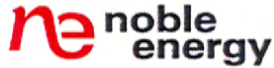


800 Airport Road
Suite 3
Rifle, CO 81650

Tel: 970.625.1494
Fax: 970.625.1654
www.nobleenergyinc.com



June 30, 2010

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

RE: SGV 35B Pad
Landfarm Closure Sundry
Sec.35 T7S R96W
Garfield County, Colorado

Dear Mr. Canfield:

Noble Energy Inc. (NEI) is submitting the attached sundry Form 4 as a notification to the COGCC of the closure of the landfarm on our SGV 35B well pad. The attached sundry provides details about the physical closure of the landfarm as well as confirmation soil sample results.

Also enclosed is a site map showing the location of the closed landfarm, a topographical map of the pad and surrounding area, and laboratory results for both the confirmation sample as well as background levels.

Based on the removal of the landfarm contents and the results of the confirmation soil sampling, NEI would like to request COGCC closure of the facility, requiring no further action.

Please do not hesitate to contact me at (970) 420-5184 if you have any questions or require additional information.

Sincerely,

A handwritten signature in blue ink, appearing to read 'BDanforth', with a long horizontal flourish extending to the right.

Brandon Danforth
Environmental Specialist

Attachments

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: <u>100322</u>	4. Contact Name <u>Brandon Danforth</u>	Complete the Attachment Checklist OP OGCC
2. Name of Operator: <u>Noble Energy Inc.</u>	Phone: <u>970-420-5184</u>	
3. Address: <u>800 Airport Road, Suite 3</u> City: <u>Rifle</u> State: <u>CO</u> Zip: <u>81650</u>	Fax: <u>970-625-1654</u>	
5. API Number <u>05- see attached</u>	OGCC Facility ID Number	Survey Plat
6. Well/Facility Name: <u>SGV 35B Pad</u>	7. Well/Facility Number	Directional Survey
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): <u>NWNE 35 7S 96W 6 PM</u>		Surface Eqpm Diagram
9. County: <u>Garfield</u>	10. Field Name:	Technical Info Page <input checked="" type="checkbox"/>
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/qtr is substantive and requires a new permit)																					
Change of Surface Footage from Exterior Section Lines:	<table border="1"><tr><td></td><td>FNL/FSL</td><td></td><td>FEL/FWL</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>Change of Surface Footage to Exterior Section Lines:</td><td></td><td></td><td></td></tr><tr><td>Change of Bottomhole Footage from Exterior Section Lines:</td><td></td><td></td><td></td></tr><tr><td>Change of Bottomhole Footage to Exterior Section Lines:</td><td></td><td></td><td></td></tr></table> attach directional survey		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:			
	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:																					
Bottomhole location Qtr/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 <input type="checkbox"/>																				
	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																					
Formation	Formation Code Spacing order number Unit Acreage Unit configuration																				
<input type="checkbox"/> Remove from surface bond																					
Signed surface use agreement attached																					
<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 (6 mos from date casing set)																				
<input type="checkbox"/> SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK																					
*submit cbl and cement job summaries																					
Method used	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 Final reclamation is completed and site is ready for inspection.																					

Technical Engineering/Environmental Notice

<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Report of Work Done	
Approximate Start Date:	Date Work Completed: <u>mid-February 2010</u>	
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"/> E&P Waste Disposal
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested	<input type="checkbox"/> Status Update/Change of Remediation Plans
<input type="checkbox"/> Casing/Cementing Program Change	<input checked="" type="checkbox"/> Other: <u>E&P Waste Treatment</u>	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: Brandon Danforth Date: 6-30-2010 Email: bdanforth@nobleenergyinc.com
Print Name: Brandon Danforth Title: Environmental Specialist

COGCC Approved: Title: Date:

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number:	100322	API Number:	see below
2. Name of Operator:	Noble Energy Inc.	OGCC Facility ID #	
3. Well/Facility Name:	SGV 35B Pad	Well/Facility Number:	
4. Location (QtrQtr, Sec, Twp, Rng, Meridian):	NWNE 35 7S 96W 6 PM		

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

Noble Energy Inc (NEI) constructed a small landfarm (10' W x 25' L x 2' D) on the SGV 35B well pad to treat filtered flowback sand from wells on location. The landfarm was completed in mid-February 2010 (see prior Sundry). The The API numbers for the wells on location that contributed to the landfarm are listed below:

- API 0504515149 - Parachute Ranch Federal 35-42A
- API 0504515591 - Parachute Ranch Federal 35-31B
- API 0504515592 - Parachute Ranch Federal 35-31A
- API 0504515593 - Parachute Ranch Federal 35-41A
- API 0504515153 - Parachute Ranch Federal 35-32A
- API 0504515154 - Parachute Ranch Federal 35-41C
- API 0504515145 - Parachute Ranch Federal 35-41B
- API 0504515151 - Parachute Ranch Federal 35-32C
- API 0504515146 - Parachute Ranch Federal 35-42B
- API 0504515148 - Parachute Ranch Federal 35-41D
- API 0504515150 - Parachute Ranch Federal 35-31D

