

**Bratcher, Mike, EMNRD**

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**From:** Vernon Black [vernon@hungry-horse.com]  
**Sent:** Friday, October 28, 2011 2:38 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** 'Bradford, Johnnie'; 'Joslin, Charles R'  
**Subject:** Closure Doc for DCP's M 28 Line  
**Attachments:** DCP M-28 LINE CLOSING DOCUMENTS.pdf; DCP M-28 LINE CLOSING DOCUMENTS.pdf

Hello Mike,

Here are the closure documents for the remediation at DCP's M-28 line. If you need additional info, please let me know. I appreciate your help with this project, especially you taking the time out meet with on the job site.

Thanks,  
Vernon

District I  
1625 N French Dr, Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S St Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised January 1, 2008

Submit 1 Copy to appropriate  
District Office

### Release Notification and Corrective Action

#### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: <b>DCP Midstream, LP</b>	Contact: <b>Johnnie Bradford</b>	
Address: <b>10 Desta Drive, Suite 400 W, Midland, TX., 79705</b>	Telephone# & E-mail: <b>432.620.4166 / jbradford@dcpmidstream.com</b>	
Facility Name: <b>M-28 Pipeline Segment</b>	Facility Type: <b>Pipeline</b>	
Surface Owner: <b>State of NM</b>	Mineral Owner:	Well API No.:

#### LOCATION OF RELEASE

Unit Letter	Section 32	Township 18	Range 30	Feet from the	North/South Line S	Feet from the	East/West Line E	County Lea
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Latitude 32.697035 Longitude 103.987277

#### NATURE OF RELEASE

Type of Release : <b>Gas and Oil</b>	Volume of Release: <b>420 Mscf gas/ 15 bbls of oil</b>	Volume Recovered: <b>0</b>
Source of Release: <b>Pipeline</b>	Date & Hour of Occurrence: <b>06/28/2011 - 17:15</b>	Date & Hour of Discovery: <b>Same</b>
Was Immediate Notice Given OCD? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom @ OCD? <b>Mike Bratcher</b>	
By Whom? <b>Johnnie Bradford</b>	Date and Hour: <b>06/30/2011 ~ 11:00 hrs</b>	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. <b>NA</b>	
If a Watercourse was Impacted, Describe Fully.* <b>NA</b>		
Describe Cause of Problem and Remedial Action Taken. (If water spilled, give Chloride content)* <b>A DCPM pipeline (M-28) was struck by a contractor just west of Duval Shaft Road while the contractor was mining caliche from a State/BLM owned pit at that location. The resulting release from the line strike generated ~15 bbls of oil sprayed over 1.5 to 2 acres and ~420 Mscf of natural gas released to the atmosphere.</b> <b>The pipeline segment was immediately isolated from service by DCPM field personnel. The affected area was evaluated and a remediation contractor consulted to provide clean up services. The gouge in the pipeline was repaired as safely and expeditiously as possible by contracted Roustabout crews.</b>		
Describe Area Affected, Dimensions, and Cleanup Action Taken.* <b>Hungry Horse Environmental will evaluate the site and submit a work plan for approval before remediation is to begin.</b>		


RECEIVED

NOV 8 2011

NMOCDA ARTESIA

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 District Supervisor:		
Printed Name: <b>Johnnie Bradford</b>			
Title: <b>Sr. Environmental Specialist</b>	Approval Date:	Expiration Date:	
E-mail Address: <b>jbradford@dcpmidstream.com</b>	Conditions of Approval:		RP#
Date: <b>07/12/2011</b> Phone: <b>432.620.4166</b>			

\* Attach Additional Sheets If Necessary

# HUNGRY HORSE, LLC ENVIRONMENTAL SERVICES

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

Page | 1

8July11

To: Mike Bratcher NM OCD, Dist 2  
Andrew Kraemer, NM SLO (Carlsbad)  
Johnnie Bradford, DCP Midstream  
Charlie Joslin, DCP Midstream  
Reference: Remediation Work Plan  
Operator: DCP Midstream  
Line: M 28 Line  
Legals: Sec. 32, T18S, R30E (Eddy County, NM)  
GPS: N 32.69707 W 103.98740

