

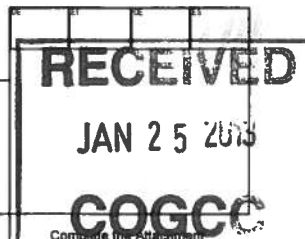
Page 1
FORM
4
Rev 12/05State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax: (303)894-2109



SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)



1. OGCC Operator Number: 10079	4. Contact Name: Cole Kilstrom	
2. Name of Operator: Antero Resources Piceance Corporation	Phone: 303-357-6709	
3. Address: 1625 17th St STE 300 ATTN: Cole Kilstrom	Fax: 303-357-7315	
City: Denver State: CO Zip: 80202		
5. API Number: 05-045-13231	OGCC Facility ID Number: 335542	Survey Plat
6. Well/Facility Name: Valley Farms E Pad	7. Well/Facility Number: E1	Directional Survey
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): SENE 15 6S 92W 6		Surface Equipmt Diagram
9. County: Garfield	10. Field Name: Mamm Creek	Technical Info Page
11. Federal, Indian or State Lease Number:		Other

General Notice

☐ CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)

Change of Surface Footage from Exterior Section Lines: ☐ FNL/FSL ☐ FEL/FWL

Change of Surface Footage to Exterior Section Lines: ☐

Change of Bottomhole Footage from Exterior Section Lines: ☐

Change of Bottomhole Footage to Exterior Section Lines: ☐ attach directional survey

Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer

Latitude _____ Distance to nearest property line _____ Distance to nearest bldg, public rd, utility or RR _____

Longitude _____ Distance to nearest lease line _____ Is location in a High Density Area (rule 603b)? Yes/No _____

Ground Elevation _____ Distance to nearest well same formation _____ Surface owner consultation date: _____

GPS DATA:

Date of Measurement _____ PDOP Reading _____ Instrument Operator's Name _____

☐ CHANGE SPACING UNIT

Formation _____ Formation Code _____ Spacing order number _____ Unit Acreage _____ Unit configuration _____

☐ Remove from surface bond

Signed surface use agreement attached _____

☐ CHANGE OF OPERATOR (prior to drilling):

Effective Date: _____

Plugging Bond: ☐ Blanket ☐ Individual

☐ CHANGE WELL NAME

From: _____ NUMBER _____

To: _____

Effective Date: _____

☐ ABANDONED LOCATION:

Was location ever built? ☐ Yes ☐ No

Is site ready for inspection? ☐ Yes ☐ No

Date Ready for inspection: _____

☐ NOTICE OF CONTINUED SHUT IN STATUS

Date well shut in or temporarily abandoned: _____

Has Production Equipment been removed from site? ☐ Yes ☐ No

MIT required if shut in longer than two years. Date of last MIT _____

☐ SPUD DATE: _____

☐ REQUEST FOR CONFIDENTIAL STATUS (5 mos from date casing set)

☐ SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK *submit cbi and cement job summaries

Method used _____ Cementing tool setting/perf depth _____ Cement volume _____ Cement top _____ Cement bottom _____ Date _____

☐ RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.

Final reclamation will commence on approximately _____

☐ Final reclamation is completed and site is ready for inspection.

Technical Engineering/Environmental Notice

☐ Notice of Intent

Approximate Start Date: _____

☐ Report of Work Done

Date Work Completed: _____

Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)

☐ Intent to Recomplete (submit form 2)

☐ Request to Vent or Flare

☐ E&P Waste Disposal

☐ Change Drilling Plans

☐ Repair Well

☐ Beneficial Reuse of E&P Waste

☐ Gross Interval Changed?

☐ Rule 502 variance requested

☒ Status Update/Change of Remediation Plans

☐ Casing/Cementing Program Change

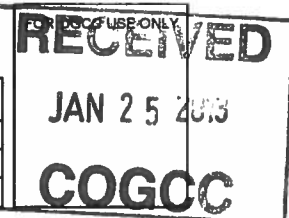
☐ Other: _____ for Spills and Releases

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: Cole Kilstrom
Print Name: Cole KilstromDate: 1/25/2013 Email: ckilstrom@anteroresources.com
Title: ENV SpecialistOGCC Approved: Alex Fischer
CONDITIONS OF APPROVAL IF ANY: _____Title: FOR Date: 01/29/2013Alex Fischer
Supervisor
Western Regionclosed
OK ✓



TECHNICAL INFORMATION PAGE



1. OGCC Operator Number: 10079 API Number: 05-045-13231
2. Name of Operator: Antero Resources Piceance Corp. OGCC Facility ID # 335534
3. Well/Facility Name: Valley Farms E Pad Well/Facility Number: E1
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): SENE 15 6S 92W 6

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS**

Summary of Corrective Actions and Request for Spill Report Closure:

This Form 4 is being submitted in response to the COGCC's Conditions of Approval for closure of Spill Report # 1942269, received from Alex Fischer on December 18, 2012. Per the COAs, truck tickets, confirmation sampling and a map illustrating the location of sampling are attached.

On September 8, 2008, during frac tank transfer operations, a tank overflowed spilling produced water with some condensate present as well. Antero immediately halted fluid transfers to the overflowing tank. While the spill was contained on the pad due to the stormwater controls already in place, much of the fluid was not recoverable because it ran behind and underneath the tank battery.

