

# HUNGRY HORSE, LLC

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3709 S. Eunice HWY  
P.O. Box 1058  
Hobbs, NM 88241  
Office: 575-393-3386  
Fax: 575-391-4585  
[info@hungry-horse.com](mailto:info@hungry-horse.com)

DIRT WORK \* ON-SITE REMEDIATION  
SOIL TESTING \* EXCAVATION \* ELECTRICAL

30Jan16

To: Mike Bratcher, New Mexico Oil Conservation Division, Dist. II  
Reference: Flare Over-Spray  
Operator: Devon Energy Production Company  
Location: Diamond PWU 22 #1H  
API: 30-015-38334  
Legals: UL. D, Sec. 22, 19S, R29E, Eddy County  
GPS: 32.6523 -104.0697  
NM OCD: 2RP 3482

## Site Information

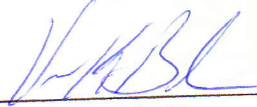
This location is on Curry Comb Road approximately .70 miles east of the intersection of Curry Comb Road (CR 235) and South Old loco Road (CR 210). A flare overspray occurred that impacted both the caliche pad and the pasture on the southeast corner of the location. Approximately .5 bbl of fluids was released. The impacted area is approximately 40' x 130'. There was/is no free standing liquid. The impact is a very thin hydrocarbon crust in the pasture with a crust and discoloration on the caliche pad.

## Work Conducted to date

Soil samples were obtained from the pad and from the pasture and were field tested and lab analysis was conducted for confirmation. Lab results indicated very low presence of Chlorides with elevated levels of TPH and BTEX at the surface.

## Proposal

I propose to treat the impacted area with a liberal application of MicroBlaze and then use large landscape rakes to rake and blend the impacted soil. This action will "break the crust" of the hydrocarbons and aid the microbes in remediation. This proposal will cause the least amount of surface disturbance, while assuring remediation of the hydrocarbons.

  
\_\_\_\_\_  
Vernon K. Black, Hungry Horse, LLC

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

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

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-141  
Revised August 8, 2011

JAN 08 2016  
Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

NAB1601139679 6137 OPERATOR ☒ Initial Report ☐ Final Report

Name of Company	Devon Energy Production Company	Contact	Rudy Zuniga Production Foreman
Address	6488 Seven Rivers Hwy Artesia, NM 88210	Telephone No.	575-390-5435
Facility Name	Diamond PWU 22 #1H	Facility Type	Oil
Surface Owner	State	Mineral Owner	State
		API No	30-015-38334

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	22	19S	29E	575	North	330	West	Eddy

Latitude: N 32° 65' 19.52"

Longitude: W 104° 07' 01.29"

NATURE OF RELEASE

Type of Release Spill	Oil	Volume of Release	.5 bbl oil	Volume Recovered	.0 bbl
Source of Release	2 phase separator dump valve	Date and Hour of Occurrence	12.23.15 @ 11:30 am	Date and Hour of Discovery	12.23.15 @ 11:30 am
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Heather Patterson @ OCD		
By Whom?	Jesse Armendariz Assistant Production Foreman	Date and Hour	12.23.15 @ 11:40 am		
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.* 2 phase separator dump valve was stuck causing a .5 bbl oil spray release. Well was shut in to prevent further release. The dump valve was rebuilt.					
Describe Area Affected and Cleanup Action Taken.* .5 bbl oil spray was released on the East, South East side of the pad. None of the spray was recovered. The size of the affected area was 10'x20' off the pad. Environmental agency to be contacted for remediation.					

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: Corina Moya

Printed Name: Corina Moya

Title: Field Admin Support

E-mail Address: corina.moya@dmn.com

Date: 1.5.16 Phone: 575.746.5559

Signed By: [Signature]

Approved by Environmental Specialist:

Approval Date: 1/11/16

Expiration Date:

N/A

Conditions of Approval:

Remediation per O.C.D. Rules & Guidelines  
SUBMIT REMEDIATION PROPOSAL NO

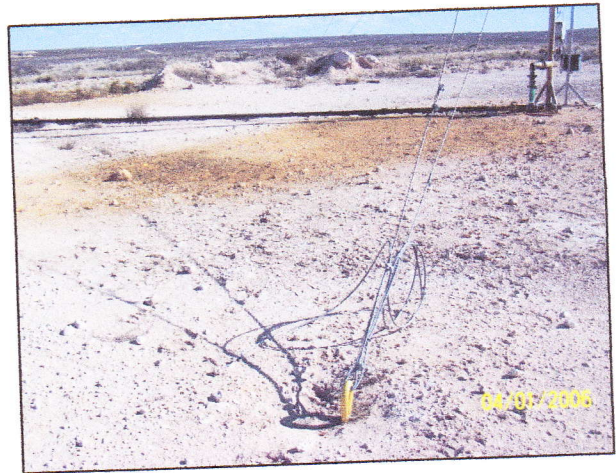
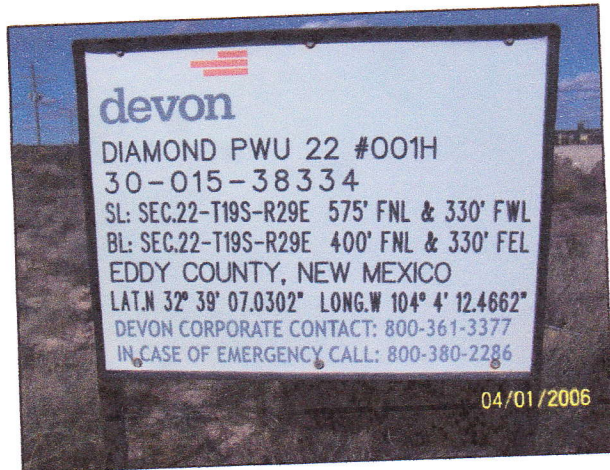
LATER THAN: 2/12/16

Attached ☐

\* Attach Additional Sheets If Necessary

2RP-3482







Devon Energy Production Company-Diamond PWU 22 #1H



Impacted are is approximately 20' x 40'.



January 29, 2016

VERNON BLACK  
Hungry Horse Environmental  
P.O. Box 1058  
Hobbs, NM 88240

RE: DIAMOND PWU 22 #1H

Enclosed are the results of analyses for samples received by the laboratory on 01/26/16 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,



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: 01/26/2016  
 Reported: 01/29/2016  
 Project Name: DIAMOND PWU 22 #1H  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 01/26/2016  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ SURFACE (H600182-01)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.624</b>	0.500	01/28/2016	ND	2.11	106	2.00	0.588	
<b>Toluene*</b>	<b>25.3</b>	0.500	01/28/2016	ND	2.06	103	2.00	1.14	
<b>Ethylbenzene*</b>	<b>16.4</b>	0.500	01/28/2016	ND	1.87	93.4	2.00	1.45	
<b>Total Xylenes*</b>	<b>60.9</b>	1.50	01/28/2016	ND	5.63	93.8	6.00	0.954	
<b>Total BTX</b>	<b>103</b>	3.00	01/28/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 114 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>112</b>	16.0	01/27/2016	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
<b>GRO C6-C10</b>	<b>1680</b>	100	01/27/2016	ND	199	99.3	200	3.47	
<b>DRO &gt;C10-C28</b>	<b>20800</b>	100	01/27/2016	ND	190	95.0	200	4.27	

Surrogate: 1-Chlorooctane 176 % 35-147

Surrogate: 1-Chlorooctadecane 486 % 28-171

\*=Accredited Analyte

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

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

 Received: 01/26/2016  
 Reported: 01/29/2016  
 Project Name: DIAMOND PWU 22 #1H  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 01/26/2016  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 6" (H600182-02)**

BTEx 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/28/2016	ND	2.11	106	2.00	0.588	
Toluene*	12.4	0.500	01/28/2016	ND	2.06	103	2.00	1.14	
Ethylbenzene*	7.95	0.500	01/28/2016	ND	1.87	93.4	2.00	1.45	
Total Xylenes*	31.1	1.50	01/28/2016	ND	5.63	93.8	6.00	0.954	
Total BTEx	51.5	3.00	01/28/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 120 % 73.6-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/27/2016	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	777	50.0	01/27/2016	ND	199	99.3	200	3.47	
DRO >C10-C28	3140	50.0	01/27/2016	ND	190	95.0	200	4.27	