## **Site Background Info**

This affected area is between Hobbs and Carlsbad on CR250/Grubbs Road approximately 1 mile east of Highway 360. The remediation is the result of a line strike by a contractor that caused an unplanned release of fluid from the pipeline owned by DCP Midstream. The release point is at the northeast corner of a caliche pit. The north half of the pit, as well as the affected area, is owned by the State of New Mexico.

The natural contour of the land is a gradual slope to the west. There are two arroyos that run east/west on the north side of the pit. These arroyos are approximately 5'-7' deep. The area consists mainly of native grasses, yucca plants, and mesquite bushes. Based upon the Eddy County Depth to Groundwater Map, depth to ground water is 100'-200'. There are no known water wells or surface bodies of water within 1000' of this location. Thus, this site is given a Site Ranking Score of 0.

## **Work Conducted to Date**

Upon notification of the line strike, the line was shut in and immediately repaired. Due to the location of the line in relation to the stockpile of the pit, much of the released liquid was absorbed into the loose stockpiled overburden. Thus recovery of released liquid by vacuum truck was not possible. A site assessment was conducted and initial soil samples were obtained (see attachments) to determine the contents of the line and to aid in developing a remediation work plan.

## **Proposed Work Plan**

The goal of this proposal is to thoroughly remediate the affected areas by causing minimal amount damage to the existing terrain. This goal will be accomplished by the following steps.

**HUNGRY HORSE, LLC**  
**ENVIRONMENTAL SERVICES**

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

Page | 2

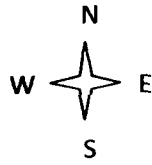
- 1) Using a pressure washer, all mesquite bushes and any other vegetation taller than the native grasses will be thoroughly washed with a mixture of freshwater and a biodegradable soap.
- 2) The affected areas on the walls and bottom of the two arroyos (see attached sketch) will be treated with a heavy application of MicroBlaze.
- 3) The area to the north of the pit that received the over-spray will be heavily disked allowing the minimal surface contaminants to be blended with clean soil.
- 4) The area in the vicinity of the where the line strike occurred, will be excavated to remove the heaviest concentrations of saturated soil. The excavated material will be transported to a division approved facility for disposal.
- 5) Upon removal of the saturated soil, additional soil samples will be obtained and analyzed for Chlorides/TPH/BTEX. Lab results will be presented to NM OCD's Mike Bratcher for discussion of the possibility of blending the remaining contaminants with the stockpile of overburden material on the north side of the pit.
- 6) When moisture conditions are favorable for re-growth, the area to the north that was heavily disked will be re-seeded with a NM State Land Office seed mixture and lightly disked.

Thanks for your help and I look forward to once again working with all involved.