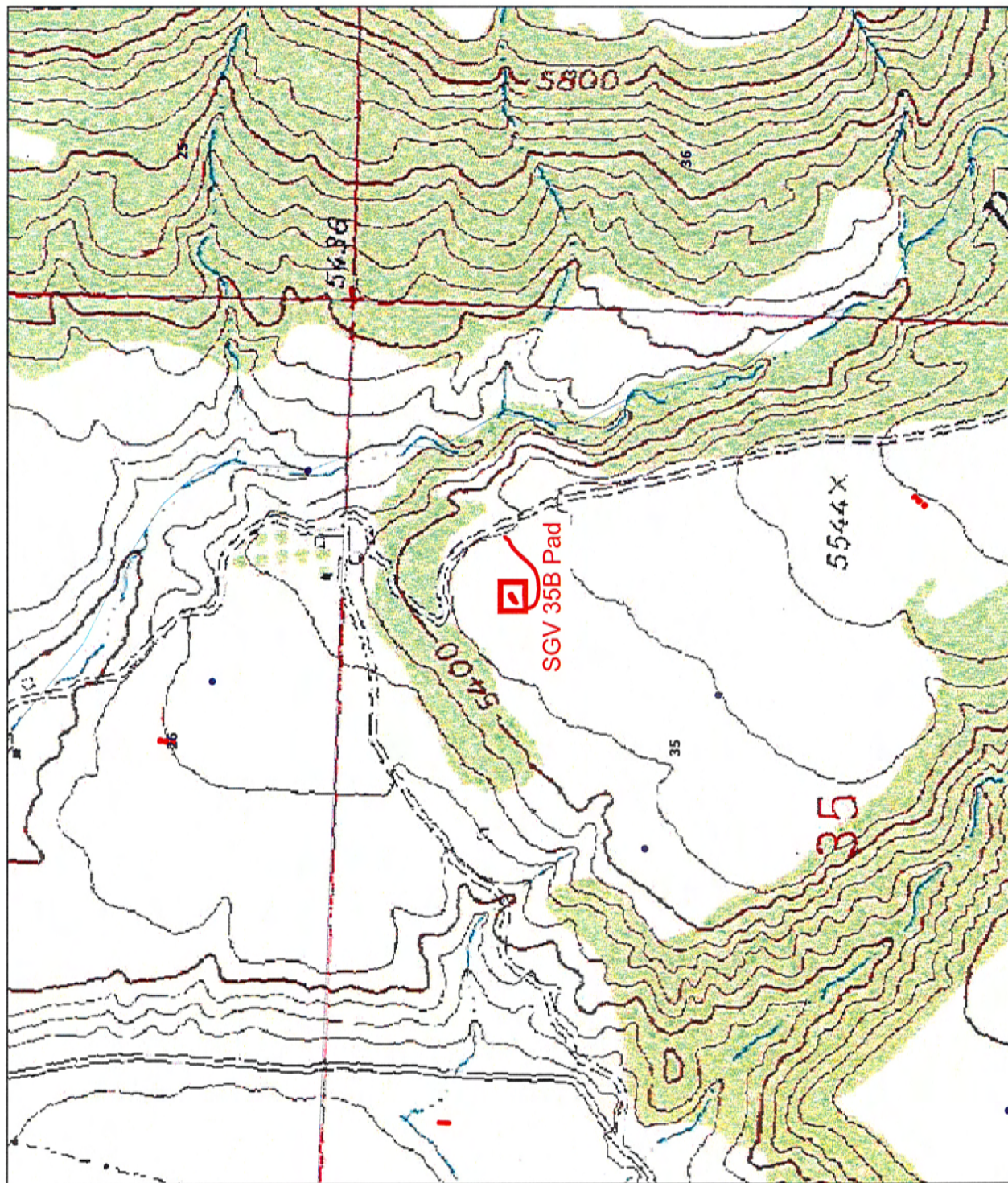
The initial plans were to turn the landfarm until its contents met Table 910-1 standards; however, it was later determined to dispose of the landfarm material at a local landfill (South Canyon Landfill). The contents of the landfarm were removed and brought to the landfill in mid-May 2010. The containment earthen berms were graded flat.

After the material was removed, confirmation soil samples were collected from the area beneath the landfarm and analyzed for all Table 910-1 soil analytes. Approximately six grab samples were collected at or near the surface, composited and analyzed. All results from the confirmation soil sample met Table 910-1 standards except for Arsenic (7.41 mg/kg), which was below the background level (18.6 mg/kg). Both the confirmation and background soil sample laboratory reports are attached.

NEI requests the application of T910-1 footnote 1 to this case in consideration of the naturally high background As value at this location. NEI also requests written COGCC closure of this landfarm.

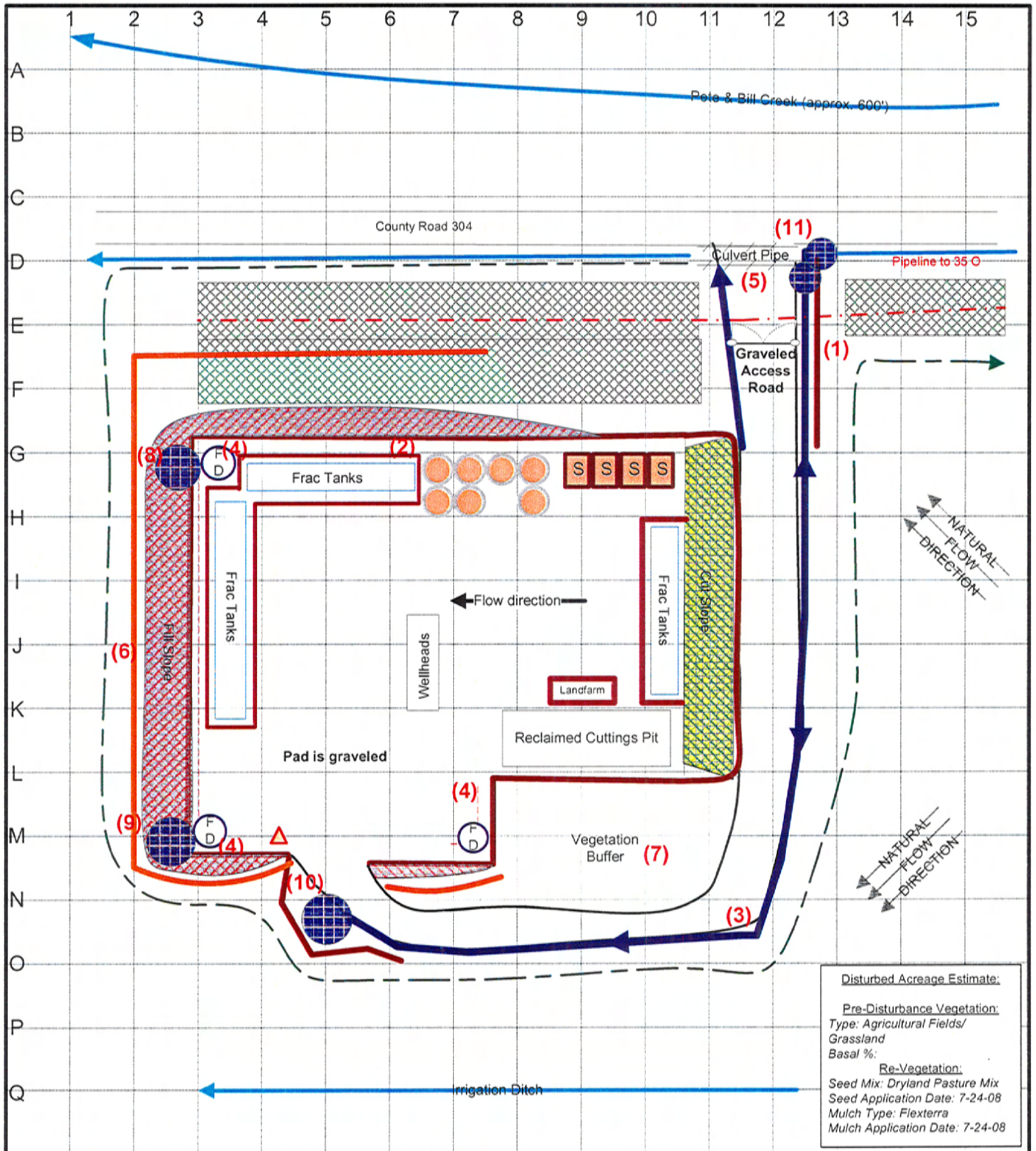
- Attachments:
- Site Map
 - Topo Map
 - Confirmation Laboratory Report
 - Background Laboratory Report