COGCC Form 19 Spill Report # 1942269 stated that Antero would commence remediation once the frac tanks were removed from the location. The impacted area was to be remediated to COGCC standards for sensitive areas and the soil was to be stockpiled and then profiled for disposal at the West Garfield County Landfill.

Antero began remediation of the pad on September 14, 2008. Antero visually determined the aerial and vertical extent of the spill. The impacted soils were temporarily stockpiled on the pad, before being disposed of at the West Garfield County Landfill on October 21, 2008 and November 24, 2008 as indicated on the attached truck tickets included with this submittal. Confirmation sampling was conducted on the site by HRL Compliance Solutions on September 25, 2008. A spill location sampling map from this sampling event was provided by HRL and is also included with this submittal. The results indicate that the site is compliant with COGCC Table 910-1 standards.

Because Antero has remediated the site, removed all contaminated soils, and demonstrated site compliance with Table 910-1 standards, Antero respectfully requests final COGCC closure of Spill Report # 1942269 in accordance with COGCC Rule 909 (e).

Based on review of information presented on data presented it appears that no further action is necessary at this time, and COGCC approves the closure request. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if ground water is found to be significantly impacted, then further investigation and/or remediation activities may be required at the site.

Fax 970-625-4889

[illegible]



September 30, 2008

Mark Mumby
HRL Compliance Solutions
744 Horizon Ct. #140
Grand Junction, CO 81506

Lab Work Order: 08-7338
Client Project ID: Antero Rources Valley Farm

Dear Mark Mumby:

Enclosed are the analytical results for the samples shown in the Laboratory Work Order Summary. The invoice is included with this report or has been mailed to another party as indicated on the chain of custody.

The enclosed data for testing performed at Evergreen Analytical Laboratory (EAL) have been reviewed for quality assurance. A case narrative is included to describe any anomalies associated with the samples or data.

EAL will dispose of all samples one month from the date of this letter. If you want samples returned, please advise us by mail or fax as soon as possible.

A copy of this project report and supporting data will be retained for a period of five years unless we are otherwise advised by you. A document retrieval charge will apply.

Thank you for using the services of Evergreen Analytical. If you have any questions concerning the analytical data, please contact me. Please direct other questions to Client Services.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Carl Smits', is positioned above the printed name.

Kaprie Hollman/Carl Smits
Quality Assurance
khollman@evergreenanalytical.com

WORK ORDER Summary**Evergreen Analytical, Inc.****08-7338****Rpt To:** Mark Mumby

HRL Compliance Solutions

744 Horizon Ct. #140

Grand Junction, CO 81506

(970) 243-3271

Fax To: Mark Mumby**Email To:** mmumby@hrlcomp.com**FX:** (970) 243-3280

9/25/2008 11:51:19 AM

Client Project ID: Antero Rources Valley Farm Pad E**QC Level:** Level I**Comments:**

Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Test Code	Test Name	Hold	MS	Date Due	Hold Time
08-7338-01A	EXC	Soil	9/22/08 1015	9/25/08	TVH_S *	8015: TVH-Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	9/30/08	10/06/08
08-7338-01B	EXC	Soil	9/22/08 1015	9/25/08	TEH_S *	8015: TEH-Diesel	<input type="checkbox"/>	<input type="checkbox"/>	9/30/08	10/06/08

Definitions: * - Test Code has a Select List

Mail Original Report to:

Attn: HR Compliance SolutionsAddress: 344 Horizon Rd #140City/State/Zip: Grand Jct CO 81506Telephone #: 970 243 3871 Fax #: 970 243 3880Email: mmunby@hrcomp.com

Mail Invoice to:

Attn: Same

Address:

City/State/Zip:

Telephone #:

Project ID #:

P.O. #:

Sampler:

Quote #:

Report Results by:

(date)**

Evergreen Analytical Laboratory

4036 Youngfield Street
Wheat Ridge, Colorado 80033

(303) 425-6021

FAX (303) 425-6854

(877) 737-4521

e-mail info@evergreenanalytical.com

NOTE: Identify Known Hazards Below

SAMPLE IDENTIFICATION DATE SAMPLED TIME

EXC

9-22-08 1015

2

No. of Containers

Drinking Water

Discharge Water

Ground Water

X Soil

Sludge

Other (specify):

X TVPH

X TEPH

MATRIX

ANALYSES

Rush Turn Around Time

** Subject to surcharge & exceptions noted in fee schedule.

less than 24 hrs. +150%*
1 - 2 work days. +100%*
3 - 5 work days. +50%
6 - 9 work days. +25%

* Not all tests are available for this TAT

61

Instructions:

Sample Fraction

A 3

Loc

Anions (check):

☐ Nitrate☐ Nitrite☐ Chloride☐ Sulfate☐ Bromide☐ O-Phosphate☐ Fluoride

Relinquished by: (Signature)

Walter Ellis

Date/Time

9-24-8 1700

Received by: (Signature)

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

For Laboratory Use Only

W.O. # 08-7338

B.O.F. #

C/S (O)

C/S (I)

Temp C

Seals Present

Samples Preserved

Headspace

Ice

By

Y/N/A

Y/N/A

Y/N/A

Y/N/A

Y/N/A

Lab Order: 08-7338

Client Project ID Antero Rources Valley Farm Pad E

CASE NARRATIVE

SAMPLE RECEIVING

Custody seals were present and intact.