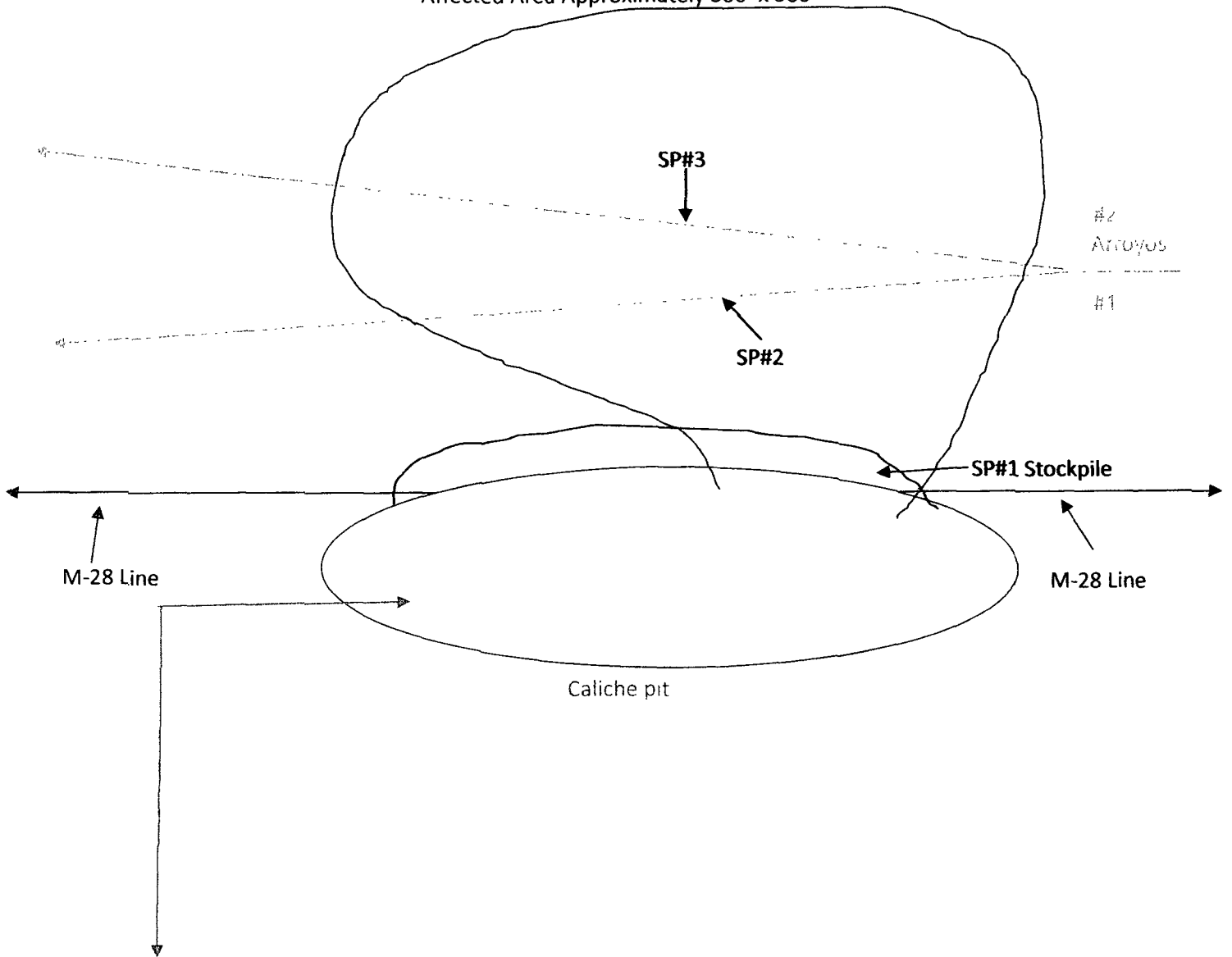


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Vernon K. Black, Hungry Horse, LLC



Affected Area Approximately 300' x 300'



NOTE: Drawing is not to scale, to be used for illustration purposes only.

**SP #1 Stockpile SP #2 N Wall of Arroyo #1 SP #3 Bottom of Arroyo #2**

<b>Surface</b>	6720ppm	1250ppm	496ppm
<b>1' BGS</b>	*****	*****	32ppm
<b>3' BGS</b>	256ppm	224ppm	*****

CHLORIDE LAB RESULTS

**SP #1 Stockpile SP #2 N Wall of Arroyo #1 SP #3 Bottom of Arroyo #2**

<b>Surface</b>	161.8ppm	34.88ppm	24.57ppm
<b>1' BGS</b>	*****	*****	1.61ppm
<b>3' BGS</b>	725.15ppm	2.45ppm	*****