SGV 35B Pad



SCALE 1 : 9,195





Disturbed Acreage Estimate:

Pre-Disturbance Vegetation:
 Type: Agricultural Fields/
 Grassland
 Basal %:

Re-Vegetation:
 Seed Mix: Dryland Pasture Mix
 Seed Application Date: 7-24-08
 Mulch Type: Flexterra
 Mulch Application Date: 7-24-08

LEGEND	
	Earthen Berm
	Road Bar Ditch
	Straw Wattle
	Surface water flow/wash
	Disturbance area perimeter
	Culvert
	Seeded/Mulched
	French Drain
	Latrine
	Separator w/ Gravel Berm
	Tank, within lined steel containment 400bbl
	Armored Sediment Trap
	Pipeline ROW

SITE MAP
ND-00041
35 B Pad
Noble Energy INC.
Garfield County, Colorado

Not to Scale

SITE LEGAL LOCATION:
 SE NW SECTION 35, TOWNSHIP 8S, RANGE 96W

Revision Date: 3-17-2010

6/30/2010

Noble Energy, Inc. - Rifle
Brandon Danforth
800 Airport Road, Suite 3
Rifle CO 81650

Project Name- FS LF Closure

Project Number- [none]

Attached are your analytical results for FS LF Closure received by Origins Laboratory, Inc.
May 26, 2010 9:00 am. This project is associated with Origins project number X005169-01

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. - Rifle
800 Airport Road, Suite 3
Rifle CO 81650

Brandon Danforth
Project Number: [none]
Project: FS LF Closure

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Sampled	Date Received
35B-1	X005169-01	Soil	5/25/2010 1:25:00PM	05/26/2010 09:00
260-1	X005169-02	Soil	5/25/2010 1:45:00PM	05/26/2010 09:00

Origins Laboratory, Inc.



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.

Noelle E Doyle, Laboratory Manager

Noble Energy, Inc. - Rifle
800 Airport Road, Suite 3
Rifle CO 81650

Brandon Danforth
Project Number: [none]
Project: FS LF Closure

X6051009
page 1 of 1



originslaboratory.com

Client: Noble Energy
Address: 800 Airport Rd Ste 3
Rifle CO 81650
Telephone Number: 970-420-5184
E-Mail Address:

Project Manager: B. Danforth
Project Name: FS LF Closure
Project Number:
Samples Collected by: B. Danforth

Sample ID - Description	Date Sampled	Time Sampled	Preservative				Matrix	Analysis
			Unpreserved	HCl	HNO ₃	Other		
3SB-1	5-25-10	1325	X				Soil	All COGCC Table 910-1 soil analyses
260-1	"	1345	X				Soil	
							Air - Summa Canister #	
							Other	
							Number of Containers	
								Sample Instructions
								1
								2
								3
								4
								5
								6
								7
								8
								9
								10
Relinquished by	Date	Time	Received by	Date	Time	Temperature Upon Receipt		
B. Danforth	5-25-10	1700	FedEx	5-25-10	1700			
Relinquished by	Date	Time	Received by	Date	Time	Turn Around Time:		
FedEx	5-26-10	0900		5-26-10	0900	Same Day 24 hr		
						48 hr		
						72 hr		
						Standard		

4640 North Pennix Street | Unit C | Denver, Colorado 80211 | Laboratory - 303.433.1322 | Fax - 303.265.9645

Origins Laboratory, Inc.

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.

Noelle E Doyle, Laboratory Manager

Noble Energy, Inc. - Rifle
800 Airport Road, Suite 3
Rifle CO 81650

Brandon Danforth
Project Number: [none]
Project: FS LF Closure

35B-1

5/25/2010 1:25:00PM

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

Origins Laboratory, Inc.
X005169-01 (Soil)

BTEX by EPA 8260B

Benzene	ND	0.00041	0.00400	mg/kg	1	OE29001	05/29/2010	05/30/2010
Toluene	ND	0.00043	0.00400	"	"	"	"	"
Ethylbenzene	ND	0.00033	0.00400	"	"	"	"	"
o-Xylene	ND	0.00034	0.00400	"	"	"	"	"
m,p-Xylene	ND	0.00073	0.00800	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	95.6 %		77.6-134			"	"	"
Surrogate: Toluene-d8	102 %		81.4-121			"	"	"
Surrogate: 4-Bromofluorobenzene	103 %		74.7-123			"	"	"

Conductivity by E120.1

Conductivity	1580	1	2	US/CM	1	808806	06/01/2010	06/01/2010
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Metals by SW6010B

Silver	ND	0.171	2.28	mg/kg	1	809123	05/28/2010	06/03/2010
Sodium	1590	10	28.5	"	"	"	"	"
Selenium	ND	0.662	2.28	"	"	"	"	"
Nickel	13.4	0.354	1.14	"	"	"	"	"
Magnesium	13400	2.97	22.8	"	"	"	"	"
Copper	14.1	0.32	3.42	"	"	"	"	"

Origins Laboratory, Inc.



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.

Noelle E Doyle, Laboratory Manager

Noble Energy, Inc. - Rifle
800 Airport Road, Suite 3
Rifle CO 81650

Brandon Danforth
Project Number: [none]
Project: FS LF Closure

35B-1

5/25/2010 1:25:00PM

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

X005169-01 (Soil)

Metals by SW6010B

Chromium	9.4	0.354	0.571	mg/kg	1	809123	05/28/2010	06/03/2010	
Calcium	60000	9.7	22.8	"	"	"	"	"	V
Barium	308	0.331	3.42	"	"	"	"	"	
Cadmium	0.19	0.171	0.571	"	"	"	"	"	I
Zinc	38.6	2.05	5.71	"	"	"	"	"	
Lead	7.75	0.902	1.14	"	"	"	"	"	

Metals by SW6020

Arsenic	7.41	0.103	0.571	mg/kg	1	809224	06/01/2010	06/04/2010	
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Metals by SW7196

Chromium, Hexavalent	ND	0.057	4.57	mg/kg	10	809439	06/04/2010	06/04/2010	
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Metals by SW7471A

Mercury	0.0587	0.0043	0.0099	mg/kg	1	809049	05/28/2010	06/03/2010	V
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Percent Moisture by AD2216A

Percent Moisture	12.4	1	1	%	1	808473	05/27/2010	05/27/2010	
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pH by SW9045C

pH	8.08	0.001		SU	1	808810	06/01/2010	06/01/2010	
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Origins Laboratory, Inc.