The temperature of the sample(s) upon arrival was 2.0 °C.

Sample(s) were received in good condition, in the proper container, and within holding times.

VOC sample(s) were received with no headspace present. JD

QUALITY ASSURANCE (QA)

Analyses performed on samples in this work order by EAL meet the requirements of the EAL Quality Assurance Program unless otherwise explained. Analyses of RCRA samples meet the requirements of NELAC and Utah Rule R444-14 unless otherwise explained. TP

CLIENT SERVICES

There are no anomalies to report. PM

GAS CHROMATOGRAPHY

Method TVH_S: The surrogate recovery for the laboratory control spike (LCS) is above the QC limit; all spiked analyte recoveries are within QC limits, so the sample result is not affected. There are no other anomalies to report. VM

Method TEH_S: There are no anomalies to report. MDS

788

Evergreen Analytical, Inc.
4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862
(303) 425-6021

Client Sample ID: EXC	Lab Work Order 08-7338
Client Project ID: Antero Rources Valley Farm Pad	Lab Sample ID: 08-7338-01A
Date Collected: 9/22/08	Sample Matrix: Soil
Date Received: 9/25/08	

TOTAL VOLATILE HYDROCARBONS

Method: SW8015B MOD


Prep Method: SW5035

Date Prepared: 9/25/08	Lab File ID: TVB20925\013F	Dilution Factor: 5
Date Analyzed: 9/25/08	Method Blank: MB2092508	

Analytes	CAS Number	Result	LQL	Units
TVH-Gasoline	86290-81-5	U	1.0	mg/Kg
Surr: 1,2,4-Trichlorobenzene (S)	120-82-1	116	QC Limits: 60-140	%REC

VM

Analyst



Approved

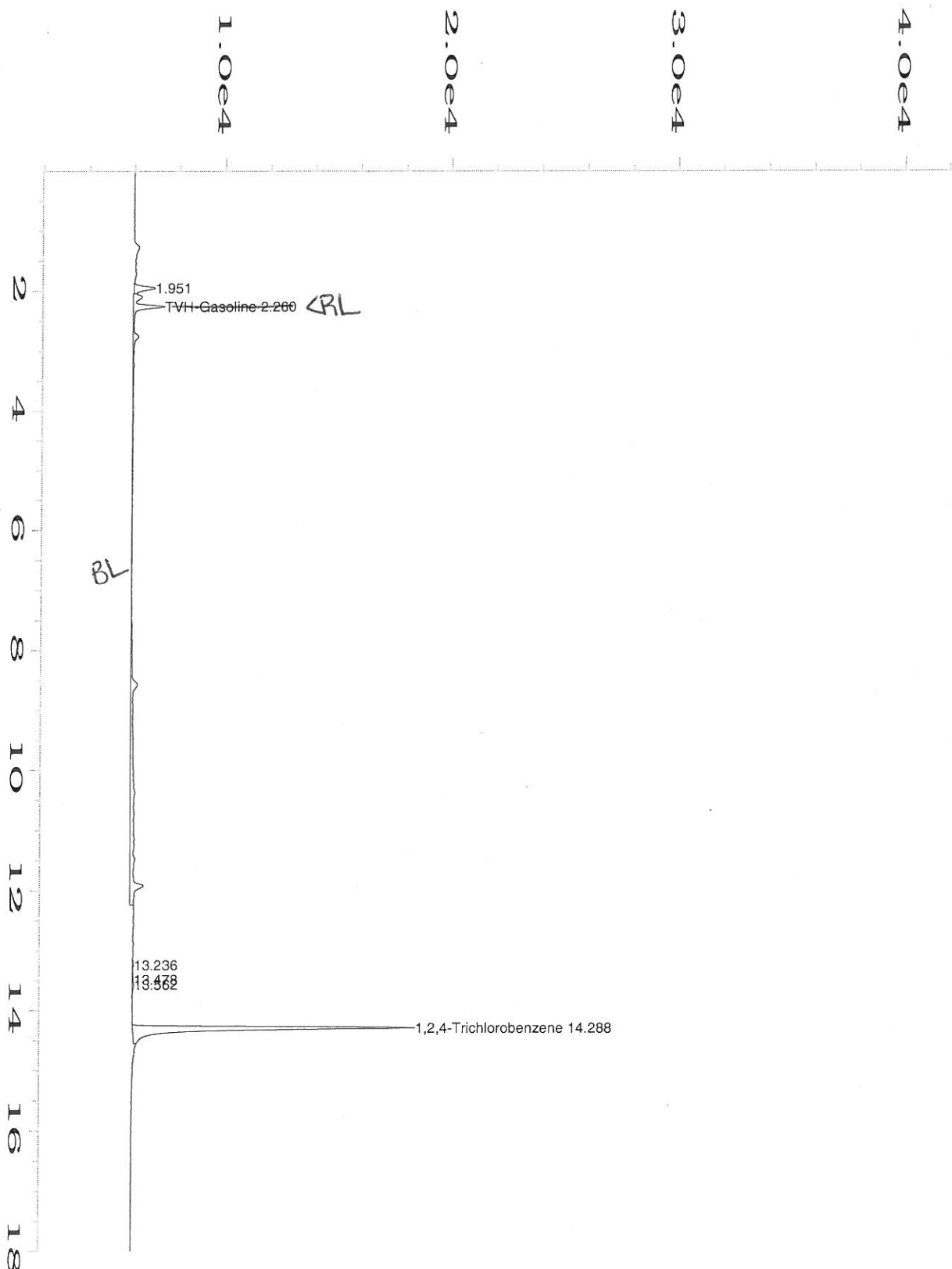
Notes: Total Xylenes consist of three isomers, two of which co-elute. The Xylene RL is for a single peak. Confirmation analysis was not performed.