Total BTEX Lab Results

**SP #1 Stockpile SP #2 N Wall of Arroyo #1 SP #3 Bottom of Arroyo #2**

<b>Surface</b>	5750/19000	1110/20000	1400/26000
<b>1' BGS</b>	*****	*****	48/601
<b>3' BGS</b>	15600/24600	41/120	*****

TPH (GRO/DRO) Lab Results

DCP's M 28 Line Initial Soil Sampling

**Analytical Results For:**

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

 Received: 07/01/2011  
 Reported: 07/06/2011  
 Project Name: M-28 LINE  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 06/30/2011  
 Sampling Type: Soil  
 Sampling Condition: Coe & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP #1 TOP STOCKPILE SURFACE (H101361-01)**

BTEX 8021B		mg/kg	Analyzed By: CMS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	07/05/2011	ND	1.83	91.6	2.00	1.23	
Toluene*	29.6	0.500	07/05/2011	ND	2.00	99.9	2.00	0.584	
Ethylbenzene*	9.29	0.500	07/05/2011	ND	2.03	101	2.00	2.76	
Total Xylenes*	123	1.50	07/05/2011	ND	6.15	103	6.00	0.439	

Surrogate 4-Bromofluorobenzene (PIL) 132 % 70-130

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6720	16.0	07/01/2011	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: ab					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	5750	50.0	07/01/2011	ND	163	81.5	200	3.90	
DRO >C10-C28	19000	50.0	07/01/2011	ND	149	74.3	200	1.95	

Surrogate 1-Chlorooctane 214 % 70-130

Surrogate 1-Chlorooctadecane 106 % 70-130

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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: 07/01/2011  
Reported: 07/06/2011  
Project Name: M-28 LINE  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 06/30/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP #1 TOP STOCKPILE 3' BGS (H101361-02)**

BTEX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>6.65</b>	5.00	07/05/2011	ND	1.83	91.6	2.00	1.23	
<b>Toluene*</b>	<b>248</b>	5.00	07/05/2011	ND	2.00	99.9	2.00	0.584	
<b>Ethylbenzene*</b>	<b>34.5</b>	5.00	07/05/2011	ND	2.03	101	2.00	2.76	
<b>Total Xylenes*</b>	<b>406</b>	15.0	07/05/2011	ND	6.15	103	6.00	0.439	

Surrogate 4-Bromofluorobenzene (PII) 119 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>256</b>	16.0	07/01/2011	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ab						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>15600</b>	50.0	07/05/2011	ND	163	81.5	200	3.90		
<b>DRO &gt;C10-C28</b>	<b>24600</b>	50.0	07/05/2011	ND	149	74.3	200	1.95		

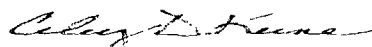
Surrogate 1-Chlorooctane 563 % 70-130

Surrogate 1-Chlorooctadecane 509 % 70-130

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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: 07/01/2011  
 Reported: 07/06/2011  
 Project Name: M-28 LINE  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 06/30/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP #2 N WALL #1 ARROYO SURFACE (H101361-03)**

BTEX 8021B		mg/kg	Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	07/05/2011	ND	1.83	91.6	2.00	1.23	
Toluene*	6.20	0.500	07/05/2011	ND	2.00	99.9	2.00	0.584	
Ethylbenzene*	1.88	0.500	07/05/2011	ND	2.03	101	2.00	2.76	
Total Xylenes*	26.8	1.50	07/05/2011	ND	6.15	103	6.00	0.439	

Surrogate 4-Bromofluorobenzene (PIE) 116 % 70-130

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	07/01/2011	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1110	50.0	07/01/2011	ND	163	81.5	200	3.90	
DRO >C10-C28	20000	50.0	07/01/2011	ND	149	74.3	200	1.95	

