

JUL 24 2009  
REC'D NMOCD DIST II

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

Form C-141  
Revised October 10, 2003

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

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

30-015-10259

Release Notification and Corrective Action

11 MCB092095248

OPERATOR

Initial Report

Final Report

Name of Company: Chesapeake Energy 147179	Contact: Bradley Blevins
Address: 1616 West Bender	Telephone No.: (575) 441- 0341
Facility Name: Littlefield Federal SWD	Facility Type: Tank Battery

Surface Owner: BLM	Mineral Owner:	API: 3001510259
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	11	24S	31E	660	FNL	1980	FEL	Eddy

Latitude: N 32° 14' 14.83" Longitude: W 103° 44' 46.89"

NATURE OF RELEASE

Type of Release: Oil and Water	Volume of Release: ~ 300 bbls	Volume Recovered: ~242 bbls
Source of Release: Equipment Failure	Date and Hour of Occurrence: 11 July, 2009	Date and Hour of Discovery: 11 July, 2009
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher, NMOCD; Jim Amos, BLM	
By Whom? Bradley Blevins	Date and Hour: 11 July 2009 @ 2:20 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: Not Applicable	

If a Watercourse was Impacted, Describe Fully.\* Not Applicable

Describe Cause of Problem and Remedial Action Taken.\* The release of approximately 300 barrels of oil inside the firewall was the result of equipment failure, with approximately 242 barrels were recovered from the site.

Describe Area Affected and Cleanup Action Taken.\* Visibly stained area outside firewall was excavated and hauled to state approved disposal facility, area inside firewall initially dug out to 1 foot bgs and sampled. To be discussed further with OCD upon receipt of sample analytical data.

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.

Signature: <i>Bradley Blevins</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Bradley Blevins	Approved By: <i>Mike Bratcher</i> Signed By: <i>Mike Bratcher</i> District Supervisor	
Title: EH & S	Approval Date: JUL 28 2009	Expiration Date:
E-mail Address: bblevins@chkenrgy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7.14.09 Phone: (575) 441- 0341		

\* Attach Additional Sheets If Necessary

REMEDATION per OCD Rules and  
Guidelines. SUBMIT REMEDIATION  
PROPOSAL BY: 8/28/09

2RP-325

  
**Chesapeake**  
 Information and Metrics

<b>Incident Date</b> 11 July 2009	<b>NMOCD Notified:</b> 11 July 2009
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<b>Site:</b> Littlefield SWD		<b>Assigned Site Reference :</b> #160957	
<b>Company:</b> Chesapeake Energy			
<b>Street Address:</b> 1616 West Bender			
<b>Mailing Address:</b> P.O. Box 190			
<b>City, State, Zip:</b> Hobbs, New Mexico 88240			
<b>Representative:</b> Bradley Blevins			
<b>Representative Telephone:</b> (575) 441 - 0341			
<b>Telephone:</b>			
<b>Fluid volume released (bbls):</b> 300-bbls		<b>Recovered (bbls):</b> 242-bbls	
>25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas)			
5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)			
<b>Leak, Spill, or Pit (LSP) Name:</b> Littlefield SWD			
<b>Source of contamination:</b> Oil and water			
<b>Land Owner, i.e., BLM, ST, Fee, Other:</b> BLM			
<b>LSP Dimensions:</b>			
<b>LSP Area:</b> Release Area ~10,500 sq. ft. inside firewall; ~2,600 sq. ft. outside firewall			
<b>Location of Reference Point (RP):</b>			
<b>Location distance and direction from RP:</b>			
<b>Latitude:</b> N 32° 14' 14.83"			
<b>Longitude:</b> W 103° 44' 46.89"			
<b>Elevation above mean sea level:</b> 3,514 feet			
<b>Feet from East Section Line:</b> 1980'			
<b>Feet from North Section Line:</b> 660'			
<b>Location- Unit or ¼:</b> NW ¼ of the NE ¼		<b>Unit Letter:</b> B	
<b>Location- Section:</b> 11			
<b>Location- Township:</b> T24S			
<b>Location- Range:</b> R31E			
<b>Surface water body within 1000' radius of site:</b> none			
<b>Domestic water wells within 1000' radius of site:</b> none			
<b>Agricultural water wells within 1000' radius of site:</b> none			
<b>Public water supply wells within 1000' radius of site:</b> none			
<b>Depth from land surface to groundwater (DG):</b> ~375 feet			
<b>Depth of contamination (DC):</b> ~15'			
<b>Depth to groundwater (DG – DC = DtGW):</b> ~360 feet			
<b>1. Groundwater</b>		<b>2. Wellhead Protection Area</b>	<b>3. Distance to Surface Water Body</b>
If Depth to GW <50 feet: <i>20 points</i>		If <1000' from water source, or; <200' from private domestic water source: <i>20 points</i>	<200 horizontal feet: <i>20 points</i>
If Depth to GW 50 to 99 feet: <i>10 points</i>		If >1000' from water source, or; >200' from private domestic water source: <i>0 points</i>	200-1000 horizontal feet: <i>10 points</i>
If Depth to GW >100 feet: <i>0 points</i>			>1000 horizontal feet: <i>0 points</i>
<b>Site Rank (1+2+3) = 0 + 0 + 0 = 0</b>			
<b>Total Site Ranking Score and Acceptable Concentrations</b>			
Parameter	>19	10-19	0-9
Benzene <sup>1</sup>	10 ppm	10 ppm	<b>10 ppm</b>
BTEX <sup>1</sup>	50 ppm	50 ppm	<b>50 ppm</b>
TPH	100 ppm	1,000 ppm	<b>5,000 ppm</b>