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result
E - Extrapolated value. Value exceeds calibration range
H - Sample analysis exceeded analytical holding time
J - Indicates an estimated value when the compound is detected, but is below the LQL
S - Spike Recovery outside accepted limits
U - Compound analyzed for but not detected
X - See case narrative
* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: LQL - Lower Quantitation Limit
Surr - Surrogate

Print Date: 9/26/08

user modified



Data File Name	: C:\HPCHEM\2\DATA\TVB20925\013F0101.D	Page Number	: 1
Operator	: Virginia Meyer	Vial Number	: 13
Instrument	: TVHBTEX2	Injection Number	: 1
Sample Name	: 08-7338-01A	Sequence Line	: 1
Run Time Bar Code:		Instrument Method	: TW20916.MTH
Acquired on	: 25 Sep 08 07:44 PM	Analysis Method	: TW20916.MTH
Report Created on:	: 26 Sep 08 10:37 AM	Sample Amount	: 0
Last Recalib on	: 18 SEP 08 02:55 PM	ISTD Amount	:
Multiplier	: 1		

VM 9.26.08

Evergreen Analytical, Inc.

4036 Youngfield Street, Wheat Ridge, Colorado 80033-3862

(303) 425-6021

Lab Order: 08-7338

Client Project ID: Antero Rources Valley Farm Pad E

Matrix: Soil

Date Received: 9/25/08

Date Prepared: 9/29/08

Prep Batch ID: 16834

Units: mg/Kg

Total Extractable Hydrocarbons

Diesel Fuel (No. 2)

Prep Method: SW3550B

Method: SW8015B Mod

Lab ID	Client Sample ID	File ID	Date Collected	Date Analyzed	DF	Surr REC	Sample Results	LQL
08-7338-01B	EXC	FID60929\059R	9/22/08	9/29/08	1	48%	210	14

Surrogate QC Limits 39-130 %REC Surr: TBB

Analyst

Approved

Qualifiers: B - Analyte detected in the associated Method Blank, value not subtracted from result

E - Extrapolated value. Value exceeds calibration range

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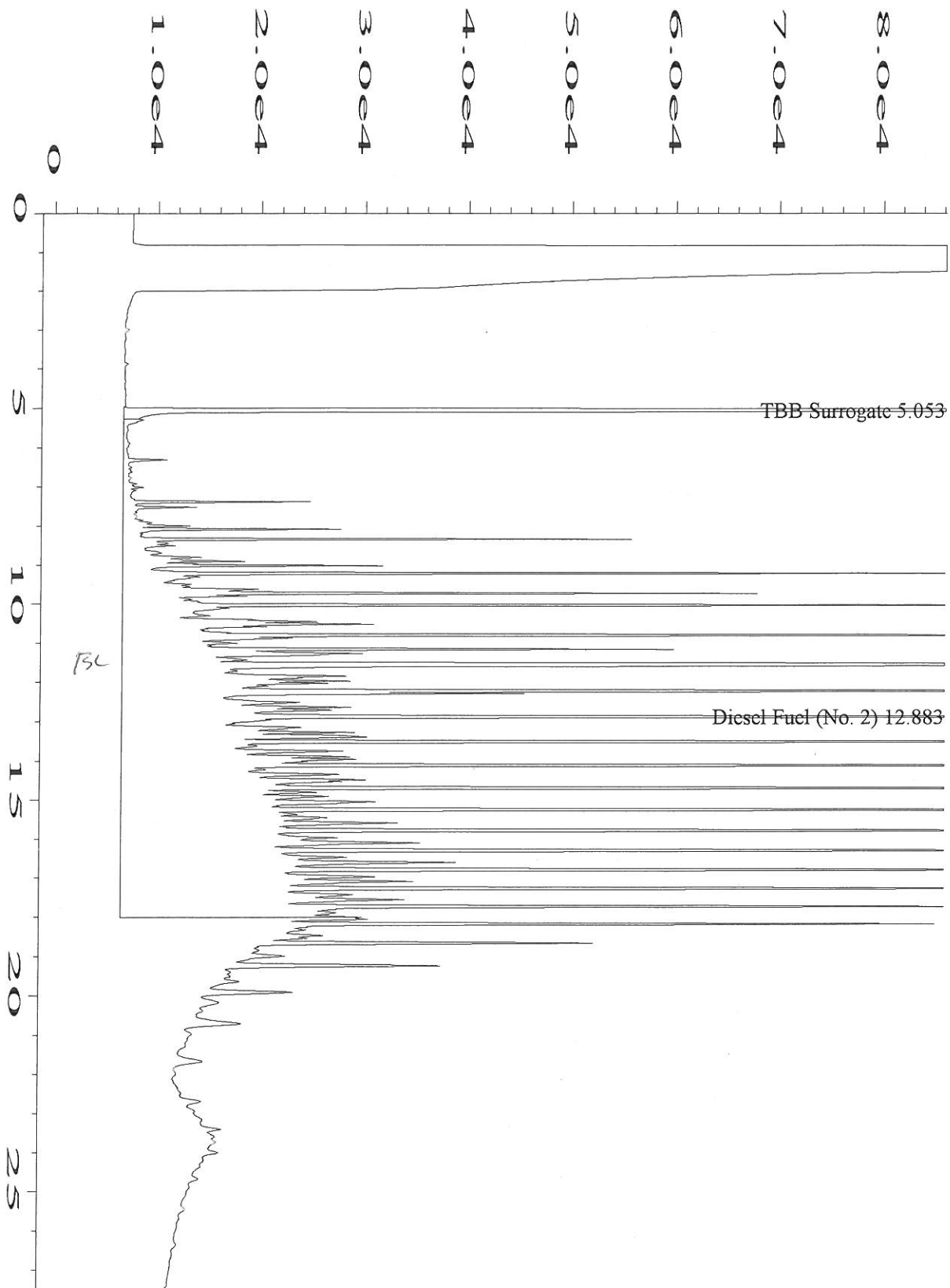
* - Value exceeded the Maximum Contamination Level (MCL), TCLP limit, or if compound is undetected, LQL exceeds MCL.