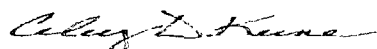
Surrogate 1-Chlorooctane 123 % 70-130

Surrogate 1-Chlorooctadecane 98.5 % 70-130

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Celey D. Keene, Lab Director/Quality Manager



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

### Analytical Results For:

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

Received: 07/01/2011  
Reported: 07/06/2011  
Project Name: M-28 LINE  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 06/30/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

### Sample ID: SP #2 N WALL #1 ARROYO 3' BGS (H101361-04)

BTX 8021B		mg/kg	Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2011	ND	1.83	91.6	2.00	1.23	
Toluene*	0.324	0.050	07/05/2011	ND	2.00	99.9	2.00	0.584	
Ethylbenzene*	0.137	0.050	07/05/2011	ND	2.03	101	2.00	2.76	
Total Xylenes*	2.00	0.150	07/05/2011	ND	6.15	103	6.00	0.439	

Surrogate 4-Bromofluorobenzene (PIL) 119 % 70-130

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/01/2011	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	41.2	10.0	07/01/2011	ND	163	81.5	200	3.90	
DRO >C10-C28	120	10.0	07/01/2011	ND	149	74.3	200	1.95	

Surrogate 1-Chlorooctane 113 % 70-130

Surrogate 1-Chlorooctadecane 109 % 70-130

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Fax To: (505) 391-4585

Received: 07/01/2011  
Reported: 07/06/2011  
Project Name: M-28 LINE  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 06/30/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP #3 BTM OF #2 ARROYO SURFACE (H101361-05)**

BTEX 8021B		mg/kg	Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	07/05/2011	ND	1.83	91.6	2.00	1.23	
Toluene*	3.73	0.500	07/05/2011	ND	2.00	99.9	2.00	0.584	
Ethylbenzene*	1.24	0.500	07/05/2011	ND	2.03	101	2.00	2.76	
Total Xylenes*	19.6	1.50	07/05/2011	ND	6.15	103	6.00	0.439	

Surrogate 4-Bromofluorobenzene (PIL) 123 % 70-130

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	07/01/2011	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: ab					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1400	50.0	07/01/2011	ND	163	81.5	200	3.90	
DRO >C10-C28	26000	50.0	07/01/2011	ND	149	74.3	200	1.95	

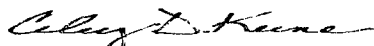
Surrogate 1-Chlorooctane 142 % 70-130

Surrogate 1-Chlorooctadecane 116 % 70-130

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\*=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: 07/01/2011  
 Reported: 07/06/2011  
 Project Name: M-28 LINE  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 06/30/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP #3 BTM #2 ARROYO 1' BGS (H101361-06)**

BTEX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2011	ND	1.83	91.6	2.00	1.23	
Toluene*	0.099	0.050	07/05/2011	ND	2.00	99.9	2.00	0.584	
Ethylbenzene*	0.057	0.050	07/05/2011	ND	2.03	101	2.00	2.76	
Total Xylenes*	1.47	0.150	07/05/2011	ND	6.15	103	6.00	0.439	

Surrogate: 4-Bromofluorobenzene (PIL) 128 % 70-130

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	07/01/2011	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	47.9	10.0	07/01/2011	ND	163	81.5	200	3.90	
DRO >C10-C28	601	10.0	07/01/2011	ND	149	74.3	200	1.95	

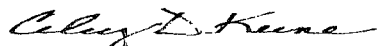
Surrogate 1-Chlorooctane 125 % 70-130

Surrogate 1-Chlorooctadecane 114 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

## Vernon Black

**From:** Bratcher, Mike, EMNRD [mike.bratcher@state.nm.us]  
**Sent:** Thursday, September 01, 2011 10:37 AM  
**To:** Vernon Black  
**Cc:** 'Bradford, Johnnie'; 'Joslin, Charles R'; akraemer@slo.state.nm.us  
**Subject:** DCP M-28 Pipeline Release  
**Reference:** DCP Midstream \* M-28 Pipeline \* P-32-18s-30e \* Eddy County, New Mexico  
**Date of Release:** 6/28/11 \* OCD Tracking:2RP-873