<sup>1</sup>100 ppm field VOC headspace measurement may be substituted for lab analysis

**Bratcher, Mike, EMNRD**

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**From:** Daniel Dominguez [ddominguez@envplus.net]  
**Sent:** Friday, July 24, 2009 1:35 PM  
**To:** Bratcher, Mike, EMNRD  
**Subject:** Chesapeake Energy - Littlefield SWD Site Ranking and signed Initial C-141  
**Attachments:** signed initial c-141 PDF

Mike-

Attached in PDF is the signed initial C-141 with Information and Metrics Form for the Littlefield SWD. If you have any questions please call or email.

Sincerely,  
ENVIRONMENTAL PLUS, INC.

Daniel Dominguez  
Environmental Consultant

Environmental Plus, Inc.  
P.O. Box 1558  
2100 Avenue 'O'  
Eunice, NM 88231

(575) 394-3481  
(575) 394-2601 (fax)

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This inbound email has been scanned by the MessageLabs Email Security System.

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# ARDINAL LABORATORIES

JUL 28 2009

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

ANALYTICAL RESULTS FOR  
ENVIRONMENTAL PLUS, INC.  
ATTN: DANIEL DOMINGUEZ  
P.O. BOX 1558  
EUNICE, NM 88231  
FAX TO: (575) 394-2601

Receiving Date: 07/13/09

Reporting Date: 07/16/09

Project Owner: CHESAPEAKE ENERGY (160957)

Project Name: LITTLEFIELD FEDERAL SWD

Project Location: UL-B, SECT.11, T24S, R31E

Sampling Date: 07/13/09

Sample Type: SOIL

Sample Condition: COOL & INTACT @ 6°C

Sample Received By: ML

Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE		07/13/09	07/13/09	07/14/09
H17801-1	ST1-SURFACE	<10.0	<10.0	10,200
H17801-2	ST1-4'	<10.0	<10.0	192
H17801-3	ST1-10'	<10.0	<10.0	320
H17801-4	ST2-2'	<10.0	<10.0	32
H17801-5	ST2-4'	<10.0	<10.0	<16
H17801-6	ST2-8'	<10.0	<10.0	256
H17801-7	ST3-SURFACE	<10.0	19.1	3,600
H17801-8	ST3-2'	357	4,550	672
H17801-9	ST3-4'	1,130	9,020	288
H17801-10	ST3-6'	2,100	8,160	46,000
Quality Control		588	592	490
True Value QC		500	500	500
% Recovery		118	118	98.0
Relative Percent Difference		6.4	5.6	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl\*: Std. Methods 4500-Cl\*B

\*Analyses performed on 1:4 w:v aqueous extracts. Reported on wet weight.

Second surrogate recovery for H17801-2 and 7 were outside historical limits due to matrix interference.

Chemist

Date

07/17/09

H17801 TCL EPI

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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P.O. BOX 1558  
EUNICE, NM 88231  
FAX TO: (575) 394-2601

Receiving Date: 07/17/09  
Reporting Date: 07/17/09  
Project Owner: CHESAPEAKE ENERGY (160957)  
Project Name: LITTLEFIELD FEDERAL SWD  
Project Location: UL-B, SEC. 11, T24S, R31E

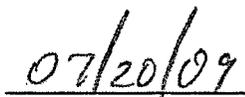
Analysis Date: 07/17/09  
Sampling Date: 07/17/09  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ 6°C  
Sample Received By: ML  
Analyzed By: AB

LAB NUMBER	SAMPLE ID	Cl <sup>-</sup> (mg/kg)
H17836-1	SP1-6'	96
H17836-2	SP1-7'	48
H17836-3	SP1-8'	48
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		2.0

METHOD: Standard Methods 4500-ClB

Note: Analyses performed on 1:4 w:v aqueous extracts.

  
Chemist

  
Date

H17836 EPI

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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Project Owner: CHESAPEAKE ENERGY (160957)

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Project Location: UL-B SEC. 11, T24S, R31E

Sampling Date: 07/17/09

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Sample Condition: COOL & INTACT @ 6°C

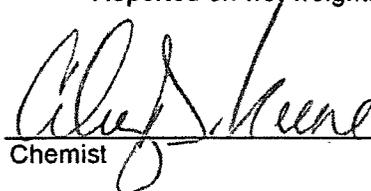
Sample Received By: ML

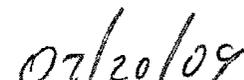
Analyzed By: AB

LAB NUMBER SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)
ANALYSIS DATE	07/18/09	07/18/09
H17836-1 SP1-6'	<10.0	<10.0
Quality Control	503	582
True Value QC	500	500
% Recovery	101	116
Relative Percent Difference	17.7	8.4

METHODS: TPH GRO & DRO: EPA SW-846 8015 M

Reported on wet weight.

  
Chemist

  
Date

H17836 T EPI

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JUL 28 2009



Information and Metrics

<b>Incident Date</b> 11 July 2009	<b>NMOCD Notified:</b> 11 July 2009
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<b>Site:</b> Littlefield SWD		<b>Assigned Site Reference :</b> #160957	
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<b>City, State, Zip:</b> Hobbs, New Mexico 88240			
<b>Representative:</b> Bradley Blevins			
<b>Representative Telephone:</b> (575) 441 - 0341			
<b>Telephone:</b>			
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<b>LSP Dimensions:</b>			
<b>LSP Area:</b> Release Area ~10,500 sq. ft. inside firewall; ~2,600 sq. ft. outside firewall			
<b>Location of Reference Point (RP):</b>			
<b>Location distance and direction from RP:</b>			
<b>Latitude:</b> N 32° 14' 14.83"			
<b>Longitude:</b> W 103° 44' 46.89"			
<b>Elevation above mean sea level:</b> 3,514 feet			
<b>Feet from East Section Line:</b> 1980'			
<b>Feet from North Section Line:</b> 660'			
<b>Location- Unit or ¼:¼:</b> NW ¼ of the NE ¼		<b>Unit Letter:</b> B	
<b>Location- Section:</b> 11			
<b>Location- Township:</b> T24S			
<b>Location- Range:</b> R31E			
<b>Surface water body within 1000' radius of site:</b> none			
<b>Domestic water wells within 1000' radius of site:</b> none			
<b>Agricultural water wells within 1000' radius of site:</b> none			
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<b>Depth from land surface to groundwater (DG):</b> ~375 feet			
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<b>Depth to groundwater (DG - DC = DtGW):</b> ~360 feet			
<b>1. Groundwater</b>		<b>2. Wellhead Protection Area</b>	
If Depth to GW <50 feet: <i>20 points</i>		If <1000' from water source, or; <200' from private domestic water source: <i>20 points</i>	
If Depth to GW 50 to 99 feet: <i>10 points</i>			
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		200-1000 horizontal feet: <i>10 points</i>	
		>1000 horizontal feet: <i>0 points</i>	
<b>Site Rank (1+2+3) = 0 + 0 + 0 = 0</b>			
<b>Total Site Ranking Score and Acceptable Concentrations</b>			
Parameter	>19	10-19	0-9
Benzene <sup>1</sup>	10 ppm	10 ppm	10 ppm
BTEX <sup>1</sup>	50 ppm	50 ppm	50 ppm
TPH	100 ppm	1,000 ppm	5,000 ppm

<sup>1</sup>100 ppm field VOC headspace measurement may be substituted for lab analysis