Definitions: DF - Dilution Factor

LQL - Lower Quantitation Limit

Surr - Surrogate

Print Date: 9/30/08



user modified

Data File Name	: C:\HPCHEM\1\DATA\FID60929\059R0101.D	Page Number	: 1
Operator	: Marcus Stephenson	Vial Number	: 59
Instrument	: FID6	Injection Number	: 1
Sample Name	: 08-7338-01B	Sequence Line	: 1
Run Time Bar Code:		Instrument Method	: DUALFID.MTH
Acquired on	: 29 Sep 08 07:03 PM	Analysis Method	: DR0417.MTH
Report Created on:	: 30 Sep 08 08:39 AM	Sample Amount	: 0
Last Recalib on	: 18 APR 08 10:01 AM	ISTD Amount	:
Multiplier	: 1		

1x MS 4-30-08

QUALITY ASSURANCE REPORTS

METHOD BLANKS (MB)

LABORATORY CONTROL SPIKES (LCS)

MATRIX SPIKES (MS/MSD)*

DUPLICATES (DUP)*

♦ **For Metals or Wet Chemistry analyses: only included if requested.**

Work Order: 08-7338
Client Project ID: Antero Rources Valley Farm Pad E

ANALYTICAL QC SUMMARY REPORT

BatchID: R42310

Sample ID: MB2092508	Sample Type: MBLK	Test Code: TVH_S	Run ID: TVHBTX2_080925B	Prep Date: 9/25/08	Units: mg/Kg
Batch ID: R42310	Test No: SW8015B Mo	File ID: TVB209251003F	Analysis Date: 9/25/08	SeqNo: 746200	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
TVH-Gasoline	U	1.0			
Surr: 1,2,4-Trichlorobenzene (S)	682.8	0	500	0	137 60 140 0 0
Sample ID: LCS2092508	Sample Type: LCS	Test Code: TVH_S	Run ID: TVHBTX2_080925B	Prep Date: 9/25/08	Units: mg/Kg
Batch ID: R42310	Test No: SW8015B Mo	File ID: TVB209251004F	Analysis Date: 9/25/08	SeqNo: 746201	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
TVH-Gasoline	9.2	1.0	11	0	83.6 70 130 0 0
Surr: 1,2,4-Trichlorobenzene (S)	895.1	0	500	0	179 60 140 0 0
Sample ID: 08-7294-01DMS	Sample Type: MS	Test Code: TVH_S	Run ID: TVHBTX2_080925B	Prep Date: 9/25/08	Units: mg/Kg
Batch ID: R42310	Test No: SW8015B Mo	File ID: TVB209251008F	Analysis Date: 9/25/08	SeqNo: 746204	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
TVH-Gasoline	6.79	1.0	11	0	61.7 62 130 0 0
Surr: 1,2,4-Trichlorobenzene (S)	459.6	0	500	0	91.9 60 140 0 0
Sample ID: 08-7294-01DMSD	Sample Type: MSD	Test Code: TVH_S	Run ID: TVHBTX2_080925B	Prep Date: 9/25/08	Units: mg/Kg
Batch ID: R42310	Test No: SW8015B Mo	File ID: TVB209251009F	Analysis Date: 9/25/08	SeqNo: 746205	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
TVH-Gasoline	6.955	1.0	11	0	63.2 62 130 6.79 2.40 30
Surr: 1,2,4-Trichlorobenzene (S)	443.2	0	500	0	88.6 60 140 0 0

Qualifiers:

U - Not detected at or above the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside acceptance limits
E - Extrapolated value, value exceeds calibration range.
R - RPD outside acceptance limits
B - Analyte detected in the associated Method Blank
H - Prep or analytical holding time exceeded
X - See case narrative



Evergreen Analytical, Inc.

