels that were at or below closure limits, samples were transported to the Cardinal Lab for Chloride, TPH, and BTEX analysis. Results were presented to NM OCD's Geoffrey Leking for his review. Closure approval was granted and the excavated areas were backfilled with clean material from a nearby source and seeded with a BLM approved seed mixture.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Signature: 	Approved by Environmental Specialist: 	
Printed Name: Luis Gonzalez	Approval Date: 8/13/12	Expiration Date: -
Title: Environmental Regulatory Administrator	Conditions of Approval: -	Attached <input type="checkbox"/>
E-mail Address: lgonzalez@claytonwilliams.com		IRP-6-12-2831
Date: 6Aug12	Phone: 432-661-4708	

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88201
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Address 6 Desta Drive Suite 2100, Midland, TX 79705	Telephone No. 432 661 4708	
Facility Name Cities Federal #2	Facility Type Injection Well	
Surface Owner BLM	Mineral Owner	API No. 30-025-28474

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	20	22S	36E					Lea County

Latitude N32.3966 Longitude W-103.2962 Point of Release

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Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*

A poly line failure between the SWD and the well failed releasing water/oil. The release was contained to the lease road and only a small area in the pasture. The well was shut-in and the line repaired. Vac trucks were on site to remove the free standing liquid. Hungry Horse, LLC was contracted to perform first stage top layer excavation process, using a back hoe to remove ~ 12" layer of saturated soils. The soil will be stockpiled on plastic for transportation and disposal in later time. Nine soil samples were obtained from three sample points. Upon receipt of the lab analysis, a remediation work plan will be submitted to NMOCD and BLM for review and approval. The release was in NE 1/4 of Sec 18, T22S, 36E and flowed southeast and then south from the point of release N32.3966 W-103.2962 and stopped at approximately N32.3941 W-103.2961.

Describe Area Affected and Cleanup Action Taken.*

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Signature: <i>Luis Gonzalez</i>		OIL CONSERVATION DIVISION	
Printed Name: Luis Gonzalez		Approved by Environmental Specialist: <i>Geoff Leking</i>	
Title:		Approval Date: 6/22/12	Expiration Date: 8/22/12
E-mail Address: lgonzalez@claytonwilliams.com		Conditions of Approval: SUBMIT FINAL C-141 BY 8/22/12	Attached <input type="checkbox"/> IRP-6-12-2831
Date: 20Jun12	Phone: 432 661 4708		

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Surface Owner BLM	Mineral Owner	API No. 30-025-28474
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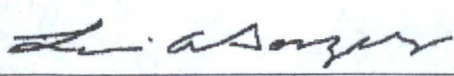
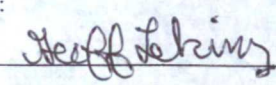
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Title: Environmental Regulatory Administrator	Conditions of Approval: -	Attached <input type="checkbox"/>
E-mail Address: lgonzalez@claytonwilliams.com		IRP-6-12-2831
Date: 6Aug12	Phone: 432-661-4708	

* Attach Additional Sheets If Necessary

HUNGRY HORSE, LLC ENVIRONMENTAL SERVICES

Dirt Work * On-Site Remediation * Soil Testing * Excavation

Page | 1

10July12

To: Geoffrey Leking, NM OCD District 1
Jim Amos, BLM, Carlsbad District
Reference: Remediation Work Plan
Location: Cities Federal #2
API: 30-025-28474
Operator: Southwest Royalties
Legals: Ul. M, Sec. 20, T22S, R36E

WORKPLAN

Background Information

An unplanned release occurred and was discovered on the morning of 19Jun12, at the above referenced location. The point of release is directly behind the Cities Fed #2 SWD in the NE ¼ of Sec. 18, T22S, R36E. The GPS for the point of release is N32.3966 W-103.2962. The affected area is approximately 400 yards south of the intersection of Delaware Basin Road and Weaver Road in rural Lea County, NM. The released fluid traveled southwest and then south for approximately 850' on one side of a lease road before exiting the road and going southeast for approximately 550' (See attached overhead map) into the pasture. Upon discovery, emergency actions were initiated with vacuum trucks removing all free fluids; all highly concentrated saturated soils were excavated and stockpiled on plastic near the facility. Initial soil samples were obtained from three sample points at depths of 6", 1', and 2' (See attached lab analysis w/corresponding map of sample points). The release was reported by telephone to Mr. Jim Amos with BLM and Mr. Geoffrey Leking with NM OCD.

There are no water wells or surface bodies of water within 1000' of this location. Based upon the Lea County Depth to Groundwater Map, depth to groundwater is 385'. This information gives the location a Site Ranking Score of "0".

Remediation Proposal

Based upon the initial lab analysis and work already completed, I submit the following remediation proposal.

- 1) Excavation will continue at the point of release to a depth of 3' below ground surface (BGS) with chloride field testing of soil samples. If field tests indicate chlorides are still elevated, excavation and field testing will continue until field tests indicate levels at or below closure levels. At this point, confirmation samples will be obtained for lab analysis.

P. O. Box 1058 * Hobbs New Mexico * Office 505.393.3386 * Fax 505.391.4585

- For chloride sample to 250 ppm
- approved
Geoffrey Leking
Env. Specialist
NMOC-DIST 1 7/18/12

HUNGRY HORSE, LLC
ENVIRONMENTAL SERVICES

Dirt Work

*

On-Site Remediation

*

Soil Testing

*

Excavation

Page | 2

- 2) The affected area of the lease road will be sampled and field tested (chlorides) at three sample points. If field test indicate levels at or below closure levels, confirmation samples will be obtained and submitted for lab analysis. If the field tests indicate elevated levels of chlorides, the affected area of the road will be excavated further with sampling following the same procedures as outlined in #1.
- 3) The affected area of the pasture where the released fluid exited the lease road to the termination point will excavated to a depth of approximately 3' below ground surface. Three soil samples will be obtained and field tested following the above outlined procedures.
- 4) Upon receiving lab analysis that samples are at or below closure levels, results will be presented to NM OCD's Geoffrey Leking for his review and closure approval. Upon receipt of closure approval, backfilling will begin.
- 5) The affected area at the point of release will be backfilled using clean caliche as needed. The surrounding sand dunes and nearby material will be used for topsoil. Due to the affected area being located on a downhill slope, water breaks will be installed as per BLM request.
- 6) The lease road will be repaired with clean caliche from a nearby pit.
- 7) The point southeast of the lease road in the pasture will be backfilled with clean caliche as needed with the surrounding material used as topsoil.
- 8) All affected areas in the pasture will be seeded with a BLM approved seed mixture.
- 9) All excavated material will be transported to a division approved disposal facility for disposal.



