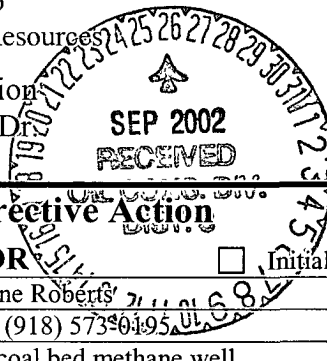


District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 March 17, 1999

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



**Release Notification and Corrective Action**

30 039 27013

OPERATOR ☐ Initial Report ☒ Final Report

Name of Company Williams Energy	Contact Roxanne Roberts
Address One Williams Center MD 26-5	Telephone No. (918) 573-0195
Facility Name Rosa 171B	Facility Type: coal bed methane well

Surface Owner USFS/BLM	Mineral Owner	Lease No.
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**LOCATION OF RELEASE**

Unit Letter	Section 6	Township 31 N	Range 5 W	Feet from the	North/South Line	Feet from the	East/West Line	County Rio Arriba
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**NATURE OF RELEASE**

Type of Release produced water from fruitland CBM well	Volume of Release: 290 barrels	Volume Recovered: 0 barrels
Source of Release check valve	Date and Hour of Occurrence 9/13/2002 @ 3:00 P.M.	Date and Hour of Discovery 9/13/2002 @ 3:00 P.M.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Denny Foust	
By Whom? Olivia Engle	Date and Hour: 9/13/2002 4:30 P.M. (within 24 hours)	
Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

THE WATER REACHED A DRY WASH APPROX 1/4 MILE FROM THE SITE. SEE ATTACHED TEST RESULTS FOR WATER ANALYSIS

Describe Cause of Problem and Remedial Action Taken.\*

A field truck backed into a 400 barrel fractionation tank. The impact caused damage to the valve and resulted in the release of water produced from a coal bed methane well. In order to control the spill, a portion of the tank's contents were removed by a vacuum truck before they could leave the tank. A back hoe was brought to the site to help contain the amount spilled.

Describe Area Affected and Cleanup Action Taken.\*

The area affected by this event include the land within the secondary containment as well as a small piece of land off-site from the location. The water that was not contained on-site, flowed down a rocky path for a quarter mile where it stopped and was absorbed in a dry wash. As the ground was wet from a recent rain event, it was not possible to determine either the exact amount that traveled off-site, or the exact boundaries of the area affected by this movement.

+++++

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: <u>Roxanne Roberts</u>		OIL CONSERVATION DIVISION	
Printed Name: Roxanne Roberts		Approved by <input type="checkbox"/> District Supervisor: <u>Denny Foust</u> for Frank Chavez	
Title: <u>EHS Coordinator</u>	Approval Date: <u>10/08/02</u>	Expiration Date:	
Date: <u>9/23/02</u> Phone: (918) 573-0195	Conditions of Approval:	Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

n DGF02260 28815



Telephone (435) 789-4327

## Water Analysis Report

Customer : Williams Production Company

Date Sampled : 16-May-02

Date Reported : 29-May-02

Date Received : 17-May-02

Address :

City :

State :

Postal Code :

Field : Farmington

Lease : Farmington

Location : Rosa #243

Sample Point : separator

Attention : Mark Lepich

cc1 : Lance Hobbs

cc2 : Garry Gomez

cc3 :

Salesman : Clay Bingham

Comments :

Analyst : Karen Hawkins Allen

### CATIONS

Calcium : 144 mg/l  
Magnesium : 156 mg/l  
Barium : mg/l  
Strontium : mg/l  
Iron : 5.0 mg/l  
Sodium : 3553 mg/l

### ANIONS

Chloride : 2,070 mg/l  
Carbonate : 0 mg/l  
Bicarbonate : 6,893 mg/l  
Sulfate : 155 mg/l

pH (field) : 8.00  
Temperature : 85 degrees F  
Ionic Strength : 0.17  
Resistivity : ohm/meters  
Ammonia : ppm

Specific Gravity : 1.005 grams/ml  
Total Dissolved Solids : 12,976 ppm  
CO2 in Water : 1 mg/l  
CO2 in Gas : 0.03 mole %  
H2S in Water : 4.0 mg/l  
Dissolved Oxygen : ppm

### SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI : 3.55  
Calcite (CaCO3) SI @ 100 F : 3.71  
Calcite (CaCO3) SI @ 120 F : 3.92  
Calcite (CaCO3) SI @ 140 F : 4.14  
Calcite (CaCO3) SI @ 160 F : 4.36  
Gypsum (CaSO4) SI : -2.17  
Barite (BaSO4) SI : N/A  
Celestite (SrSO4) SI : N/A

Calcite PTB : 125.9  
Calcite PTB @ 100 F : 125.9  
Calcite PTB @ 120 F : 125.9  
Calcite PTB @ 140 F : 125.9  
Calcite PTB @ 160 F : 125.9  
Gypsum PTB : N/A  
Barite PTB : N/A  
Celestite PTB : N/A

*Confidential*

Champion Technologies, Inc.

Vernal District Technical Services



Telephone (435) 789-4327

## Water Analysis Report

Customer : Williams Production Company

Date Sampled : 16-May-02

Date Reported : 29-May-02

Date Received : 17-May-02

Address :

City :

State :

Postal Code :

Field : Farmington

Lease : Farmington

Location : Rosa #279

Sample Point : separator

Attention : Mark Lepich

cc1 : Lance Hobbs

cc2 : Garry Gomez

cc3 :

Salesman : Clay Bingham

Comments :

Analyst : Karen Hawkins Allen

### CATIONS

Calcium : 128 mg/l  
Magnesium : 180 mg/l  
Barium : mg/l  
Strontium : mg/l  
Iron : 4.0 mg/l  
Sodium : 3142 mg/l

### ANIONS

Chloride : 2,150 mg/l  
Carbonate : 0 mg/l  
Bicarbonate : 5,795 mg/l  
Sulfate : 108 mg/l

pH (field) : 8.00  
Temperature : 85 degrees F  
Ionic Strength : 0.18  
Resistivity : ohm/meters  
Ammonia : ppm

Specific Gravity : 1.005 grams/ml  
Total Dissolved Solids : 11,507 ppm  
CO2 in Water : 1 mg/l  
CO2 in Gas : 0.03 mole %  
H2S in Water : 3.0 mg/l  
Dissolved Oxygen : ppm

### SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI : 3.38  
Calcite (CaCO3) SI @ 100 F : 3.53  
Calcite (CaCO3) SI @ 120 F : 3.74  
Calcite (CaCO3) SI @ 140 F : 3.96  
Calcite (CaCO3) SI @ 160 F : 4.19  
Gypsum (CaSO4) SI : -2.37  
Barite (BaSO4) SI : N/A  
Celestite (SrSO4) SI : N/A

Calcite PTB : 111.9  
Calcite PTB @ 100 F : 111.9  
Calcite PTB @ 120 F : 111.9  
Calcite PTB @ 140 F : 111.9  
Calcite PTB @ 160 F : 111.9  
Gypsum PTB : N/A  
Barite PTB : N/A  
Celestite PTB : N/A

**Confidential**

Champion Technologies, Inc.  
Vernal District Technical Services