Date: 30-Sep-08

Work Order: 08-7338

Client Project ID: Antero Rources Valley Farm Pad E

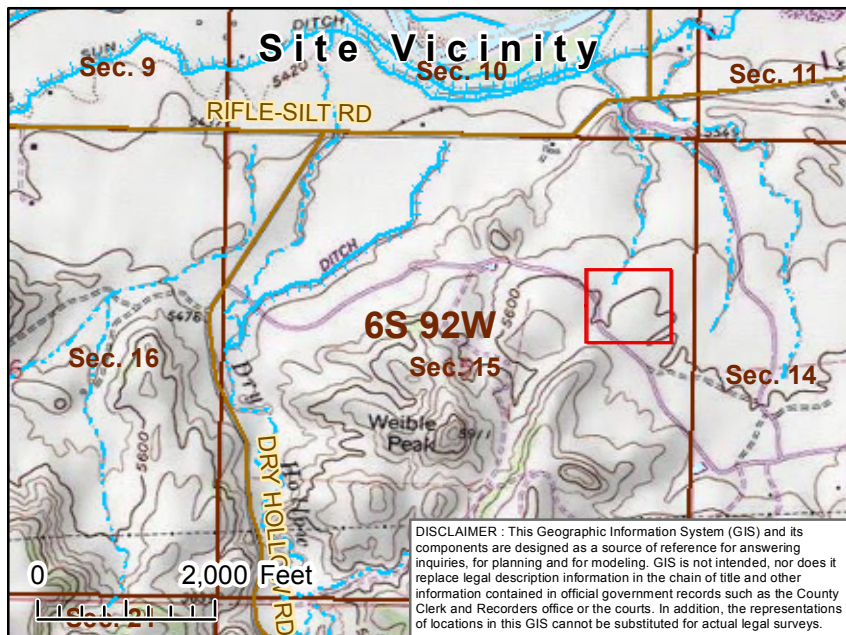
ANALYTICAL QC SUMMARY REPORT

BatchID: 16834

Sample ID: MB-16834	SampleType: MBLK	TestCode: TEH_S	Run ID: FID6_080929A	Prep Date: 9/29/08	Units: mg/Kg
Batch ID: 16834	TestNo: SW8015B Mo	FileID: FID609291053R	Analysis Date: 9/29/08	SeqNo: 746918	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Diesel Fuel (No. 2)	U	14			
Surr: TBB	40.59	0	66.67	0	60.9 39 130 0 0
Sample ID: LCS-16834	SampleType: LCS	TestCode: TEH_S	Run ID: FID6_080929A	Prep Date: 9/29/08	Units: mg/Kg
Batch ID: 16834	TestNo: SW8015B Mo	FileID: FID609291054R	Analysis Date: 9/29/08	SeqNo: 746919	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Diesel Fuel (No. 2)	568.6	14	666.7	0	85.3 70 130 0 0
Surr: TBB	43.05	0	66.67	0	64.6 42 130 0 0
Sample ID: 08-7334-01BMS	SampleType: MS	TestCode: TEH_S	Run ID: FID6_080929A	Prep Date: 9/29/08	Units: mg/Kg
Batch ID: 16834	TestNo: SW8015B Mo	FileID: FID609291056R	Analysis Date: 9/29/08	SeqNo: 746921	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Diesel Fuel (No. 2)	541.2	14	666.4	0	81.2 70 130 0 0
Surr: TBB	36.06	0	66.64	0	54.1 39 130 0 0
Sample ID: 08-7334-01BMSD	SampleType: MSD	TestCode: TEH_S	Run ID: FID6_080929A	Prep Date: 9/29/08	Units: mg/Kg
Batch ID: 16834	TestNo: SW8015B Mo	FileID: FID609291057R	Analysis Date: 9/29/08	SeqNo: 746922	
Analyte	Result	LQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Diesel Fuel (No. 2)	587.7	14	663.4	0	88.6 70 130 541.2 8.25 30
Surr: TBB	38.08	0	66.34	0	57.4 39 130 0 0

Qualifiers:

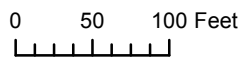
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Attachment A--Spill Location Map
Location: Valley Farms E
Antero Resources Piceance Corp.

Legend

- | | |
|-----------------|------------------------------|
| ● Sample Point | Hydrographic Features |
| ▨ Affected Area | — Perennial Stream |
| ● Gas Well Head | - - - Intermittent Stream |
| PLSS | - - - Ditch/Canal |
| ▭ Township | |
| ▭ Section | |
| — Highways | |
| — Public Roads | |



PRIOR HISTORY



Form 19 # 1942269

Page 1

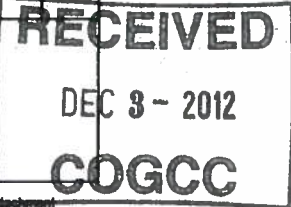
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FORM
4
Rev 12/05

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax: (303)894-2109



SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)

1. OGCC Operator Number: 10079	4. Contact Name: Cole Kilstrom	Complete the Attachment Checklist
2. Name of Operator: Antero Resources Piceance Corporation	Phone: 303-357-6709	
3. Address: 1625 17th St STE 300 ATTN: Cole Kilstrom	Fax: 303-357-7315	OP OGCC
City: Denver State: CO Zip: 80202		
5. API Number: 05-045-13231	OGCC Facility ID Number: 288403	Survey Plat
6. Well/Facility Name: Valley Farms E Pad	7. Well/Facility Number: E1	Directional Survey
8. Location (Qtr/Sec, Twp, Rng, Meridian): SENE 15 6S 92W 6		Surface Expt Diagram
9. County: Garfield	10. Field Name: Mamm Creek	Technical Info Page
11. Federal, Indian or State Lease Number:		Other