Vernon K. Black, Hungry Horse LLC

Co Rd 21

Delaware Basin Rd

SW Royalties
Cities Fed #2 SWD

SP #2

Affected Area
Approximately
1380'

SP #3

SP #1
Point of
Release

n32.3966 w103.2962

N32.3941 W103.2961

© 2012 Google

Google earth

Imagery Date: 3/2/2012

lat 32.396505° lon -103.296947° elev 3582 ft

Eye alt 6726 ft

Lab Analytical Results

Job: SW Royalties Cities Federal #2

Date: 19Jun12

Chlorides

Depth	Sample Point					
	#1	#2	#3			
6"	3800 ppm	4730 ppm	3370 ppm			
1'	7450 ppm	5610 ppm	8970 ppm			
2'	11,300 ppm	361 ppm	2380 ppm			

TPH

Depth	Sample Point					
	#1	#2	#3			
6"	106 ppm	4280 ppm	1790 ppm			
1'	211 ppm	4670 ppm	2750 ppm			
2'	21 ppm	565 ppm	969 ppm			

Signature: _____

[Handwritten Signature]

Certificate of Analysis Summary 444371

Southwest Royalties, Midland, TX

Project Name: Cities Federal # 2

Draft

Date Received in Lab: Thu Jun-21-12 08:25 am

Report Date: 06-JUL-12

Project Manager: Nicholas Straccione

 Project ID: Luis Gonzalez
 Contact: Luis Gonzalez
 Project Location: Eunice, NM

Analysis Requested		Lab Id:	444371-001	444371-002	444371-003	444371-004	444371-005	444371-006
		Field Id:	SP # 1 6"	SP # 1 1"	SP # 1 2'	SP # 2 6"	SP # 2 1'	SP # 2 2'
		Depth:	6- In	1- ft	2- ft	6- In	1- ft	2- ft
		Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sampled:	Jun-20-12 07:00	Jun-20-12 07:00	Jun-20-12 07:00	Jun-20-12 07:00	Jun-20-12 07:00	Jun-20-12 07:00
Inorganic Anions Cl by EPA 300/300.1 SUB: TX104704215		Extracted:	Jun-26-12 13:24	Jun-26-12 13:40	Jun-26-12 15:17	Jun-26-12 13:56	Jun-26-12 14:13	Jun-26-12 15:49
		Analyzed:	Jun-26-12 13:24	Jun-26-12 13:40	Jun-26-12 15:17	Jun-26-12 13:56	Jun-26-12 14:13	Jun-26-12 15:49
		Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		Extracted:	3800	7450	11300	4730	5610	361
		Units/RL:	117	120	117	119	108	10.6
Percent Moisture		Extracted:						
		Analyzed:	Jun-22-12 12:25	Jun-22-12 12:25	Jun-22-12 12:25	Jun-22-12 12:25	Jun-22-12 12:25	Jun-22-12 12:25
		Units/RL:	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		Extracted:	14.7	16.4	14.5	16.2	7.53	5.49
		Units/RL:	1.00	1.00	1.00	1.00	1.00	1.00
TPH By SW8015 Mod		Extracted:	Jun-27-12 15:00	Jun-27-12 15:00	Jun-27-12 15:00	Jun-27-12 15:00	Jun-27-12 15:00	Jun-27-12 15:00
		Analyzed:	Jun-29-12 11:36	Jun-29-12 12:09	Jun-29-12 12:43	Jun-29-12 13:16	Jun-29-12 13:51	Jun-29-12 14:25
		Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
C6-C12 Gasoline Range Hydrocarbons		Extracted:	20.7	28.8	ND	1460	1340	122
		Units/RL:	17.6	17.9	17.5	17.9	16.2	15.9
C12-C28 Diesel Range Hydrocarbons		Extracted:	65.7	153	21.0	2700	3220	374
		Units/RL:	17.6	17.9	17.5	17.9	16.2	15.9
C28-C35 Oil Range Hydrocarbons		Extracted:	19.6	29.6	ND	119	109	69.1
		Units/RL:	17.6	17.9	17.5	17.9	16.2	15.9
Total TPH		Extracted:	106	211	21.0	4280	4670	565
		Units/RL:	17.6	17.9	17.5	17.9	16.2	15.9

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Alejandro Montoya

Odessa Laboratory Director

Certificate of Analysis Summary 444371

Southwest Royalties, Midland, TX

Project Name: Cites Federal # 2

Project Id:
Contact: Luis Gonzalez
Project Location: Eunice, NM

Draft

Date Received in Lab: Thu Jun-21-12 08:25 am

Report Date: 06-JUL-12

Project Manager: Nicholas Straccione

Analysis Requested		Lab Id:	444371-007	444371-008	444371-009		
		Field Id:	SP # 3 6"	SP # 3 1'	SP # 3 2'		
		Depth:	6- In	1- ft	2- ft		
		Matrix:	SOIL	SOIL	SOIL		
		Sampled:	Jun-20-12 07:00	Jun-20-12 07:00	Jun-20-12 07:00		
Inorganic Anions Cl by EPA 300/300.1 SUB: TX104704215		Extracted:	Jun-26-12 14:29	Jun-26-12 14:45	Jun-26-12 15:01		
		Analyzed:	Jun-26-12 14:29	Jun-26-12 14:45	Jun-26-12 15:01		
		Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride			3370	8970	2380	125	
Percent Moisture		Extracted:	Jun-22-12 12:25	Jun-22-12 12:25	Jun-22-12 16:40		
		Analyzed:	Jun-22-12 12:25	Jun-22-12 12:25	Jun-22-12 16:40		
		Units/RL:	% RL	% RL	% RL		
TPH By SW8015 Mod		Extracted:	Jun-27-12 15:00	Jun-27-12 15:00	Jun-27-12 15:00		
		Analyzed:	Jun-29-12 14:59	Jun-29-12 15:33	Jun-29-12 16:06		
		Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL		
C6-C12 Gasoline Range Hydrocarbons			497	838	278	18.7	
C12-C28 Diesel Range Hydrocarbons			1160	1780	585	18.7	
C28-C35 Oil Range Hydrocarbons			134	135	106	18.7	
Total TPH			1790	2750	969	18.7	