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Noelle E Doyle, Laboratory Manager

Noble Energy, Inc. - Rifle
800 Airport Road, Suite 3
Rifle CO 81650

Brandon Danforth
Project Number: [none]
Project: FS LF Closure

35B-1

5/25/2010 1:25:00PM

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

XENCO

X005169-01 (Soil)

Polyaromatic Hydrocarbons (PaHs) by SW8270C

Chrysene	ND	0.026	0.114	mg/kg	1	808572	05/28/2010	05/28/2010	
Fluoranthene	ND	0.043	0.114	"	"	"	"	"	
Fluorene	0.029	0.026	0.114	"	"	"	"	"	I
Indeno(1,2,3-c,d)Pyrene	ND	0.039	0.114	"	"	"	"	"	
Dibenz(a,h)Anthracene	ND	0.031	0.075	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.038	0.114	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.023	0.114	"	"	"	"	"	
Benzo(a)anthracene	ND	0.032	0.114	"	"	"	"	"	
Naphthalene	0.024	0.024	0.114	"	"	"	"	"	I
Benzo(a)pyrene	ND	0.029	0.075	"	"	"	"	"	
Acenaphthene	0.047	0.025	0.114	"	"	"	"	"	I
Pyrene	ND	0.038	0.114	"	"	"	"	"	
Anthracene	ND	0.04	0.114	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	102 %	59-123	"	"	"
Surrogate: Nitrobenzene-d5	94 %	46-137	"	"	"
Surrogate: Terphenyl-D14	117 %	43-124	"	"	"

Sodium Absorption Ratio (SAR) by S29B08

Sodium absorption ratio	1.53	0.001	1	809396	06/06/2010	06/06/2010
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Origins Laboratory, Inc.



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Noelle E Doyle, Laboratory Manager

Noble Energy, Inc. - Rifle
800 Airport Road, Suite 3
Rifle CO 81650

Brandon Danforth
Project Number: [none]
Project: FS LF Closure

35B-1

5/25/2010 1:25:00PM

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

Origins Laboratory, Inc.
X005169-01 (Soil)

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	25.0	50.0	mg/kg	1	OE28002	05/28/2010	05/31/2010
Diesel (C10-C28)	80.4	25.0	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	100	200	"	"	"	"	"
TPH - Carbon Chain Total	80.4	25.0	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	91.5 %	65-140	"	"	"
------------------------	--------	--------	---	---	---

Origins Laboratory, Inc.



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.

Noelle E Doyle, Laboratory Manager

Noble Energy, Inc. - Rifle
800 Airport Road, Suite 3
Rifle CO 81650

Brandon Danforth
Project Number: [none]
Project: FS LF Closure

Extractable Petroleum Hydrocarbons by 8015M - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch OE28002 - Default Prep GC-Semi										
Blank (OE28002-BLK1)				Prepared: 05/28/2010 Analyzed: 05/31/2010						
Gasoline (C6-C10)	ND	50.0	mg/kg							
Diesel (C10-C28)	ND	50.0	"							
Residual Range Organics (C28-C36)	ND	200	"							
TPH - Carbon Chain Total	ND	50.0	"							
<i>Surrogate: o-Terphenyl</i>	<i>44.5</i>		<i>g</i>	<i>50.0</i>		<i>89.0</i>	<i>65-140</i>			
Blank (OE28002-BLK2)				Prepared: 05/28/2010 Analyzed: 05/31/2010						
Gasoline (C6-C10)	ND	50.0	mg/kg							
Diesel (C10-C28)	ND	50.0	"							
Residual Range Organics (C28-C36)	ND	200	"							
TPH - Carbon Chain Total	ND	50.0	"							
<i>Surrogate: o-Terphenyl</i>	<i>44.5</i>		<i>g</i>	<i>50.0</i>		<i>89.0</i>	<i>65-140</i>			
LCS (OE28002-BS1)				Prepared: 05/28/2010 Analyzed: 05/31/2010						
Gasoline (C6-C10)	115	50.0	mg/kg				65-140			
Diesel (C10-C28)	408	50.0	"	500		81.6	60-140			
<i>Surrogate: o-Terphenyl</i>	<i>46.8</i>		<i>g</i>	<i>50.0</i>		<i>93.6</i>	<i>65-140</i>			
LCS (OE28002-BS2)				Prepared: 05/28/2010 Analyzed: 05/31/2010						
Gasoline (C6-C10)	119	50.0	mg/kg				65-140			
Diesel (C10-C28)	426	50.0	"	500		85.2	60-140			
<i>Surrogate: o-Terphenyl</i>	<i>47.8</i>		<i>g</i>	<i>50.0</i>		<i>95.6</i>	<i>65-140</i>			
Matrix Spike (OE28002-MS1)		Source: X005144-01		Prepared: 05/28/2010 Analyzed: 05/31/2010						
Gasoline (C6-C10)	116	50.0	mg/kg		ND		65-130			
Diesel (C10-C28)	413	50.0	"	500	ND	82.6	60-140			
<i>Surrogate: o-Terphenyl</i>	<i>47.4</i>		<i>g</i>	<i>50.0</i>		<i>94.7</i>	<i>65-140</i>			

Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager

Noble Energy, Inc. - Rifle
800 Airport Road, Suite 3
Rifle CO 81650

Brandon Danforth
Project Number: [none]
Project: FS LF Closure

Extractable Petroleum Hydrocarbons by 8015M - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch OE28002 - Default Prep GC-Semi

Matrix Spike (OE28002-MS2)		Source: X005144-02			Prepared: 05/28/2010 Analyzed: 05/31/2010					
Gasoline (C6-C10)	114	50.0	mg/kg		ND		65-130			
Diesel (C10-C28)	411	50.0	"	500	ND	82.2	60-140			
Surrogate: o-Terphenyl	46.9		g	50.0		93.8	65-140			
Matrix Spike Dup (OE28002-MSD1)		Source: X005144-01			Prepared: 05/28/2010 Analyzed: 05/31/2010					
Gasoline (C6-C10)	114	50.0	mg/kg		ND		65-130	1.31	20	
Diesel (C10-C28)	408	50.0	"	500	ND	81.7	60-140	1.10	25	
Surrogate: o-Terphenyl	47.0		g	50.0		93.9	65-140			
Matrix Spike Dup (OE28002-MSD2)		Source: X005144-02			Prepared: 05/28/2010 Analyzed: 05/31/2010					
Gasoline (C6-C10)	117	50.0	mg/kg		ND		65-130	2.89	20	
Diesel (C10-C28)	413	50.0	"	500	ND	82.5	60-140	0.403	25	
Surrogate: o-Terphenyl	46.9		g	50.0		93.7	65-140			