Greetings,

Your proposal for remediation of a produced fluid release, referenced above, is approved with the following conditions/stipulations:

- Notify OCD District 2 office 48 hours prior to commencement of remedial operations.
- Notify OCD District 2 office 48 hours prior to obtaining any samples where the analyses will be submitted to OCD.
- Obtain representative samples, for lab analyses, from the playa area at the base of hill where affected arroyos drain. Samples are to be obtained prior to commencement of washing activities. This data will serve as baseline/background information for future sampling from this area. The object being, to insure contaminants are not being washed down during precipitation events.
- Soil blending will be considered, based on analytical data, but is not approved at this time.
- Affected area will be monitored, for a yet to be determined period, to insure remedial actions are effective.
- Submit a Form C-141 marked Final Report, along with a closure report, upon satisfactory completion of project.
- Like approval from any other regulatory authority as may be applicable.

Be advised OCD approval does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other Federal, State, local laws and/or regulations.

If you have any questions or concerns, and for notifications, please contact me.

**Mike Bratcher**  
NMOCD District 2  
811 S. First Street  
Artesia, NM 88210  
575-748-1283 Ext. 108  
575-626-0857  
mike.bratcher@state.nm.us

9/1/2011

**Analytical Results For:**

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

 Received: 07/25/2011  
 Reported: 07/28/2011  
 Project Name: M-28 LINE  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 WEST END (H101541-01)**

BTEX 8021B		mg/kg	Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2011	ND	1.80	90.1	2.00	5.68	
Toluene*	0.113	0.050	07/26/2011	ND	2.05	102	2.00	3.60	
Ethylbenzene*	0.079	0.050	07/26/2011	ND	2.27	114	2.00	7.77	
Total Xylenes*	0.992	0.150	07/26/2011	ND	7.05	118	6.00	7.29	

Surrogate 4-Bromofluorobenzene (PIL) 109 % 70-130

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/26/2011	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	12.8	10.0	07/26/2011	ND	184	91.8	200	3.23	
DRO >C10-C28	2290	10.0	07/26/2011	ND	167	83.4	200	3.62	

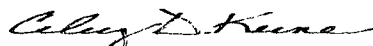
Surrogate 1-Chlorooctane 120 % 70-130

Surrogate 1-Chlorooctadecane 124 % 70-130

Cardinal Laboratories

\* = 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: 07/25/2011  
 Reported: 07/28/2011  
 Project Name: M-28 LINE  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 2 MIDDLE (H101541-02)**

BTX 8021B			mg/kg						
			Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2011	ND	1.80	90.1	2.00	5.68	
Toluene*	<b>0.172</b>	0.050	07/26/2011	ND	2.05	102	2.00	3.60	
Ethylbenzene*	<b>0.091</b>	0.050	07/26/2011	ND	2.27	114	2.00	7.77	
Total Xylenes*	<b>1.24</b>	0.150	07/26/2011	ND	7.05	118	6.00	7.29	

Surrogate 4-Bromofluorobenzene (PIL) 104 % 70-130

Chloride, SM4500Cl-B			mg/kg						
			Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>160</b>	16.0	07/26/2011	ND	400	100	400	3.92	

TPH 8015M			mg/kg						
			Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<b>22.9</b>	10.0	07/26/2011	ND	184	91.8	200	3.23	
DRO >C10-C28	<b>1950</b>	10.0	07/26/2011	ND	167	83.4	200	3.62	

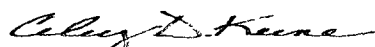
Surrogate 1-Chlorooctane 117 % 70-130

Surrogate 1-Chlorooctadecane 118 % 70-130

Cardinal Laboratories

\*=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: 07/25/2011  
Reported: 07/28/2011  
Project Name: M-28 LINE  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 07/25/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 EAST END (H101541-03)**