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Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Alejandro Montoya
Odessa Laboratory Director

Xenco Laboratories

The Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12800 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager:

Lois Gonzalez

Project Name:

Cities Federal #3

Company Name

South West Royalties Inc

Project #:

Company Address:

Cities Federal #3

Project Loc:

Enclave N.M.

City/State/Zip:

1 Gonzalez @ Clayton Williams - com

PO #:

Telephone No:

Fax No:

VERNON @ HUNTER-HOUSE.COM

Sampler Signature:

e-mail:

VERNON @ HUNTER-HOUSE.COM

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #:

444371

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Ice

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₃

None

Other (Specify)

DW=Drinking Water SL=Sludge
GW=Groundwater S=Soil/Solid
NP=Non-Potable Specify Other

Preservation & # of Containers

Matrix

TPH: 418.1 8015M 8015B

TPH: TX 1005 TX 1006

Cations (Ca, Mg, Na, K)

Anions (Cl, SO₄, Alkalinity)

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Volatiles

Semivolatiles

BTEX (80211/5030 or BTEX 8260)

RCI

N.O.R.M.

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Standard TAT

Special Instructions:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by ELOT:

Date

Time

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on container(s)?

Custody seals on container(s)?

Sample Hand Delivered by Sampler/Client Rep.?

Temperature Upon Receipt:

Y

Y

Y

Y

Y

Y

N

N

N

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Southwest Royalties Remediation Summary

HOBBS OCD

AUG 13 2012

RECEIVED

Cities Federal #2

API 30-025-28474

Lea County, New Mexico

NE 1/4 Sec. 18, T22S, R36E

GPS N32.3966 W-103.2962

1RP-6-12-2831

Start date: 20Jun12

Finish date: 3Aug12

Prepared By: Vernon K. Black

Hungry Horse, LLC

PO Box 1058

Hobbs, NM 88241

(575)-393-3386



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Overhead Map w/ Affected Area in Red

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Attachments

Attachment 1 – C 141's Initial & Final

Attachment 2 – Remediation Work Plan w/Approval

Attachment 3 – Lab Analysis w/Chain of Custody

Attachment 4 – One Calls

Attachment 5 – Photos of Project

1.0 Introduction

This report addresses the remediation at SW Royalties Cities Federal #2 location. The remediation was in response to a flow line failure. This remediated location is approximately 7 miles west of Eunice, New Mexico south of the intersection of Delaware Basin Road and Weaver Road behind the SWD in rural Lea County. The GPS at the point of release is N32.3966 W-103.2962 and the point of termination is N32.3941 W-103.2961.

2.0 Area Description

The top two to three feet of soil is mainly sandy topsoil. Below this layer, the formation begins to turn into a more of a caliche/caliche rock base. Based upon the Lea County Depth to Groundwater Map, the depth to ground water is 385'. There are no known water wells or surface bodies of water within a half of a mile of this location. The area vegetation is mainly native grasses and mesquite.

The affected area was approximately 70' x 100' at the point of release. The released fluid traveled a very narrow path, 2'-4', along the lease road to the west and then turned south along an adjoining road before entering the pasture at the point of an old Right of Way (ROW) and traveling to the south east and pooling in an area approximately 50' x 50'. The total distance the fluid traveled was approximately 1,380'.

3.0 Remediation Process

Upon detection of the release, vacuum trucks and a backhoe were mobilized to start the first stage clean-up actions. Free standing liquid was recovered by the vacuum trucks and saturated soil was excavated by a backhoe. All excavated soil was stockpiled on plastic for transport to a division approved disposal facility. Initial soil samples were obtained for lab analysis. Verbal notification was given to NM OCD's Geoffrey Leking and BLM's Jim Amos.

The lab analysis of the initial soil samples was used to develop the Remediation Work Plan which was presented to NM OCD's Geoffrey Leking and BLM's Jim Amos. The work plan was approved as presented and work was scheduled to start.

The affected area was divided into three separate areas for remediation as per the work plan; the point of release, the roads, and the ROW/termination point. Chlorides being the primary contaminant of concern, soil samples were obtained during the excavation process of each area and field tested using titration strips. When field test indicated chloride levels were at or below closure limits, the samples were transported under chain of custody for lab analysis. Lab analysis was conducted for Chlorides, TPH, and BTEX.

Lab results were presented to NM OCD's Geoffrey Leking for his review and closure approval. Closure approval was granted and the back fill operations began. Clean material from a nearby source was used

for the primary backfill. The adjacent sand dunes were used as top cover. The affected area was contoured to match the surrounding terrain to include water breaks and seeded with a BLM approved seed mixture.

All excavated material was transported to a division approved disposal facility.



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ENVIRONMENTAL SERVICES

Dirt Work * On-Site Remediation * Soil Testing * Excavation

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10July12

To: Geoffrey Leking, NM OCD District 1
Jim Amos, BLM, Carlsbad District
Reference: Remediation Work Plan
Location: Cities Federal #2
API: 30-025-28474
Operator: Southwest Royalties
Legals: Ul. M, Sec. 20, T22S, R36E

Background Information

An unplanned release occurred and was discovered on the morning of 19Jun12, at the above referenced location. The point of release is directly behind the Cities Fed #2 SWD in the NE ¼ of Sec. 18, T22S, R36E. The GPS for the point of release is N32.3966 W-103.2962. The affected area is approximately 400 yards south of the intersection of Delaware Basin Road and Weaver Road in rural Lea County, NM. The released fluid traveled southwest and then south for approximately 850' on one side of a lease road before exiting the road and going southeast for approximately 550' (See attached overhead map) into the pasture. Upon discovery, emergency actions were initiated with vacuum trucks removing all free fluids; all highly concentrated saturated soils were excavated and stockpiled on plastic near the facility. Initial soil samples were obtained from three sample points at depths of 6", 1', and 2' (See attached lab analysis w/corresponding map of sample points). The release was reported by telephone to Mr. Jim Amos with BLM and Mr. Geoffrey Leking with NM OCD.