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Noble Energy, Inc. - Rifle
800 Airport Road, Suite 3
Rifle CO 81650

Brandon Danforth
Project Number: [none]
Project: FS LF Closure

Volatile Organic Compounds by EPA Method 8260B - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch OE29001 - EPA 5030B

Blank (OE29001-BLK1)

Prepared: 05/29/2010 Analyzed: 05/29/2010

Benzene	ND	0.004	mg/kg
Toluene	ND	0.004	"
Ethylbenzene	ND	0.004	"
o-Xylene	ND	0.004	"
m,p-Xylene	ND	0.008	"

Surrogate: 1,2-Dichloroethane-d4	59.0	ug/L	62.5	94.4	77.6-134
Surrogate: Toluene-d8	63.5	"	62.5	102	81.4-121
Surrogate: 4-Bromofluorobenzene	66.1	"	62.5	106	74.7-123

Blank (OE29001-BLK2)

Prepared: 05/29/2010 Analyzed: 05/29/2010

Benzene	ND	0.004	mg/kg
Toluene	ND	0.004	"
Ethylbenzene	ND	0.004	"
o-Xylene	ND	0.004	"
m,p-Xylene	ND	0.008	"

Surrogate: 1,2-Dichloroethane-d4	59.4	ug/L	62.5	95.0	77.6-134
Surrogate: Toluene-d8	64.4	"	62.5	103	81.4-121
Surrogate: 4-Bromofluorobenzene	63.5	"	62.5	102	74.7-123

LCS (OE29001-BS1)

Prepared: 05/29/2010 Analyzed: 05/29/2010

Benzene	0.20	0.004	mg/kg	0.200	101	75.2-128
Toluene	0.20	0.004	"	0.200	99.9	76.3-130

Surrogate: 1,2-Dichloroethane-d4	58.0	ug/L	62.5	92.8	77.6-134
Surrogate: Toluene-d8	65.8	"	62.5	105	81.4-121
Surrogate: 4-Bromofluorobenzene	68.4	"	62.5	109	74.7-123

LCS (OE29001-BS2)

Prepared: 05/29/2010 Analyzed: 05/29/2010

Benzene	0.21	0.004	mg/kg	0.200	104	75.2-128
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800 Airport Road, Suite 3
Rifle CO 81650

Brandon Danforth
Project Number: [none]
Project: FS LF Closure

Volatile Organic Compounds by EPA Method 8260B - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch OE29001 - EPA 5030B										
LCS (OE29001-BS2)				Prepared: 05/29/2010 Analyzed: 05/29/2010						
Toluene	0.20	0.004	mg/kg	0.200		101	76.3-130			
Surrogate: 1,2-Dichloroethane-d4	59.2		ug/L	62.5		94.7	77.6-134			
Surrogate: Toluene-d8	66.0		"	62.5		106	81.4-121			
Surrogate: 4-Bromofluorobenzene	65.9		"	62.5		105	74.7-123			
Matrix Spike (OE29001-MS1)				Source: X005151-04		Prepared: 05/29/2010 Analyzed: 05/29/2010				
Benzene	0.17	0.004	mg/kg	0.200	ND	86.0	77.6-132			
Toluene	0.16	0.004	"	0.200	0.003	80.7	74-136			
Surrogate: 1,2-Dichloroethane-d4	62.3		ug/L	62.5		99.6	77.6-134			
Surrogate: Toluene-d8	64.4		"	62.5		103	81.4-121			
Surrogate: 4-Bromofluorobenzene	68.2		"	62.5		109	74.7-123			
Matrix Spike (OE29001-MS2)				Source: X005151-05		Prepared: 05/29/2010 Analyzed: 05/29/2010				
Benzene	0.18	0.004	mg/kg	0.200	0.0006	89.8	77.6-132			
Toluene	0.18	0.004	"	0.200	0.004	86.5	74-136			
Surrogate: 1,2-Dichloroethane-d4	60.2		ug/L	62.5		96.3	77.6-134			
Surrogate: Toluene-d8	66.2		"	62.5		106	81.4-121			
Surrogate: 4-Bromofluorobenzene	68.3		"	62.5		109	74.7-123			
Matrix Spike Dup (OE29001-MSD1)				Source: X005151-04		Prepared: 05/29/2010 Analyzed: 05/29/2010				
Benzene	0.18	0.004	mg/kg	0.200	ND	88.2	77.6-132	2.46	13.1	
Toluene	0.17	0.004	"	0.200	0.003	81.9	74-136	1.50	20.9	
Surrogate: 1,2-Dichloroethane-d4	62.3		ug/L	62.5		99.7	77.6-134			
Surrogate: Toluene-d8	64.5		"	62.5		103	81.4-121			
Surrogate: 4-Bromofluorobenzene	66.8		"	62.5		107	74.7-123			
Matrix Spike Dup (OE29001-MSD2)				Source: X005151-05		Prepared: 05/29/2010 Analyzed: 05/29/2010				
Benzene	0.18	0.004	mg/kg	0.200	0.0006	92.2	77.6-132	2.63	13.1	
Toluene	0.18	0.004	"	0.200	0.004	86.4	74-136	0.136	20.9	

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Rifle CO 81650

Brandon Danforth
Project Number: [none]
Project: FS LF Closure

Volatile Organic Compounds by EPA Method 8260B - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch OE29001 - EPA 5030B

Matrix Spike Dup (OE29001-MSD2)		Source: X005151-05		Prepared: 05/29/2010 Analyzed: 05/29/2010						
Surrogate: 1,2-Dichloroethane-d4	59.6		ug/L	62.5	95.4	77.6-134				
Surrogate: Toluene-d8	64.6		"	62.5	103	81.4-121				
Surrogate: 4-Bromofluorobenzene	68.0		"	62.5	109	74.7-123				

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Rifle CO 81650

Brandon Danforth
Project Number: [none]
Project: FS LF Closure

Conductivity by E120.1 - Quality Control XENCO

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 808806 - NONE										
LCS (808806-1-BKS)		Source: 808806-1-BKS			Prepared: 06/01/2010 Analyzed: 06/01/2010					
Conductivity	1420	2	US/CM	1410	±1.00	101	80-120	0	20	
BLANK (808806-1-BLK)		Source: 808806-1-BLK			Prepared: 06/01/2010 Analyzed: 06/01/2010					
Conductivity	ND	2	US/CM	0.00			-	0	20	