BTX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>1.08</b>	0.500	07/27/2011	ND	1.92	96.1	2.00	5.22	
<b>Toluene*</b>	<b>19.0</b>	0.500	07/27/2011	ND	1.93	96.5	2.00	7.97	
<b>Ethylbenzene*</b>	<b>8.52</b>	0.500	07/27/2011	ND	1.99	99.4	2.00	4.79	
<b>Total Xylenes*</b>	<b>82.0</b>	1.50	07/27/2011	ND	6.02	100	6.00	7.00	

Surrogate: 4-Bromofluorobenzene (PIL) 123 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>256</b>	16.0	07/26/2011	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>3730</b>	10.0	07/26/2011	ND	184	91.8	200	3.23	
<b>DRO &gt;C10-C28</b>	<b>6570</b>	10.0	07/26/2011	ND	167	83.4	200	3.62	

Surrogate: 1-Chlorooctane 134 % 70-130

Surrogate: 1-Chlorooctadecane 122 % 70-130

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Celey D. Keene, Lab Director/Quality Manager





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

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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

93-2476  
#26

**Analytical Results For:**

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

Received: 09/06/2011  
Reported: 09/08/2011  
Project Name: DCP M28 LINE  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY

Sampling Date: 09/02/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP C 1' BGS (H101886-03)** *SPC is at base of array where it enters the playa*

BTX 8021B		mg/kg	Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2011	ND	2.42	121	2.00	7.65	
Toluene*	<0.050	0.050	09/07/2011	ND	2.37	118	2.00	9.63	
Ethylbenzene*	<0.050	0.050	09/07/2011	ND	2.36	118	2.00	8.37	
Total Xylenes*	<0.150	0.150	09/07/2011	ND	7.07	118	6.00	8.03	

Surrogate 4-Bromofluorobenzene (PIL) 110 % 64 4-134

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	09/06/2011	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/07/2011	ND	169	84.5	200	1.21	
DRO >C10-C28	30.8	10.0	09/07/2011	ND	171	85.3	200	0.811	

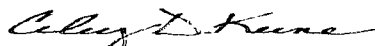
Surrogate 1-Chlorooctane 112 % 55 5-154

Surrogate 1-Chlorooctadecane 112 % 57.6-158

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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: 09/06/2011  
Reported: 09/08/2011  
Project Name: DCP M28 LINE  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY

Sampling Date: 09/02/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP C 3' BGS (H101886-04)**

*SP C is at base of arroyo where it enters Chaparral*

BTEX 8021B		mg/kg	Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2011	ND	2.42	121	2.00	7.65	
Toluene*	<0.050	0.050	09/07/2011	ND	2.37	118	2.00	9.63	
Ethylbenzene*	<0.050	0.050	09/07/2011	ND	2.36	118	2.00	8.37	
Total Xylenes*	<0.150	0.150	09/07/2011	ND	7.07	118	6.00	8.03	

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 64.4-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/06/2011	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/07/2011	ND	169	84.5	200	1.21	
DRO >C10-C28	<10.0	10.0	09/07/2011	ND	171	85.3	200	0.811	

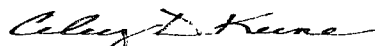
Surrogate: 1-Chlorooctane 113 % 55.5-154

Surrogate: 1-Chlorooctadecane 110 % 57.6-158

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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: 09/06/2011  
Reported: 09/08/2011  
Project Name: DCP M28 LINE  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY

Sampling Date: 09/02/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP A (H101886-01)**

*Top of Stockpile*

**BTEX 8021B**

mg/kg

Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2011	ND	2.42	121	2.00	7.65	
Toluene*	<0.050	0.050	09/07/2011	ND	2.37	118	2.00	9.63	
Ethylbenzene*	<0.050	0.050	09/07/2011	ND	2.36	118	2.00	8.37	
Total Xylenes*	<0.150	0.150	09/07/2011	ND	7.07	118	6.00	8.03	