There are no water wells or surface bodies of water within 1000' of this location. Based upon the Lea County Depth to Groundwater Map, depth to groundwater is 385'. This information gives the location a Site Ranking Score of "0".

Remediation Proposal

Based upon the initial lab analysis and work already completed, I submit the following remediation proposal.

- 1) Excavation will continue at the point of release to a depth of 3' below ground surface (BGS) with chloride field testing of soil samples. If field tests indicate chlorides are still elevated, excavation and field testing will continue until field tests indicate levels at or below closure levels. At this point, confirmation samples will be obtained for lab analysis.

P. O. Box 1058 * Hobbs New Mexico * Office 505.393.3386 * Fax 505.391.4585

- For chloride sample to 250 PPM
- approved
Geoffrey Leking
Env. Specialist
NMOC D-DIST 1 7/18/12

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ENVIRONMENTAL SERVICES

Dirt Work * On-Site Remediation * Soil Testing * Excavation

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- 2) The affected area of the lease road will be sampled and field tested (chlorides) at three sample points. If field test indicate levels at or below closure levels, confirmation samples will be obtained and submitted for lab analysis. If the field tests indicate elevated levels of chlorides, the affected area of the road will be excavated further with sampling following the same procedures as outlined in #1.
- 3) The affected area of the pasture where the released fluid exited the lease road to the termination point will excavated to a depth of approximately 3' below ground surface. Three soil samples will be obtained and field tested following the above outlined procedures.
- 4) Upon receiving lab analysis that samples are at or below closure levels, results will be presented to NM OCD's Geoffrey Leking for his review and closure approval. Upon receipt of closure approval, backfilling will begin.
- 5) The affected area at the point of release will be backfilled using clean caliche as needed. The surrounding sand dunes and nearby material will be used for topsoil. Due to the affected area being located on a downhill slope, water breaks will be installed as per BLM request.
- 6) The lease road will be repaired with clean caliche from a nearby pit.
- 7) The point southeast of the lease road in the pasture will be backfilled with clean caliche as needed with the surrounding material used as topsoil.
- 8) All affected areas in the pasture will be seeded with a BLM approved seed mixture.
- 9) All excavated material will be transported to a division approved disposal facility for disposal.

Vernon K. Black, Hungry Horse LLC

Vernon Black

From: Amos, James A [jamos@blm.gov]
Sent: Wednesday, July 18, 2012 10:47 AM
To: Vernon Black
Subject: RE: SW Royalties-Cities Fed #2

Vernon, I'm OK with this plan, provide notice of start. thanks

From: Vernon Black [<mailto:VBlack@Hungry-Horse.com>]
Sent: Wednesday, July 18, 2012 9:13 AM
To: Amos, James A
Subject: SW Royalties-Cities Fed #2

Hello Jim,

Here's the info on the release at the SW Royalties Cities Fed #2 that you looked at the other day for me. Sorry it took so long to get this to you, but we had some tech difficulties with the lab. Let me know if you have any questions or if there's something you see that needs to be amended. If all is OK, I'll get this scheduled and we'll get it taken care of. I'll advise once we are finished.

Vernon K. Black
Hungry Horse, LLC
PO Box 1058
Hobbs, NM 88241
575 393 3386 office
575 631 2253 cell



Certificate of Analysis Summary 444371

Southwest Royalties, Midland, TX
Project Name: Cities Federal # 2



Project Id:

Contact: Luis Gonzalez

Project Location: Eunice, NM

Date Received in Lab: Thu Jun-21-12 08:25 am

Report Date: 09-JUL-12

Project Manager: Nicholas Straccione

Analysis Requested		Lab Id:	444371-001	444371-002	444371-003	444371-004	444371-005	444371-006
Inorganic Anions Cl by EPA 300/300.1 SUB: TX104704215		Field Id:	SP # 1 6"	SP # 1 1'	SP # 1 2'	SP # 2 6"	SP # 2 1'	SP # 2 2'
		Depth:	6- In	1- ft	2- ft	6- In	1- ft	2- ft
		Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sampled:	Jun-20-12 07:00	Jun-20-12 07:00	Jun-20-12 07:00	Jun-20-12 07:00	Jun-20-12 07:00	Jun-20-12 07:00
		Extracted:	Jun-26-12 13:24	Jun-26-12 13:40	Jun-26-12 15:17	Jun-26-12 13:56	Jun-26-12 14:13	Jun-26-12 15:49
		Analyzed:	Jun-26-12 13:24	Jun-26-12 13:40	Jun-26-12 15:17	Jun-26-12 13:56	Jun-26-12 14:13	Jun-26-12 15:49
		Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride			3800 117	7450 120	11300 117	4730 119	5610 108	361 10.6
Percent Moisture		Extracted:						
		Analyzed:	Jun-22-12 12:25	Jun-22-12 12:25	Jun-22-12 12:25	Jun-22-12 12:25	Jun-22-12 12:25	Jun-22-12 12:25
		Units/RL:	% RL	% RL	% RL	% RL	% RL	% RL
TPH By SW8015 Mod		Extracted:	Jun-27-12 15:00	Jun-27-12 15:00	Jun-27-12 15:00	Jun-27-12 15:00	Jun-27-12 15:00	Jun-27-12 15:00
		Analyzed:	Jun-29-12 11:36	Jun-29-12 12:09	Jun-29-12 12:43	Jun-29-12 13:16	Jun-29-12 13:51	Jun-29-12 14:25
		Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
C6-C12 Gasoline Range Hydrocarbons			20.7 17.6	28.8 17.9	ND 17.5	1460 17.9	1340 16.2	122 15.9
C12-C28 Diesel Range Hydrocarbons			65.7 17.6	153 17.9	21.0 17.5	2700 17.9	3220 16.2	374 15.9
C28-C35 Oil Range Hydrocarbons			19.6 17.6	29.6 17.9	ND 17.5	119 17.9	109 16.2	69.1 15.9
Total TPH			106 17.6	211 17.9	21.0 17.5	4280 17.9	4670 16.2	565 15.9