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Brandon Danforth
Project Number: [none]
Project: FS LF Closure

Metals by SW6010B - Quality Control XENCO

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 809123 - SW3050B

MS (374608-001 S)		Source: 374608-001 S			Prepared: 05/28/2010 Analyzed: 06/03/2010					
Magnesium	4890	21.7	mg/kg	2710	2070	104	75-125	0	20	
Sodium	4600	27.1	"	2710	794	140	75-125	0	20	
Nickel	105	1.09	"	109	2.23	94	75-125	0	20	
Lead	146	1.09	"	109	41.2	96	75-125	0	20	
Selenium	124	2.17	"	109	0.91	113	75-125	0	20	
Silver	61.5	2.17	"	54.3	42.17	113	75-125	0	20	
Zinc	156	5.43	"	109	56.5	91	75-125	0	20	
Chromium	117	0.543	"	109	6.45	101	75-125	0	20	
Calcium	306000	21.7	"	2710	264000	NR	75-125	0	20	
Barium	136	3.26	"	109	20.3	106	75-125	0	20	
Copper	555	3.26	"	109	1000		75-125	0	20	
Cadmium	122	0.543	"	109	0.47	111	75-125	0	20	

MSD (374608-001 SD)		Source: 374608-001 SD			Prepared: 05/28/2010 Analyzed: 06/03/2010					
Copper	460	3.26	mg/kg	109	1000		75-125		20	
Magnesium	5210	21.7	"	2710	2070	116	75-125	6	20	
Zinc	161	5.43	"	109	56.5	96	75-125	3	20	
Sodium	3910	27.1	"	2710	794	115	75-125	16	20	
Silver	58.6	2.17	"	54.3	42.17	108	75-125	5	20	
Nickel	104	1.09	"	109	2.23	93	75-125	1	20	
Lead	149	1.09	"	109	41.2	99	75-125	2	20	
Barium	135	3.26	"	109	20.3	105	75-125	1	20	
Calcium	287000	21.7	"	2710	264000	849	75-125	6	20	
Chromium	115	0.543	"	109	6.45	100	75-125	2	20	
Cadmium	119	0.543	"	109	0.47	109	75-125	2	20	
Selenium	122	2.17	"	109	0.91	111	75-125	2	20	

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Rifle CO 81650

Brandon Danforth
Project Number: [none]
Project: FS LF Closure

Metals by SW6010B - Quality Control XENCO

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 809123 - SW3050B

LCS (564407-1-BKS)				Source: 564407-1-BKS		Prepared: 05/28/2010 Analyzed: 06/03/2010				
Calcium	2670	20	mg/kg	2500	29.9	107	75-125	0	20	
Lead	110	1	"	100	±0.790	110	75-125	0	20	
Copper	104	3	"	100	±0.280	104	75-125	0	20	
Chromium	110	0.5	"	100	±0.310	110	75-125	0	20	
Cadmium	104	0.5	"	100	±0.150	104	75-125	0	20	
Barium	104	3	"	100	±0.290	104	75-125	0	20	
Magnesium	2720	20	"	2500	±2.60	109	75-125	0	20	
Nickel	107	1	"	100	±0.310	107	75-125	0	20	
Selenium	107	2	"	100	±0.580	107	75-125	0	20	
Silver	50.5	2	"	50.0	±0.150	101	75-125	0	20	
Zinc	111	5	"	100	±1.80	111	75-125	0	20	
Sodium	2700	25	"	2500	±8.80	108	75-125	0	20	

BLANK (564407-1-BLK)				Source: 564407-1-BLK		Prepared: 05/28/2010 Analyzed: 06/03/2010				
Sodium	ND	25	mg/kg	2500		-		0	20	
Chromium	ND	0.5	"	100		-		0	20	
Copper	ND	3	"	100		-		0	20	
Lead	ND	1	"	100		-		0	20	
Magnesium	ND	20	"	2500		-		0	20	
Nickel	ND	1	"	100		-		0	20	
Silver	ND	2	"	50.0		-		0	20	
Zinc	ND	5	"	100		-		0	20	
Barium	ND	3	"	100		-		0	20	
Cadmium	ND	0.5	"	100		-		0	20	
Calcium	29.9	20	"	2500		-		0	20	
Selenium	ND	2	"	100		-		0	20	

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Brandon Danforth
Project Number: [none]
Project: FS LF Closure

Metals by SW6020 - Quality Control XENCO

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 809224 - SW3050B										
MS (374805-001 S)		Source: 374805-001 S			Prepared: 06/01/2010 Analyzed: 06/04/2010					
Arsenic	27.6	0.549	mg/kg	21.9	6.14	98	75-125	0	30	
MSD (374805-001 SD)		Source: 374805-001 SD			Prepared: 06/01/2010 Analyzed: 06/04/2010					
Arsenic	25	0.549	mg/kg	21.9	6.14	86	75-125	10	30	
LCS (564545-1-BKS)		Source: 564545-1-BKS			Prepared: 06/01/2010 Analyzed: 06/03/2010					
Arsenic	17.3	0.5	mg/kg	20.0	40.090	87	75-125	0	30	
BLANK (564545-1-BLK)		Source: 564545-1-BLK			Prepared: 06/01/2010 Analyzed: 06/03/2010					
Arsenic	ND	0.5	mg/kg	20.0			-	0	30	

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Brandon Danforth
Project Number: [none]
Project: FS LF Closure

Metals by SW7196 - Quality Control XENCO

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 809439 - SW3060A										
MS (374607-001 S)		Source: 374607-001 S			Prepared: 06/04/2010 Analyzed: 06/04/2010					
Chromium, Hexavalent	2.82	4.57	mg/kg	2.85	4.57	99	80-120	0	20	I
MSD (374607-001 SD)		Source: 374607-001 SD			Prepared: 06/04/2010 Analyzed: 06/04/2010					
Chromium, Hexavalent	2.84	4.57	mg/kg	2.85	4.57	100	80-120	1	20	I
LCS (809439-1-BKS)		Source: 809439-1-BKS			Prepared: 06/04/2010 Analyzed: 06/04/2010					
Chromium, Hexavalent	2.57	4	mg/kg	2.50	0.005	103	80-120	0	20	I
BLANK (809439-1-BLK)		Source: 809439-1-BLK			Prepared: 06/04/2010 Analyzed: 06/04/2010					
Chromium, Hexavalent	ND	0.4	mg/kg	0.400			-	0	20	