General Notice

<input type="checkbox"/> CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qr is substantive and requires a new permit)											
Change of Surface Footage from Exterior Section Lines:	<table border="1"> <tr> <td>RL/FL</td> <td>FL/FL</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	RL/FL	FL/FL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RL/FL	FL/FL										
<input type="checkbox"/>	<input type="checkbox"/>										
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<input type="checkbox"/>	<input type="checkbox"/>										
<input type="checkbox"/>	<input type="checkbox"/>										
Change of Surface Footage to Exterior Section Lines:	<input type="checkbox"/>										
Change of Bottomhole Footage from Exterior Section Lines:	<input type="checkbox"/>										
Change of Bottomhole Footage to Exterior Section Lines:	<input type="checkbox"/> attach directional survey										
Bottomhole location Qtr/Sec, Twp, Rng, Mer											
Latitude	Distance to nearest property line										
Longitude	Distance to nearest bldg, public rd, utility or RR										
Ground Elevation	Distance to nearest lease line										
	Is location in a High Density Area (rule 603b)? Yes/No										
	Distance to nearest well same formation										
	Surface owner consultation date:										
GPS DATA:											
Date of Measurement	PDOP Reading										
	Instrument Operator's Name										
<input type="checkbox"/> CHANGE SPACING UNIT	<input type="checkbox"/> Remove from surface bond										
Formation	Signed surface use agreement attached										
Formation Code											
Spacing order number											
Unit Acreage											
Unit configuration											
<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling):	<input type="checkbox"/> CHANGE WELL NAME										
Effective Date:	From:										
Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	To:										
	Effective Date:										
<input type="checkbox"/> ABANDONED LOCATION:	<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS										
Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No	Date well shut in or temporarily abandoned:										
Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No	Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No										
Date Ready for inspection:	MIT required if shut in longer than two years. Date of last MIT										
<input type="checkbox"/> SPUD DATE:	<input type="checkbox"/> REQUEST FOR CONFIDENTIAL STATUS (if new from date casing set)										
<input type="checkbox"/> SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK											
Method used	*submit cbl and cement job summaries										
Cementing tool setting/perf depth											
Cement volume											
Cement top											
Cement bottom											
Date											
<input type="checkbox"/> RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.											
Final reclamation will commence on approximately											
<input type="checkbox"/> Final reclamation is completed and site is ready for inspection.											

Technical Engineering/Environmental Notice

<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Report of Work Done
Approximate Start Date:	Date Work Completed:
Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)	
<input type="checkbox"/> Intent to Recomplete (submit form 2)	<input type="checkbox"/> Request to Vent or Flare
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested
<input type="checkbox"/> Casing/Cementing Program Change	<input type="checkbox"/> Other:
	<input type="checkbox"/> EAP Waste Disposal
	<input type="checkbox"/> Beneficial Reuse of EAP Waste
	<input checked="" type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: Cole Kilstrom
Print Name: Cole Kilstrom

Date: 11/24/12 Email: CKilstrom@anteroresources.com
Title: ENV Specialist

COGCC Approved: [Signature]Title: Env. Sup.Date: 12/18/12

CONDITIONS OF APPROVAL, IF ANY:

See attached COA's

one



Page 2

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

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COGCC

1. OGCC Operator Number: 10079 API Number: 05-045-13231
2. Name of Operator: Antero Resources Piceance Corp. OGCC Facility ID #: 288403
3. Well/Facility Name: Valley Farms E Pad Well/Facility Number: E1
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): SENE 15 6S 92W 6

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. DESCRIBE PROPOSED OR COMPLETED OPERATIONS

Summary of Corrective Actions and Request for Spill Report Closure:

On September 8, 2008, during frac tank transfer operations, a tank overflowed spilling produced water with some condensate present as well. Antero immediately halted fluid transfers to the overflowing tank. While the spill was contained on the pad due to the stormwater controls already in place, much of the fluid was not recoverable because it ran behind and underneath the tank battery.

COGCC Form 19 Spill Report # 1942269 stated that Antero would commence remediation once the frac tanks were removed from the location. The impacted area was to be remediated to COGCC standards for sensitive areas and the soil was to be stockpiled and then profiled for disposal at the West Garfield County Landfill.

Antero's began remediation of the pad on September 14, 2008. The impacted soils were temporarily stockpiled on the pad, before being sent to the West Garfield County Landfill in increments between October 10, 2008 and November 24, 2008. All contaminated soil has been removed from the pad.

Because Antero has remediated the site and removed all contaminated soils, Antero respectfully requests final COGCC closure of Spill Report # 1942269 in accordance with COGCC Rule 909(e).

This spill has not been closed.

See Attached Condition of Approval.

AP 12/18/12

CONDITIONS OF APPROVAL

Antero Resources Piceance Corporation

Location ID 335542; Spill Tracking No. 1942269

Valley Farms E Pad E1; API 05-045-13231

SENE SEC 15, T6S, R92W

Garfield County, Colorado

done 12/18/12

Antero states that remediation began on September 14, 2008.