Initial Samples

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Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Nicholas Straccione

Nicholas Straccione
Project Manager



Certificate of Analysis Summary 444371

Southwest Royalties, Midland, TX

Project Name: Cities Federal # 2



Project Id:
Contact: Luis Gonzalez
Project Location: Eunice, NM

Date Received in Lab: Thu Jun-21-12 08:25 am
Report Date: 09-JUL-12
Project Manager: Nicholas Straccione

Analysis Requested	Lab Id:		444371-007		444371-008		444371-009	
	Field Id:	Depth:	SP # 3 6"	6- In	SP # 3 1'	1- ft	SP # 3 2'	2- ft
Inorganic Anions Cl by EPA 300/300.1 SUB: TX104704215	Matrix:		SOIL		SOIL		SOIL	
	Sampled:		Jun-20-12 07:00		Jun-20-12 07:00		Jun-20-12 07:00	
	Extracted:		Jun-26-12 14:29		Jun-26-12 14:45		Jun-26-12 15:01	
Chloride	Analyzed:		Jun-26-12 14:29		Jun-26-12 14:45		Jun-26-12 15:01	
	Units/RL:		mg/kg	RL	mg/kg	RL	mg/kg	RL
			3370	122	8970	114	2380	125
Percent Moisture	Extracted:							
	Analyzed:		Jun-22-12 12:25		Jun-22-12 12:25		Jun-22-12 16:40	
	Units/RL:		%	RL	%	RL	%	RL
TPH By SW8015 Mod			17.7	1.00	12.4	1.00	19.8	1.00
	Extracted:		Jun-27-12 15:00		Jun-27-12 15:00		Jun-27-12 15:00	
	Analyzed:		Jun-29-12 14:59		Jun-29-12 15:33		Jun-29-12 16:06	
C6-C12 Gasoline Range Hydrocarbons	Units/RL:		mg/kg	RL	mg/kg	RL	mg/kg	RL
			497	18.2	838	17.1	278	18.7
			1160	18.2	1780	17.1	585	18.7
C12-C28 Diesel Range Hydrocarbons			134	18.2	135	17.1	106	18.7
			1790	18.2	2750	17.1	969	18.7
C28-C35 Oil Range Hydrocarbons								
Total TPH								

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Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Nicholas Straccione
Project Manager

Xenco Laboratories

The Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager:

Company Name

Company Address:

City/State/Zip:

Telephone No:

Sampler Signature:

Project Name:

Project #:

Project Loc:

PO #:

Fax No:

e-mail:

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #:

FIELD CODE

LAB # (lab use only)

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Total # of Containers

Preservation & # of Containers

Matrix:

NP=Non-Potable S=Soil/Solid
GW=Groundwater SL=Sludge
DW=Drinking Water Other (Specify)

None
Na₂SO₃
NaOH
H₂SO₄
HCl
HNO₃
Ice

TPH: 418.1 8015M 8015B
TPH: TX 1005
Cations (Ca, Mg, Na, K)
Anions (Cl, SO₄, Alkalinity)
SAR / ESP / CEC
Metals: As Ag Ba Cd Cr Pb Hg Se
Volatiles
Semivolatiles
BTEX 8021B/5030 or BTEX 8260
N.O.R.M.

Standard TAT (Pre-Schedule) 24, 48, 72 hrs

Analyze For:

TCLP:

TOTAL:

Special Instructions:

TPH chlorides

Email Luis Gonzales with result

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on container(s)

Custody seals on container(s)

Custody seals on cooler(s)

Sample Hand Delivered

by Sampler/Client Rep.?

by Courier?

UPS

DHL

FedEx

Lone Star

As Read

Corrected

Temperature Upon Receipt: 7.5 5.0 °C

Relinquished by:

Date

Time

Received by:

Date

Time

Received by:

Date

Time

Received by ELOT:

Date

Time

Signature

Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Release Point

Received: 07/24/2012
Reported: 07/25/2012
Project Name: CITIES FEDERAL #2
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 07/23/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP #1 3' BGS (H201713-01)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2012	ND	1.85	92.6	2.00	2.92	
Toluene*	<0.050	0.050	07/25/2012	ND	1.83	91.7	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/25/2012	ND	1.84	92.1	2.00	2.04	
Total Xylenes*	<0.150	0.150	07/25/2012	ND	5.53	92.1	6.00	2.05	

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/25/2012	ND	416	104	400	3.92	

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	07/25/2012	ND	170	85.0	200	9.55	
DRO >C10-C28	<10.0	10.0	07/25/2012	ND	176	88.1	200	9.51	

Surrogate: 1-Chlorooctane 76.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.6 % 63.6-154

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Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received: 07/24/2012
Reported: 07/25/2012
Project Name: CITIES FEDERAL #2
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 07/23/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP #2 7' BGS (H201713-02)

BTX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2012	ND	1.85	92.6	2.00	2.92	
Toluene*	<0.050	0.050	07/25/2012	ND	1.83	91.7	2.00	2.09	
Ethylbenzene*	<0.050	0.050	07/25/2012	ND	1.84	92.1	2.00	2.04	
Total Xylenes*	<0.150	0.150	07/25/2012	ND	5.53	92.1	6.00	2.05	

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/25/2012	ND	416	104	400	3.92	

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	07/25/2012	ND	170	85.0	200	9.55	
DRO >C10-C28	<10.0	10.0	07/25/2012	ND	176	88.1	200	9.51	


Surrogate: 1-Chlorooctane 73.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.2 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received: 07/24/2012
Reported: 07/25/2012
Project Name: CITIES FEDERAL #2
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 07/23/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP #3 3' BGS (H201713-03)

BTEX 8021B			mg/kg							Analyzed By: AP	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	07/25/2012	ND	1.85	92.6	2.00	2.92			
Toluene*	<0.050	0.050	07/25/2012	ND	1.83	91.7	2.00	2.09			
Ethylbenzene*	<0.050	0.050	07/25/2012	ND	1.84	92.1	2.00	2.04			
Total Xylenes*	<0.150	0.150	07/25/2012	ND	5.53	92.1	6.00	2.05			

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	32.0	16.0	07/25/2012	ND	416	104	400	3.92			

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	07/25/2012	ND	170	85.0	200	9.55			
DRO >C10-C28	<10.0	10.0	07/25/2012	ND	176	88.1	200	9.51			

Surrogate: 1-Chlorooctane 78.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

[illegible]

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2764 # 76

Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

*Road
Samples*

Received: 07/27/2012
Reported: 07/30/2012
Project Name: CITIES FEDERAL #2
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 07/27/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT 1 @ 2' (H201754-01)

BTEX 8021B			mg/kg							Analyzed By: AP	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	07/29/2012	ND	1.82	91.2	2.00	0.352			
Toluene*	<0.050	0.050	07/29/2012	ND	1.87	93.3	2.00	1.02			
Ethylbenzene*	<0.050	0.050	07/29/2012	ND	1.90	95.2	2.00	1.09			
Total Xylenes*	<0.150	0.150	07/29/2012	ND	5.82	97.1	6.00	2.32			

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 89.4-126

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	48.0	16.0	07/30/2012	ND	400	100	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	07/27/2012	ND	188	93.8	200	6.58			
DRO >C10-C28	<10.0	10.0	07/27/2012	ND	204	102	200	8.91			

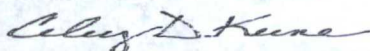
Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

*Approved ALL DATA - SAMPLE DATES
7/23/12 TO 7/27/12
Jeffrey LeKing
Env. Scientist
NMOCB-DIST 1
7/30/12*

Analytical Results For:

 Hungry Horse Environmental
 VERNON BLACK
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

 Received: 07/27/2012
 Reported: 07/30/2012
 Project Name: CITIES FEDERAL #2
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

 Sampling Date: 07/27/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PT 2 @ 2' (H201754-02)

BTEX 8021B			mg/kg							Analyzed By: AP	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	07/29/2012	ND	1.82	91.2	2.00	0.352			
Toluene*	<0.050	0.050	07/29/2012	ND	1.87	93.3	2.00	1.02			
Ethylbenzene*	<0.050	0.050	07/29/2012	ND	1.90	95.2	2.00	1.09			
Total Xylenes*	<0.150	0.150	07/29/2012	ND	5.82	97.1	6.00	2.32			

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 89.4-126

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	64.0	16.0	07/30/2012	ND	400	100	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	07/27/2012	ND	188	93.8	200	6.58			
DRO >C10-C28	<10.0	10.0	07/27/2012	ND	204	102	200	8.91			

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Qbhf !4!pg7

Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received: 07/27/2012
Reported: 07/30/2012
Project Name: CITIES FEDERAL #2
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 07/27/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT 3 @ 2' (H201754-03)

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/29/2012	ND	1.82	91.2	2.00	0.352	
Toluene*	<0.050	0.050	07/29/2012	ND	1.87	93.3	2.00	1.02	
Ethylbenzene*	<0.050	0.050	07/29/2012	ND	1.90	95.2	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/29/2012	ND	5.82	97.1	6.00	2.32	

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/30/2012	ND	400	100	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	07/27/2012	ND	188	93.8	200	6.58	
DRO >C10-C28	<10.0	10.0	07/27/2012	ND	204	102	200	8.91	


Surrogate: 1-Chlorooctane 90.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.1 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



Company Name: <u>Manure Horse, LLC</u>		P.O. #	
Project Manager: <u>Wesley K. Blais</u>		Company: <u>Superior</u>	
Address: <u>P.O. Box 1058</u>		Attn: <u>John Doe</u>	
City: <u>Helena</u> State: <u>MT</u> Zip: <u>59601</u>		Address: <u></u>	
Phone #: <u>406-338-3333</u> Fax #: <u>406-338-3333</u>		City: <u></u>	
Project #: <u></u>		State: <u></u> Zip: <u></u>	
Project Name: <u></u>		Phone #: <u></u>	
Project Location: <u>Site #2</u>		Fax #: <u></u>	
Sampler Name: <u>Wesley K. Blais</u>		Project Owner: <u>Superior</u>	
FOR LAB USE ONLY	MATRIX	PRESERV	SAMPLING
Lab I.D.	GROUNDWATER	ACID/BASE	DATE
	WASTEWATER	ICE / COOL	TIME
	OIL	OTHER:	
	SLUDGE		
	OTHER:		
	# CONTAINERS		
	(G)RAB OR (C)OMP		
	Sample I.D.		
<u>H201754</u>	<u>1 pt 1 ea (Road)</u>	<u>1</u>	<u>7/12/12 10:00</u>
	<u>2 pt 2 ea (Road)</u>	<u>1</u>	<u>7/12/12 10:30</u>
	<u>3 pt 3 ea (Road)</u>	<u>1</u>	<u>7/12/12 10:30</u>

[illegible]

Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
REMARKS:			

Relinquished By: 	Date: <u>10/10/10</u>	Received By: <u>Debi Benson</u>	Sample Condition Cool <input type="checkbox"/> Indirect <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: <u>(Initials)</u> 
Relinquished By:	Date: _____	Received By:		
Delivered By: (Circle One)	Date: _____	Time: _____	50	
Sampler - UPS - Bus - Other:				

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2444 2/6

Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

ROW
+
Termination
Point

Received: 07/25/2012
Reported: 07/26/2012
Project Name: CITIES FEDERAL #2
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 07/25/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP #1 3' BGS (H201722-01)
BTEX 8021B
mg/kg
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2012	ND	2.07	104	2.00	10.2	
Toluene*	<0.050	0.050	07/26/2012	ND	2.08	104	2.00	9.26	
Ethylbenzene*	<0.050	0.050	07/26/2012	ND	2.12	106	2.00	8.19	
Total Xylenes*	<0.150	0.150	07/26/2012	ND	6.35	106	6.00	8.26	

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 89.4-126

Chloride, SM4500Cl-B
mg/kg
Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/26/2012	ND	400	100	400	7.69	

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	07/26/2012	ND	190	94.9	200	4.98	
DRO >C10-C28	<10.0	10.0	07/26/2012	ND	205	102	200	4.10	

Surrogate: 1-Chlorooctane 83.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.4 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received: 07/25/2012
Reported: 07/26/2012
Project Name: CITIES FEDERAL #2
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 07/25/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP #2 3' BGS (H201722-02)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2012	ND	2.07	104	2.00	10.2	
Toluene*	<0.050	0.050	07/26/2012	ND	2.08	104	2.00	9.26	
Ethylbenzene*	<0.050	0.050	07/26/2012	ND	2.12	106	2.00	8.19	
Total Xylenes*	<0.150	0.150	07/26/2012	ND	6.35	106	6.00	8.26	

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	07/26/2012	ND	400	100	400	7.69	

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	07/26/2012	ND	190	94.9	200	4.98	
DRO >C10-C28	88.1	10.0	07/26/2012	ND	205	102	200	4.10	

Surrogate: 1-Chlorooctane 93.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

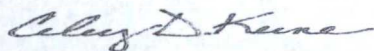
Sample ID: SP #2 9' BGS (H201722-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	07/26/2012	ND	400	100	400	7.69	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Hungry Horse Environmental
 VERNON BLACK
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

 Received: 07/25/2012
 Reported: 07/26/2012
 Project Name: CITIES FEDERAL #2
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

 Sampling Date: 07/25/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP #3 3' BGS (H201722-04)

BTEX 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2012	ND	2.07	104	2.00	10.2		
Toluene*	<0.050	0.050	07/26/2012	ND	2.08	104	2.00	9.26		
Ethylbenzene*	<0.050	0.050	07/26/2012	ND	2.12	106	2.00	8.19		
Total Xylenes*	<0.150	0.150	07/26/2012	ND	6.35	106	6.00	8.26		

Surrogate: 4-Bromofluorobenzene (PIC) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/26/2012	ND	400	100	400	7.69	

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	07/26/2012	ND	190	94.9	200	4.98	
DRO >C10-C28	55.1	10.0	07/26/2012	ND	205	102	200	4.10	

Surrogate: 1-Chlorooctane 85.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.7 % 63.6-154

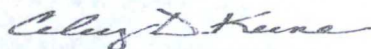
Sample ID: SP #3 9' BGS (H201722-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	07/26/2012	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



**101 East Marland, Hobbs, NM 88240
(675) 393-2326 FAX (575) 393-2476**

Company Name: Henry Morse, LLC		P.O. #:		
Project Manager: Robert K. Black		Company: EnviroPro Inc		
Address: P.O. Box 1053		Attn: EnviroPro		
City: Bellevue		Address: 1000 1st Ave		
Phone #: 800-333-3333		State: WA		
Fax #: 206-333-3333		City: Bellevue		
Project #: 1000		State: WA		
Project Name: EnviroPro Inc		Phone #: 206-333-3333		
Project Location: 1000 1st Ave		Fax #: 206-333-3333		
Sampler Name: Robert K. Black				
Lab I.D.	Sample I.D.	MATRIX	PRESERV	SAMPLING
1	1000 1st Ave	GROUNDWATER	ACID/BASE	DATE: 1/1/00
2	1000 1st Ave	SLUDGE	OTHER:	TIME: 10:00
3	1000 1st Ave	SOIL	OTHER:	DATE: 1/1/00
4	1000 1st Ave	WASTEWATER	OTHER:	TIME: 10:00
5	1000 1st Ave	OTHER:	OTHER:	DATE: 1/1/00

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Relinquished By:		Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
		Time:		Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
REMARKS:							
<i>DASH!!</i>							
Relinquished By:		Date:	Received By:	Sample Condition	CHECKED BY:		
		Time:		Cool / Intact			
				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Delivered By: (Circle One)							
Sampler - UPS - Bus - Other:							

† Cardinal cannot accept verbal changes. Please fax written changes to 505.993.776.

Analytical Results For:

 Hungry Horse Environmental
 VERNON BLACK
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

*Termination
 Point
 Confirmation*

 Received: 07/27/2012
 Reported: 07/30/2012
 Project Name: CITIES FEDERAL #2
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

 Sampling Date: 07/27/2012
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: SP #2 11' BGS (H201741-01)

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/27/2012	ND	400	100	400	0.00		

Sample ID: SP #3 11' BGS (H201741-02)

Chloride, SM4500Cl-B			mg/kg							Analyzed By: HM
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/27/2012	ND	400	100	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager



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

[illegible]

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Relinquished By: _____		Date: _____		Time: _____		Received By: _____		Date: _____		Time: _____		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #: _____	
Relinquished By: _____		Date: _____		Time: _____		Received By: _____		Date: _____		Time: _____		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #: _____	
Delivered By: (Circle One)		Date: _____		Time: _____		Received By: _____		Date: _____		Time: _____		REMARKS:			
Sampler - UPS - Bus - Other:		Date: _____		Time: _____		Received By: _____		Date: _____		Time: _____					

† Cardinal cannot accept verbal changes. Please fax written changes to 555-7002.

New Mexico One Call
Locate Request Confirmation

Header Code: EMERGENCY
Request Type:

Ticket No: 2012251942 Seq. No: 0

Update of:

Original Call Date: 06/20/2012 Time: 12:22:38 PM OP: 215
Transmit Date: 06/20/2012 Time: 12:33:39 PM
Work to Begin Date: 06/20/2012 Time: 02:33:00 PM

Company: HUNGRY HORSE LLC
Contact Name: VERNON BLACK
Alternate Contact: DOMINIC HOLGUIN
Best Time to Call:
Cell Phone:
Email:

Contact Phone: (575)631-2253
Alternate Phone: (575)631-0566
Fax No: (575)391-4585
Pager No:

State: NM County: LEA City: RURAL LEA
Address: , CITIES FEDERAL #002 SWD

To Address:

Nearest Intersecting Street: START GPS: N 32.3966 & W -103.2962

2nd Intersecting Street: END GPS: N 32.3941 & W -103.2961

Subdivision:

Latitude: 32.39517950 Longitude: -103.29671950

Zip Code:

Grid:

Township: 22S Range: 36E Section 1/4: 18 SE

Township: 22S Range: 36E Section 1/4: 18 SW

Township: 22S Range: 36E Section 1/4: 18 NE

Township: 22S Range: 36E Section 1/4: 18 NW

Location of Work: EMERGENCY SOIL REMEDIATION -- FROM ^{En} ~~JAL~~ GO S ON
MAIN ST - W (R) ON DELAWARE BASIN RD GO 7.7MI - L
ON LEASE RD BESIDE THE SWD GO 1/10MI TO POINT OF
RELEASE ON THE RIGHT == SPOT AT POINT OF RELEASE
MARKED W/WHITE RIBBONS FOLLOWING RELEASE ALONG

Remarks: ROAD - SPOT ROAD AND 10FT ON EACH SIDE OF THE ROAD
APPROX 1,400FT - SPOT R.O.W. AT END OF RELEASE -
NO HAZARDS - OPEN ACCESS - CREW IS ON SITE

Type of Work: EMERGENCY-SEE REMARKS

Private Property: Street: Overhead Lines: Blasting:

Easement: Mechanical Boring: Premarked: Y

Work Being Done For: SOUTHWEST ROYALTIES

The following utility owners have been notified:

EUNI WNDSTRM SUGS EVJAL 1NMPSO
EUPL

IMPORTANT CONFIRMATION NOTICE

Your fax request has been received and processed. It is your responsibility to review the information provided on this faxback confirmation ticket and ensure it has been correctly interpreted from your request. Notify us immediately of any corrections or errors. Acceptance of this faxback confirmation ticket means you accept responsibility for the accuracy of the information contained in the ticket and you agree to indemnify New Mexico One Call Systems, Inc. of all liability, claims, fees, or damages, including reasonable attorney fees arising from or resulting from the use of the information provided on this confirmation ticket.

New Mexico Law requires you to wait two working days from the date and time of this confirmation notice before you begin excavation. This request is valid for ten working days. Only the facility owners listed on this ticket will be notified.
You can check the Locate Status of this ticket and request other tickets

New Mexico One Call
Locate Request Confirmation

Header Code: STANDARD LOCATE
Request Type:

Ticket No: 2012290051 Seq. No: 0

Update of:

Original Call Date:	07/16/2012	Time:	07:04:13 AM	OP: 190
Transmit Date:	07/16/2012	Time:	07:14:53 AM	
Work to Begin Date:	07/18/2012	Time:	07:04:00 AM	

Company: HUNGRY HORSE LLC
Contact Name: VERNON BLACK
Alternate Contact:
Best Time to Call:
Cell Phone:
Email:

Contact Phone: (575) 631-2253
Alternate Phone:
Fax No: (575) 391-4585
Pager No:

State: NM County: LEA City: RURAL LEA
Address: , WELL CTIES FEDERAL #2
To Address:
Nearest Intersecting Street:
2nd Intersecting Street:
Subdivision:
Latitude: 32.39519100 Longitude: -103.29663550
Zip Code:
Grid:
Township: 22S Range: 36E Section 1/4: 18 NE

Location of Work: FROM EUNICE, GO S. ON NM-207, TRN W. ON DELAWARE
BASIN RD GO 7.7MI, L. ON A LEASE ROAD (ON E.SIDE
OF SWD) GO 0.1MI TO START OF RELEASE AREA ON R. --
SPOT 20FT TO BOTH SIDES OF THE RELEASE AREA AND
THE PRE-EXCAVATED SITE.

Remarks: (GPS: (START)32.3966/ -103.2962; (END)32.3941/
-103.2961) -OPEN ACCESS-

Type of Work: SOIL REMEDIATION

Private Property:	Street:	Overhead Lines:	Blasting:
Easement:	Mechanical Boring:	Premarked:	Y

Work Being Done For: SOUTHERWEST ROYALTIES

The following utility owners have been notified:

SUGS	WNDSTRM	EUPL
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New Mexico One Call

~~Locate Request Confirmation~~

Header Code: STANDARD LOCATE

Request Type: UPDATE

Ticket No: 2012302881 Seq. No: 0

Update of: 2012290051

Original Call Date: 07/27/2012 Time: 07:18:24 AM OP: 240

Transmit Date: 07/27/2012 Time: 07:22:00 AM

Work to Begin Date: 07/31/2012 Time: 07:18:00 AM

Company: HUNGRY HORSE LLC

Contact Name: VERNON BLACK

Contact Phone: (575)631-2253

Alternate Contact:

Alternate Phone:

Best Time to Call:

Fax No: (575)391-4585

Cell Phone:

Pager No:

Email:

State: NM

County: LEA

City: RURAL LEA

Address:

, CITIES FEDERAL #2

To Address:

Nearest Intersecting Street:

2nd Intersecting Street:

Subdivision:

Latitude: 32.39545100 Longitude: -103.29610600

Zip Code:

Grid:

Township: 22S Range: 36E Section 1/4: 18 NE

Location of Work: FROM EUNICE, GO S. ON NM-207, TRN W. ON DELAWARE
BASIN RD GO 7.7MI, L. ON A LEASE ROAD (ON E.SIDE
OF SWD) GO 0.1MI TO START OF RELEASE AREA ON R. --
SPOT 20FT TO BOTH SIDES OF THE RELEASE AREA AND
THE PRE-EXCAVATED SITE.

Remarks: (GPS: (START)32.3966/ -103.2962; (END)32.3941/
-103.2961) -OPEN ACCESS- RELOCATE / STILL WORKING

Type of Work: SOIL REMEDIATION

Private Property: Street:

Overhead Lines: Blasting:

Easement: Mechanical Boring:

Premarked: Y

Work Being Done For: SOUTHWEST ROYALTIES

The following utility owners have been notified:

SUGS WNDSTRM EUPL

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