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Brandon Danforth
Project Number: [none]
Project: FS LF Closure

Metals by SW7471A - Quality Control
XENCO

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 809049 - SW7471P										
MS (374613-001 S)		Source: 374613-001 S		Prepared: 05/28/2010 Analyzed: 06/03/2010						
Mercury	0.2073	0.0102	mg/kg	0.157	0.0323	111	75-125	0	20	
MSD (374613-001 SD)		Source: 374613-001 SD		Prepared: 05/28/2010 Analyzed: 06/03/2010						
Mercury	0.1971	0.0102	mg/kg	0.157	0.0323	105	75-125	5	20	
LCS (564405-1-BKS)		Source: 564405-1-BKS		Prepared: 05/28/2010 Analyzed: 06/03/2010						
Mercury	0.16	0.0087	mg/kg	0.133	0.0044	120	75-125	0	20	
BLANK (564405-1-BLK)		Source: 564405-1-BLK		Prepared: 05/28/2010 Analyzed: 06/03/2010						
Mercury	0.0044	0.0087	mg/kg	0.133			-	0	20	I

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Rifle CO 81650

Brandon Danforth
Project Number: [none]
Project: FS LF Closure

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 808473 - NONE

BLANK (808473-1-BLK)

Source: 808473-1-BLK

Prepared: 05/27/2010 Analyzed: 05/27/2010

Percent Moisture	ND	1	%	0.00	-	0	20
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Rifle CO 81650

Brandon Danforth
Project Number: [none]
Project: FS LF Closure

Polyaromatic Hydrocarbons (PAHs) by SW8270C - Quality Control XENCO

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 808572 - SW3550

MS (374565-002 S)		Source: 374565-002 S			Prepared: 05/28/2010 Analyzed: 05/28/2010					
Benzo(k)fluoranthene	1.42	0.114	mg/kg	1.90	±0.114	75	60-112	0	20	
Fluoranthene	1.72	0.114	"	1.90	±0.114	91	59-106	0	20	
Pyrene	1.74	0.114	"	1.90	±0.114	92	49-125	0	20	
Naphthalene	1.51	0.114	"	1.90	±0.114	79	50-105	0	20	
Benzo(a)pyrene	1.62	0.075	"	1.90	±0.075	85	62-104	0	20	
Fluorene	1.53	0.114	"	1.90	±0.114	81	54-115	0	20	
Dibenz(a,h)Anthracene	1.8	0.075	"	1.90	±0.075	95	47-120	0	20	
Chrysene	1.81	0.114	"	1.90	±0.114	95	61-106	0	20	
Benzo(b)fluoranthene	2.08	0.114	"	1.90	±0.114	109	61-108	0	20	
Benzo(a)anthracene	1.79	0.114	"	1.90	±0.114	94	51-119	0	20	
Anthracene	1.5	0.114	"	1.90	±0.114	79	59-104	0	20	
Acenaphthene	1.52	0.114	"	1.90	±0.114	80	48-119	0	20	
Indeno(1,2,3-c,d)Pyrene	1.82	0.114	"	1.90	±0.114	96	70-130	0	30	
Surrogate: Terphenyl-D14	1.88		PERCENT	1.67		113	43-124			
Surrogate: Nitrobenzene-d5	1.39		"	1.67		83	46-137			
Surrogate: 2-Fluorobiphenyl	1.48		"	1.67		89	59-123			

MSD (374565-002 SD)		Source: 374565-002 SD			Prepared: 05/28/2010 Analyzed: 05/28/2010					
Indeno(1,2,3-c,d)Pyrene	1.82	0.114	mg/kg	1.90	±0.114	96	70-130	0	30	
Naphthalene	1.41	0.114	"	1.90	±0.114	74	50-105	7	20	
Fluoranthene	1.75	0.114	"	1.90	±0.114	92	59-106	2	20	
Fluorene	1.51	0.114	"	1.90	±0.114	79	54-115	1	20	
Dibenz(a,h)Anthracene	1.81	0.075	"	1.90	±0.075	95	47-120	1	20	
Chrysene	1.8	0.114	"	1.90	±0.114	95	61-106	1	20	
Benzo(k)fluoranthene	1.37	0.114	"	1.90	±0.114	72	60-112	4	20	
Benzo(b)fluoranthene	2.16	0.114	"	1.90	±0.114	114	61-108	4	20	
Benzo(a)pyrene	1.64	0.075	"	1.90	±0.075	86	62-104	1	20	

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800 Airport Road, Suite 3
Rifle CO 81650

Brandon Danforth
Project Number: [none]
Project: FS LF Closure

Polyaromatic Hydrocarbons (PAHs) by SW8270C - Quality Control XENCO

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 808572 - SW3550

MSD (374565-002 SD)		Source: 374565-002 SD		Prepared: 05/28/2010 Analyzed: 05/28/2010						
Benzo(a)anthracene	1.79	0.114	mg/kg	1.90	±0.114	94	51-119	0	20	
Anthracene	1.5	0.114	"	1.90	±0.114	79	59-104	0	20	
Acenaphthene	1.48	0.114	"	1.90	±0.114	78	48-119	3	20	
Pyrene	1.72	0.114	"	1.90	±0.114	91	49-125	1	20	
Surrogate: Terphenyl-D14	1.88		PERCENT	1.66		113	43-124			
Surrogate: 2-Fluorobiphenyl	1.51		"	1.66		91	59-123			
Surrogate: Nitrobenzene-d5	1.39		"	1.66		84	46-137			

LCS (564380-1-BKS)		Source: 564380-1-BKS		Prepared: 05/28/2010 Analyzed: 05/28/2010						
Dibenz(a,h)Anthracene	1.55	0.066	mg/kg	1.67	±0.027	93	47-120	0	20	
Pyrene	1.58	0.1	"	1.67	±0.033	95	49-125	0	20	
Naphthalene	1.39	0.1	"	1.67	±0.021	83	50-105	0	20	
Indeno(1,2,3-c,d)Pyrene	1.56	0.1	"	1.67	±0.034	93	70-130	0	30	
Fluoranthene	1.51	0.1	"	1.67	±0.038	90	59-106	0	20	
Benzo(k)fluoranthene	1.53	0.1	"	1.67	±0.033	92	60-112	0	20	
Benzo(b)fluoranthene	1.44	0.1	"	1.67	±0.020	86	61-108	0	20	
Benzo(a)pyrene	1.42	0.066	"	1.67	±0.025	85	62-104	0	20	
Benzo(a)anthracene	1.54	0.1	"	1.67	±0.028	92	51-119	0	20	
Anthracene	1.44	0.1	"	1.67	±0.035	86	59-104	0	20	
Acenaphthene	1.43	0.1	"	1.67	±0.022	86	48-119	0	20	
Fluorene	1.42	0.1	"	1.67	±0.023	85	54-115	0	20	
Chrysene	1.48	0.1	"	1.67	±0.023	89	61-106	0	20	
Surrogate: Terphenyl-D14	1.96		PERCENT	1.67		117	43-124			
Surrogate: Nitrobenzene-d5	1.57		"	1.67		94	46-137			
Surrogate: 2-Fluorobiphenyl	1.61		"	1.67		96	59-123			

BLANK (564380-1-BLK)		Source: 564380-1-BLK		Prepared: 05/28/2010 Analyzed: 05/28/2010						
Fluorene	ND	0.1	mg/kg	1.67		-	0	20		

Origins Laboratory, Inc.