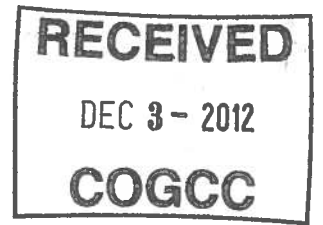
Provide information for determining aerial extent and vertical extent of impacted area and how this area characterized and delineated.

Provide locations and analytical data of confirmation sampling as it pertains to the remediation of this spill.

Provide locations and analytical data of background samples that were collected.

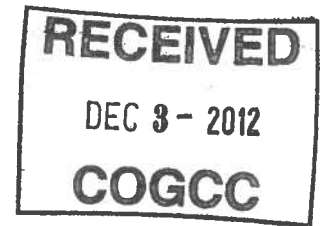
Provide volume of impacted material and haul tickets for the material being disposed of at the West Garfield County Landfill.

THIS SPILL HAS NOT BEEN CLOSED



PRIOR HISTORY

The electronic file for the original Form 19 is available on COGCC's database, but is in a file format that we could not view. Attached hereto is the COGIS view of the Form 19 from the COGCC database.



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COGCC

COGIS - Spill Reports

Form 19/19A

 Doc

Date Rec'd: 9/8/2008

Report taken by: BOB CHESSON

DocNum: 1942269

API number: 05-045 -13231

Facility ID: 288403

Operator Information

Operator: ANTERO RESOURCES PICEANCE CORPORATION Oper. No. 10079

Address: 1625 17TH ST STE 300 DENVER , CO 80202

Phone: (303)357-7341

Fax: (303)357-7315

Operator Contact:

Description of Spill:

Date of Incident: 9/8/2008

Type of Facility: WELL

Well Name/No. VALLEY FARMS E1

Fac. Name/No.

County Name: GARFIELD

qtrqtr: SENE section: 15 township: 6S range: 92W meridian: 6

Volumes spilled and recovered (bbls)

Oil spilled: 12

Recvrd: 0

Water spilled: 38

Recvrd: 0

Other spilled:

Recvrd:

GW Impact? N Surface water impact? N

Contained within berm? Y

Area and vertical extent of spill: - X -

Current land use: OPEN RANGE/ AGRICULTURE

Weather conditions: CLOUDY MILD SHOWERS

Soil/Geology description POTTS LOAM TO CLAYEY LOAM AT DEPTH

Distance in feet to nearest surface water: 3960

Depth to shallowest GW: 115

Wetlands:

Buildings: 1000

Livestock:

Water Wells: 4000

Cause of spill:

HUMAN ERROR

Immediate Response:

FLUIDS TRANSFERS TO THE H995 TANK WERE HALTED. THE ENTIRE SPILL WAS CONTAINED ON THE WELL PAD DUE TOO STORM WATER CONTOLS ALREADY IN PLACE . A MOJORITY OF THE SPILL RAN UNDERNEATH AND BEHIND THE FRAC TANK BATTERY ON THE PAD SO RECOVERY OF THE FLUIDS WAS NOT POSSIBLE.

Emergency Pits:

NONE

How extent determined:

FEILD MEASUREMENT, VISUAL

Further Remediation

REMEDIAION IS SLATED TO COMMENCE ONCE THE FRAC TANKS ARE REMOVED FROM THE LOCATION. THE IMPACTED AREA WILL BE REMEDIATED TO A LEVEL BELOW COGCC GUIDLINES FOR SENSITIVE AREAS. THE IMPACTED SOIL THAT IS REMEDIATED WILL BE STOCKPILED ON THE LOCATIONS IN A LINED BERMED CONTAINMENT AREA. THE SOIL WILL THEN BE PROFILED FOR DISPOSAL AT THE WEST GARFIELD COUNTY LANDFILL

Prevent Problem:

THE STANDARD OPERATING PROCEDURE (SOP) FOR FILLING FRAC TANKS WILL BE UPDATED AND WATER HANDLING PEOPLE WILL BE TRAINED ON THE REVISED SOP.

Detailed Description:**Other Notifications**

Date	Agency	Contact	Response
9/10/2008	COGCC	BOB CHESSON	VERBAL NOTIFICATION OF THE SPILL

Field Visit/Follow Up**Name****Phone****Date**

No Field Visit data found.

Wednesday, November 14, 2012

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COGIS - Spill Reports

Form 19/19A



Date Rec'd: 9/8/2008 Report taken by: BOB CHESSON
DocNum: 1942269 API number: 05-045 -13231 Facility ID: 288403

Operator Information

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Phone: (303)357-7341 Fax: (303)357-7315

Operator Contact:

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Type of Facility: WELL
Well Name/No. VALLEY FARMS E1 Fac. Name/No.
County Name: GARFIELD
qtrqtr: SENE section: 15 township: 6S range: 92W meridian: 6

Volumes spilled and recovered (bbls)

Oil spilled: 12 Recvrd: 0
Water spilled: 38 Recvrd: 0
Other spilled: Recvrd:
GW Impact? N Surface water impact? N Contained within berm? Y

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Livestock: Water Wells: 4000

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Emergency Pits:

NONE

How extent determined:

FEILD MEASUREMENT, VISUAL

Further Remediation

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Phone**Date**

Wednesday, November 14, 2012