Surrogate: 1-Chlorooctane 127 % 35-147

Surrogate: 1-Chlorooctadecane 115 % 28-171

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

 Received: 01/26/2016  
 Reported: 01/29/2016  
 Project Name: DIAMOND PWU 22 #1H  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 01/26/2016  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SP 2 @ SURFACE (H600182-03)**

BTX 8021B		mg/kg	Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2016	ND	2.11	106	2.00	0.588	
Toluene*	0.316	0.050	01/28/2016	ND	2.06	103	2.00	1.14	
Ethylbenzene*	0.681	0.050	01/28/2016	ND	1.87	93.4	2.00	1.45	
Total Xylenes*	3.81	0.150	01/28/2016	ND	5.63	93.8	6.00	0.954	
Total BTX	4.80	0.300	01/28/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 150 % 73.6-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/27/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	267	100	01/27/2016	ND	199	99.3	200	3.47	
DRO >C10-C28	11900	100	01/27/2016	ND	190	95.0	200	4.27	

Surrogate: 1-Chlorooctane 147 % 35-147

Surrogate: 1-Chlorooctadecane 274 % 28-171

\*=Accredited Analyte

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Caley 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: 01/26/2016  
Reported: 01/29/2016  
Project Name: DIAMOND PWU 22 #1H  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 01/26/2016  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 6" (H600182-04)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2016	ND	2.11	106	2.00	0.588	
Toluene*	0.057	0.050	01/27/2016	ND	2.06	103	2.00	1.14	
Ethylbenzene*	0.060	0.050	01/27/2016	ND	1.87	93.4	2.00	1.45	
Total Xylenes*	0.266	0.150	01/27/2016	ND	5.63	93.8	6.00	0.954	
Total BTX	0.383	0.300	01/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 109 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/27/2016	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	35.7	10.0	01/27/2016	ND	193	96.4	200	7.80	
DRO >C10-C28	1330	10.0	01/27/2016	ND	170	85.0	200	21.0	

Surrogate: 1-Chlorooctane 85.6 % 35-147

Surrogate: 1-Chlorooctadecane 73.8 % 28-171

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**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.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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

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Celey D. Keene, Lab Director/Quality Manager



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

<b>Company Name:</b> Hungry Horse, LLC <b>Project Manager:</b> Vernon K. Black <b>Address:</b> PO Box 1058 <b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88241 <b>Phone #:</b> 575-631-2253 <b>Fax #:</b> 575-391-4585 <b>Project #:</b> <b>Project Name:</b> Diamond & Puro 22 114 <b>Project Location:</b> Eddie County <b>Sample Name:</b> Vernon K Black		<b>P.O. #:</b> <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>																										
<b>Lab I.D.</b> HLE0192 1 SP1 surface 2 SP1 6in 3 SP2 surface 4 SP2 6in		<b>Sample I.D.</b> (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER ACID/BASE ICE / COOL OTHER																										
<b>Relinquished By:</b> [Signature] <b>Date:</b> 7-26-16 <b>Time:</b> 4:10 <b>Received By:</b> [Signature] <b>Date:</b> <b>Time:</b>		<b>BILL TO</b> <b>ANALYSIS REQUEST</b>																										
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other:		<b>Sample Condition</b> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>CHECKED BY:</b> [Signature]																										
<b>REMARKS:</b> Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: Add'l Fax #:		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>DATE</th> <th>TIME</th> <th>Chlorides</th> <th>BTEX</th> <th>TPH</th> </tr> </thead> <tbody> <tr> <td>7-26-16</td> <td>1:05</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td></td> <td>1:25</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td></td> <td>1:45</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td></td> <td>2:10</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>		DATE	TIME	Chlorides	BTEX	TPH	7-26-16	1:05	-	-	-		1:25	-	-	-		1:45	-	-	-		2:10	-	-	-
DATE	TIME	Chlorides	BTEX	TPH																								
7-26-16	1:05	-	-	-																								
	1:25	-	-	-																								
	1:45	-	-	-																								
	2:10	-	-	-																								