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.

Noelle E Doyle, Laboratory Manager

Noble Energy, Inc. - Rifle
800 Airport Road, Suite 3
Rifle CO 81650

Brandon Danforth
Project Number: [none]
Project: FS LF Closure

Polyaromatic Hydrocarbons (PAHs) by SW8270C - Quality Control XENCO

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 808572 - SW3550

BLANK (564380-1-BLK)		Source: 564380-1-BLK			Prepared: 05/28/2010 Analyzed: 05/28/2010					
Indeno(1,2,3-c,d)Pyrene	ND	0.1	mg/kg	1.67	-	0	30			
Naphthalene	ND	0.1	"	1.67	-	0	20			
Fluoranthene	ND	0.1	"	1.67	-	0	20			
Benzo(a)anthracene	ND	0.1	"	1.67	-	0	20			
Pyrene	ND	0.1	"	1.67	-	0	20			
Dibenz(a,h)Anthracene	ND	0.066	"	1.67	-	0	20			
Chrysene	ND	0.1	"	1.67	-	0	20			
Benzo(k)fluoranthene	ND	0.1	"	1.67	-	0	20			
Benzo(a)pyrene	ND	0.066	"	1.67	-	0	20			
Anthracene	ND	0.1	"	1.67	-	0	20			
Acenaphthene	ND	0.1	"	1.67	-	0	20			
Benzo(b)fluoranthene	ND	0.1	"	1.67	-	0	20			
Surrogate: Nitrobenzene-d5	1.63		PERCENT	1.67	98	46-137				
Surrogate: Terphenyl-D14	1.96		"	1.67	117	43-124				
Surrogate: 2-Fluorobiphenyl	1.62		"	1.67	97	59-123				

Origins Laboratory, Inc.



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Noelle E Doyle, Laboratory Manager

Noble Energy, Inc. - Rifle

800 Airport Road, Suite 3

Rifle CO 81650

Brandon Danforth

Project Number: [none]

Project: FS LF Closure

Notes and Definitions

V detected in sample and blank

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, Laboratory Manager



ANALYTICAL SUMMARY REPORT

January 25, 2010

Noble Energy
100 Glenborough Dr Ste 100
Houston, TX 77067-3610

Workorder No.: C09090351 Quote ID: C3134 - Soil Sampling
Project Name: 35B-Precut


Energy Laboratories, Inc. received the following 3 samples for Noble Energy on 9/9/2009 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C09090351-001	35B-01	09/08/09 13:30	09/09/09	Soil	Metals by ICP/ICPMS, Total Metals, CaCl ₂ Extractable Cations, Saturated Paste Saturated Paste Electrical Conductivity Chromium, Hexavalent Chromium, Trivalent Mercury, Total Ultrasonic Extraction Diesel Range Organics Gasoline Range Organics Soluble Metals from Paste Saturated Paste pH Percent Moisture Digestion, Total Metals CaCl ₂ Hot Water Soil Extraction CVAA Permanganate Digest DI Water Soil Extract Saturated Paste Sodium Adsorption Ratio in Soil Subcontracted, Accutest Laboratories SW8270C SVOCs True Total Barium Volatile Organics, Methanol Extraction Volatile Organics, Methanol Extraction SW8260B VOCs, BTEX
C09090351-002	35B-03	09/08/09 14:30	09/09/09	Aqueous	E300.0 Anions Solids, Total Dissolved SW8260B VOCs, BTEX
C09090351-003	35B-02 (background)	09/08/09 13:30	09/09/09	Soil	Metals by ICP/ICPMS, Total Metals, CaCl ₂ Extractable Cations, Saturated Paste Saturated Paste Electrical Conductivity Saturated Paste pH Percent Moisture Digestion, Total Metals CaCl ₂ Hot Water Soil Extraction Saturated Paste Sodium Adsorption Ratio in Soil Subcontracted, Accutest Laboratories True Total Barium

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:


Stephanie D. Waldrop
Reporting Supervisor



LABORATORY ANALYTICAL REPORT

Client: Noble Energy
Project: 35B-Precut
Lab ID: C09090351-003
Client Sample ID: 35B-02 (background)

Revised Date: 01/25/10
Report Date: 11/23/09
Collection Date: 09/08/09 13:30
Date Received: 09/09/09
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Arsenic	18.6	mg/kg-dry		0.3		SW6020	09/11/09 04:40 / sml

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



CLIENT: Noble Energy
Project: 35B-Precut
Sample Delivery Group: C09090351

Date: 25-Jan-10

CASE NARRATIVE

REVISED/SUPPLEMENTAL REPORT

The attached analytical report has been revised from a previously submitted report due to the request by Brandon Danforth on January 25, 2010 to report As on its own report for samples -001 and -003.

SUB-CONTRACTED ANALYSIS

The service requested for your sample(s) was sub-contracted to Accutest Laboratories for analysis. Enclosed is the resulting data.

Sub-lab Accreditation #: CO-00049

Sample ID: 35B-01, 35B-02

Laboratory ID: C09090351-001, C09090351-003

Matrix: Soil

Sampling Date/Time: 09/08/09 13:30 pm, 09/08/09 13:30 pm

Received Date/Time: 09/09/09 09:45 am

Analysis Requested: Hot Water Soluble Boron

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests Associated with Analyst identified as ELI-B were subcontracted to Energy Laboratories Billings Branch, EPA Number MT00005.

Tests Associated with Analyst identified as ELI-CS were subcontracted to Energy Laboratories College Station Branch, EPA Number TX01520.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT

eli-g - Energy Laboratories, Inc. - Gillette, WY

eli-h - Energy Laboratories, Inc. - Helena, MT

eli-r - Energy Laboratories, Inc. - Rapid City, SD

eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT