

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

FEB 26 2008  
OCD-ARTESIA

Form C-141  
Revised October 10, 2003

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

148111

Release Notification and Corrective Action

NSEB0806045593

OPERATOR

Initial Report  Final Report

Name of Company: Southwestern Energy Production Co.	Contact: Bruce Drummond
Address: 2350 N. Sam Houston Pkwy East, Suite 125	Telephone No. 575-393-1850
Facility Name: No Bluff Glorieta Central Facility	Facility Type: Tank Battery for Produced Water
Surface Owner: State of New Mexico	Mineral Owner: State of New Mexico
Lease No. 30-015-033792	

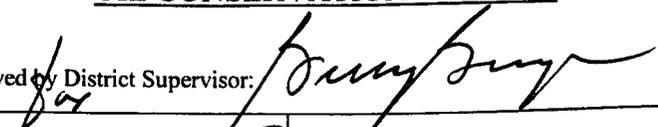
LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	36	17 South	27 East					Eddy

Latitude 32.79586 Longitude 104.2376

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 5544 Gallons	Volume Recovered: 4200 Gallons
Source of Release: Tank Battery	Date and Hour of Occurrence 12-18-2007 0900 hrs	Date and Hour of Discovery 12-18-2007 1600 hrs
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jerry Guy	
By Whom? Bruce Drummond	Date and Hour 12-19-07 0800 hrs	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* Contract Pumper Negligence. Lease salt water transfer pump had been shut in for repairs & produced water was being trucked from facility. Contract relief pumper arrived on location @ approx 0700 hrs, found lease had been shut in by safety system. He reset safety system and returned lease to production without gauging tanks. Production was shut in, called out vacuum truck. Informed relief pumper of importance of safety systems and following policy.		
Describe Area Affected and Cleanup Action Taken.* Pumper returned to Lease @ 1600 hrs and found 500 BBL produced water tank overflowing into containment dyke. Vacuum truck recovered 100 bbls of fluid from inside the dyke and hauled to disposal. Estimated non recovered fluid @ 32 bbls, area of impacted soil inside containment dyke was 25' X 45' with a Maximum penetration of 4". 64 yards of impacted soil was properly disposed. Soil samples were taken for lab analysis. New soil was hauled in and new soil samples were taken for analytical. Lab results showed chloride levels below detectable limits.		
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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: David Pickard	Approved by District Supervisor: 	
Title: HS&E Manager	Approval Date: 2-27-08	Expiration Date:
E-mail Address: david_pickard@swn.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2/22/2008	Phone: 281-618-4054	

\* Attach Additional Sheets If Necessary

2RP-138



**Southwestern Energy  
Production Company**

A subsidiary of Southwestern Energy Company

2350 N. Sam Houston Parkway East  
Suite 300  
Houston, Texas 77032  
(281) 618-4700 FAX: (281) 618-4757



February 22, 2008

FEB 26 2008  
OCD-ARTESIA

State of New Mexico Energy Minerals and Natural Resources  
District II  
1301 W. Grand Ave.  
Artesia, NM 88210

**RE: C-141 Form and lab results submittal for Produced Water Spill at No Bluff  
Glorieta Central Facility**

To Whom It May Concern:

Per the Rule 116 requirements you will find a Final C-141 report on the produced water spill that occurred at the Southwestern Energy No Bluff Glorieta Central Facility On December 19<sup>th</sup>, 2007. Also enclosed are the lab results showing clean-up to below detectable levels.

If you have any questions or require additional information, please contact me at (281) 618-4054.

Regards,

David Pickard, CSP  
HS&E Manager

FEB 26 2008  
 OCD-ARTESIA

## Summary Report

Bruce Drummond  
 Southwestern Energy Production  
 816 E. Green Acres  
 Hobbs, NM, 88220

Report Date: January 11, 2008

Work Order: 8010903



Project Location: Eddy County, NM  
 Project Name: No Bluff Glorietta Central Btry

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
147222	2' West comp-spl	soil	2007-12-20	13:30	2008-01-08
147223	1' Center comp-spl	soil	2007-12-20	14:00	2008-01-08

**Sample: 147222 - 2' West comp-spl**

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

**Sample: 147223 - 1' Center comp-spl**

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298  
 200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944  
 5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313  
 8808 Camp Bowie Blvd. West, Suite 180 Ft. Worth, Texas 76116 817•201•5260 FAX 817•560•4336  
 E-Mail: lab@traceanalysis.com

## Analytical and Quality Control Report

Bruce Drummond  
 Southwestern Energy Production  
 816 E. Green Acres  
 Hobbs, NM, 88220

Report Date: January 11, 2008

Work Order: 8010903



Project Location: Eddy County, NM  
 Project Name: No Bluff Glorietta Central Btry  
 Project Number: No Bluff Glorietta Central Btry

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
147222	2' West comp-spl	soil	2007-12-20	13:30	2008-01-08
147223	1' Center comp-spl	soil	2007-12-20	14:00	2008-01-08

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 4 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

**Standard Flags**

**B** - The sample contains less than ten times the concentration found in the method blank.

## Case Narrative

Samples for project No Bluff Glorietta Central Btry were received by TraceAnalysis, Inc. on 2008-01-08 and assigned to work order 8010903. Samples for work order 8010903 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

<u>Test</u>	<u>Method</u>
Chloride (Titration)	SM 4500-Cl B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 8010903 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

## Analytical Report

**Sample: 147222 - 2' West comp-spl**

Analysis: Chloride (Titration)	Analytical Method: SM 4500-Cl B	Prep Method: N/A
QC Batch: 44557	Date Analyzed: 2008-01-10	Analyzed By: AR
Prep Batch: 38373	Sample Preparation:	Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<100	mg/Kg	50	2.00

**Sample: 147223 - 1' Center comp-spl**

Analysis: Chloride (Titration)	Analytical Method: SM 4500-Cl B	Prep Method: N/A
QC Batch: 44557	Date Analyzed: 2008-01-10	Analyzed By: AR
Prep Batch: 38373	Sample Preparation:	Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<100	mg/Kg	50	2.00

**Method Blank (1)      QC Batch: 44557**

QC Batch: 44557	Date Analyzed: 2008-01-10	Analyzed By: AR
Prep Batch: 38373	QC Preparation: 2008-01-10	Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

**Laboratory Control Spike (LCS-1)**

QC Batch: 44557	Date Analyzed: 2008-01-10	Analyzed By: AR
Prep Batch: 38373	QC Preparation: 2008-01-10	Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	98.8	mg/Kg	1	100	<0.500	99	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	99.8	mg/Kg	1	100	<0.500	100	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

**Matrix Spike (MS-1)** Spiked Sample: 147232

QC Batch: 44557 Date Analyzed: 2008-01-10 Analyzed By: AR  
 Prep Batch: 38373 QC Preparation: 2008-01-10 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	4800	mg/Kg	50	5000	<25.0	96	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	4850	mg/Kg	50	5000	<25.0	97	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

**Standard (ICV-1)**

QC Batch: 44557 Date Analyzed: 2008-01-10 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.3	99	85 - 115	2008-01-10

**Standard (CCV-1)**

QC Batch: 44557 Date Analyzed: 2008-01-10 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2008-01-10



