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Rifle, CO 81650

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www.nobleenergyinc.com



November 18, 2010

Chris Canfield, P.G.  
Environmental Protection Specialist, Northwest Region  
Colorado Oil & Gas Conservation Commission  
707 Wapiti Court  
Suite 204  
Rifle, CO 81650

RE: South Grand Valley 8D Well Pad  
Form 4 Sundry Notice  
Sec. 8 T8S R95W  
Garfield County, Colorado

Dear Mr. Canfield:

Please review and approve the attached Form 4 Sundry Notice regarding burying cuttings on location.

Noble Energy would like to claim business confidentiality protection for the information submitted in this letter, the supporting materials attached and all previous and subsequent correspondence related to this matter.

If you require any additional information please contact me at 970.625.1494.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Brandon Danforth'.

Brandon Danforth  
Environmental Specialist

Attachments



TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number: <u>100322</u> API Number: <u>(multiple - see below)</u>
2. Name of Operator: <u>Noble Energy Inc.</u> OGCC Facility ID # <u>415673</u>
3. Well/Facility Name: <u>SGV 8D Pad</u> Well/Facility Number: _____
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): <u>NWNW 8 8S 95W 6 PM</u>

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**

Per footnote 1 in Table 910-1, which states that "Consideration shall be given to background concentration levels in native soils and ground water," Noble Energy, Inc., would like to request the application of this footnote to drill cuttings on the South Grand Valley 8D pad (location information listed above). Multiple wells are associated with these cuttings and are listed below with API numbers.

- SGV Federal 8-11D, API # 0504519134
- SGV Federal 8-11A, API # 0504519133
- SGV Federal 8-12A, API # 0504519135
- SGV Federal 8-12B, API # 0504519131
- SGV Federal 7-41C, API # 0504519141
- SGV Federal 7-41B, API # 0504519130
- SGV Federal 7-41A, API # 0504519138
- SGV Federal 6-44D, API # 0504519136
- SGV Federal 6-44C, API # 0504519280
- SGV Federal 8-11B, API # 0504519129
- SGV Federal 8-11C, API # 0504519132

Concentrations of arsenic (As) in the drill cuttings (2.32 mg/kg) from this pad are higher than the Table 910-1 threshold (0.39 mg/kg), but are lower than the lowest background concentration (5.81 mg/kg (BG1)). The cuttings sample collected for analysis was a composite, collected from several points within the cuttings. The three background samples (BG1, BG2 and BG3) were grab samples, collected from several inches into the cut slopes on location. Attached is the laboratory report with the cuttings and background As concentrations. Based on the results, Noble Energy, Inc., would like to request COGCC approval for application of footnote 1 in regards to As for the burial of these cuttings on location.

11/16/2010

Noble Energy Inc.  
Brandon Danforth  
804 Grand Avenue  
Platteville CO 80651

Project Name- [REDACTED]

Project Number- N/A

Attached are your analytical results for [REDACTED] received by Origins Laboratory, Inc. October 19, 2010 2:00 pm. This project is associated with Origins project number X010151-02 .

The analytical results in the following report were analyzed under the guidelines of EPA Methods specified in SW-846. The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all,

Origins Laboratory, Inc.  
303.433.1322  
o-squad@oelabinc.com



Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Brandon Danforth  
Project Number: N/A  
Project: [REDACTED]

**CROSS REFERENCE REPORT**

Sample ID	Laboratory ID	Matrix	Sampled	Date Received
SGV 8D-Cut	X010151-02	Soil	10/18/2010 1:45:00PM	10/19/2010 14:00

Origins Laboratory, Inc.



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Noelle E Doyle,

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Brandon Danforth  
Project Number: N/A  
Project: [REDACTED]

**SGV 8D-Cut**

10/18/2010 1:45:00PM

Analyte	Result	Minimum Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**XENCO**

X010151-02 (Soil)

**Metals by SW6020**

Arsenic	2.32	0.207	0.642	mg/kg	1	828482	10/20/2010	10/21/2010	
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Origins Laboratory, Inc.



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Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Brandon Danforth  
Project Number: N/A  
Project: [REDACTED]

**Metals by SW6020 - Quality Control  
XENCO**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 828482 - SW3050B</b>										
<b>MS (394089-001 S)</b>		Source: 394089-001 S			Prepared: 10/20/2010 Analyzed: 10/21/2010					
Arsenic	20.9	0.464	mg/kg	23.2	2.42	80	75-125	0	30	
<b>MSD (394089-001 SD)</b>		Source: 394089-001 SD			Prepared: 10/20/2010 Analyzed: 10/21/2010					
Arsenic	22.6	0.464	mg/kg	23.2	2.42	87	75-125	8	30	
<b>BLANK (576525-1-BLK)</b>		Source: 576525-1-BLK			Prepared: 10/20/2010 Analyzed: 10/21/2010					
Arsenic	ND	0.4	mg/kg	20				0	30	

Origins Laboratory, Inc.



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Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Brandon Danforth  
Project Number: N/A  
Project: [REDACTED]

**Notes and Definitions**

- L Off-scale high. Actual value is known to be greater than value given.
- I Sample result was found between MDL and RL
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

Origins Laboratory, Inc.



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Noelle E Doyle,

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10/26/2010

Noble Energy Inc.  
Brandon Danforth  
804 Grand Avenue  
Platteville CO 80651

Project Name- [REDACTED]

Project Number- N/A

Attached are your analytical results for [REDACTED] received by Origins Laboratory, Inc. October 23, 2010 2:00 pm. This project is associated with Origins project number X010196-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods specified in SW-846. The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.  
303.433.1322  
o-squad@oelabinc.com



Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Brandon Danforth  
Project Number: N/A  
Project: [REDACTED]

**CROSS REFERENCE REPORT**

Sample ID	Laboratory ID	Matrix	Sampled	Date Received
SGV 8D BG1	X010196-01	Soil	10/22/2010 12:15:00PM	10/23/2010 14:00
SGV 8D BG2	X010196-02	Soil	10/22/2010 12:20:00PM	10/23/2010 14:00
SGV 8D BG3	X010196-03	Soil	10/22/2010 12:25:00PM	10/23/2010 14:00
[REDACTED]	X010196-04	Soil	10/22/2010 12:45:00PM	10/23/2010 14:00

Origins Laboratory, Inc.



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Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Brandon Danforth  
Project Number: N/A  
Project: [REDACTED]

**SGV 8D BG1**

10/22/2010 12:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**XENCO**

X010196-01 (Soil)

**Metals by SW6010B**

Arsenic	5.81	1.23	mg/kg	1	829017	10/25/2010	10/25/2010
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**Percent Moisture by AD2216A**

Percent Moisture	18.7	1	%	1	828946	10/25/2010	10/25/2010
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Origins Laboratory, Inc.



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Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Brandon Danforth  
Project Number: N/A  
Project: [REDACTED]

**SGV 8D BG2**

10/22/2010 12:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**XENCO**

X010196-02 (Soil)

**Metals by SW6010B**

Arsenic	10.8	1.14	mg/kg	1	829017	10/25/2010	10/25/2010
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**Percent Moisture by AD2216A**

Percent Moisture	12.1	1	%	1	828946	10/25/2010	10/25/2010
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Origins Laboratory, Inc.



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Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Brandon Danforth  
Project Number: N/A  
Project: [REDACTED]

**SGV 8D BG3**

10/22/2010 12:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**XENCO**

X010196-03 (Soil)

**Metals by SW6010B**

Arsenic	6.38	1.1	mg/kg	1	829017	10/25/2010	10/25/2010
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**Percent Moisture by AD2216A**

Percent Moisture	8.72	1	%	1	828946	10/25/2010	10/25/2010
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Origins Laboratory, Inc.



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Noelle E Doyle.

Noble Energy Inc.  
 804 Grand Avenue  
 Platteville CO 80651

Brandon Danforth  
 Project Number: N/A  
 Project: [REDACTED]

### Metals by SW6010B - Quality Control XENCO

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 829017 - SW3050B</b>										
<b>MS (393955-001 S)</b>		Source: 393955-001 S			Prepared: 10/25/2010 Analyzed: 10/26/2010					
Arsenic	102	1.09	mg/kg	109	+1.09	94	75-125	0	20	
<b>MSD (393955-001 SD)</b>		Source: 393955-001 SD			Prepared: 10/25/2010 Analyzed: 10/26/2010					
Arsenic	88	1.09	mg/kg	109	+1.09	81	75-125	15	20	
<b>LCS (576855-1-BKS)</b>		Source: 576855-1-BKS			Prepared: 10/25/2010 Analyzed: 10/25/2010					
Arsenic	88.3	1	mg/kg	100	+0.500	88	75-125	0	20	
<b>BLANK (576855-1-BLK)</b>		Source: 576855-1-BLK			Prepared: 10/25/2010 Analyzed: 10/25/2010					
Arsenic	ND	1	mg/kg	100				0	20	

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Noble Energy Inc.  
 804 Grand Avenue  
 Platteville CO 80651

Brandon Danforth  
 Project Number: N/A  
 Project: XXXXXXXXXX

**Percent Moisture by AD2216A - Quality Control  
 XENCO**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 828946 - NONE

**BLANK (828946-1-BLK)**

Source: 828946-1-BLK

Prepared: 10/25/2010 Analyzed: 10/25/2010

Percent Moisture	ND	1	%	0.00				0	20	
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