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 64.4-134

**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	09/06/2011	ND	416	104	400	3.77	

**TPH 8015M**

mg/kg

Analyzed By: ab

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/07/2011	ND	169	84.5	200	1.21	
DRO >C10-C28	<10.0	10.0	09/07/2011	ND	171	85.3	200	0.811	

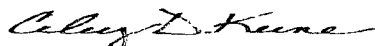
Surrogate: 1-Chlorooctane 117 % 55 5-154

Surrogate: 1-Chlorooctadecane 113 % 57 6-158

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\*=Accredited Analyte

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Celest 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: 09/06/2011  
Reported: 09/08/2011  
Project Name: DCP M28 LINE  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY

Sampling Date: 09/02/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP B (H101886-02)**
*Tony Stockpile*

BTEX 8021B		mg/kg	Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2011	ND	2.42	121	2.00	7.65	
Toluene*	<0.050	0.050	09/07/2011	ND	2.37	118	2.00	9.63	
Ethylbenzene*	<0.050	0.050	09/07/2011	ND	2.36	118	2.00	8.37	
Total Xylenes*	<0.150	0.150	09/07/2011	ND	7.07	118	6.00	8.03	

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 64.4-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/06/2011	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/07/2011	ND	169	84.5	200	1.21	
DRO >C10-C28	777	10.0	09/07/2011	ND	171	85.3	200	0.811	

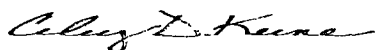
Surrogate: 1-Chlorooctane 121 % 55.5-154

Surrogate: 1-Chlorooctadecane 114 % 57.6-158

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Caley D. Keene, Lab Director/Quality Manager

## Vernon Black

---

**From:** Bratcher, Mike, EMNRD [mike.bratcher@state.nm.us]  
**Sent:** Tuesday, October 11, 2011 11:03 AM  
**To:** Vernon Black  
**Subject:** RE: DCP M 28 Line Closure Approval Request

Vernon,

As we discussed this morning, backfill operations may commence at this site.

Mike Bratcher  
NMOCD District 2  
811 S. First Street  
Artesia, NM 88210  
575-748-1283 Ext. 108  
575-626-0857  
mike.bratcher@state.nm.us

---

**From:** Vernon Black [mailto:vernon@hungry-horse.com]  
**Sent:** Friday, September 23, 2011 10:39 AM  
**To:** Bratcher, Mike, EMNRD  
**Subject:** FW: DCP M 28 Line Closure Approval Request

Mike, Have you had a chance to look at this one?

VKB

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**From:** Vernon Black [mailto:vernon@hungry-horse.com]  
**Sent:** Friday, September 09, 2011 7:16 AM  
**To:** 'Bratcher, Mike, EMNRD'  
**Cc:** 'john@hungry-horse.com'  
**Subject:** DCP M 28 Line Closure Approval Request

Good morning Mike,

Please see the above attachments for closure approval for DCP's M-28 Line. SP's A & B are from the top of the stockpile. These samples along with the original samples indicate contaminant levels at or below closure level requirements. Please note that SP C (not on the sketch) is the sample point at the base of the arroyo's where they enter the playa. We have the points GPS'd and marked for future sampling should the need arise. Please give me a call if you have any questions.

Thanks,  
Vernon

10/11/2011

Additional Information as Requested 08/07/2008

1. Line Size – 12"
2. Normal Operating Pressure – 50 psig
3. Daily Throughput – 5.5 MMscf/d
4. H2S ppm – 200+
5. Line Depth – 36"
6. Gravity of Oil (if applicable) –
7. Field Gathering Line or Transmission – Gathering
8. Area Dimensions of Liquid Spill – 1.5 - 2.0 acres
9. Year of Installation – ~1990