



4640 Pecos Street | Unit C | Denver, Colorado 80211
303.433.1322 Phone 303.265.9645 Fax

February 05, 2010

Noble Energy Inc.
804 Grand Avenue
Platteville CO 80651

Marty Faraguna
Project Number: [none]
Project: LDS F1-27,28

Attached are the analytical results for LDS F1-27,28 received by Origins Laboratory, Inc. 2/3/2010 10:21:00AM. Please let us know if you have any questions, or if we can help with anything at all.

Laboratory Manager
Noelle E Doyle

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. This laboratory report is intended solely for the above addressee and it is only to be used and or reproduced in its entirety.

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Marty Faraguna
Project Number: [none]
Project: LDS F1-27,28

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Sampled	Date Received
Sample 1	X002010-01	Soil	2/1/2010 3:00:00PM	02/03/2010 10:21
Sample 2	X002010-02	Soil	2/1/2010 3:00:00PM	02/03/2010 10:21
Sample 3	X002010-03	Soil	2/1/2010 3:00:00PM	02/03/2010 10:21
Sample 4	X002010-04	Soil	2/1/2010 3:00:00PM	02/03/2010 10:21

Origins Laboratory, Inc.

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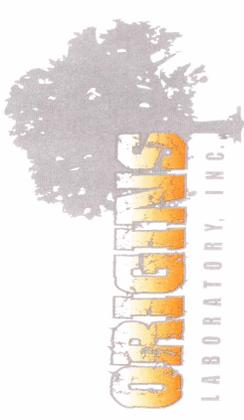
Noelle E Doyle, Laboratory Manager



Noble Energy Inc.
 804 Grand Avenue
 Platteville CO 80651

Marty Faraguna
 Project Number: [none]
 Project: LDS F1-27,28

X002010
 page 1 of 1



originslaboratory.com

Client: Noble Energy
 Address: 804 Grand Ave
Platteville CO

Project Manager: M Faraguna
 Project Name: LDS F1-27,28
 Project Number:
 Samples Collected by: MJE

Telephone Number:
 E-Mail Address:

Sample ID - Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analysis			Sample Instructions			
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air - Summa Canister #	Other	Date	Time		Temperature Upon Receipt:		
Sample 1	2-1-10	3:00						X									
Sample 2	"	"						X									
Sample 3	"	"						X									
Sample 4	"	"						X									
Relinquished by:																	
Relinquished by:																	

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 804 Grand Avenue
 Platteville CO 80651

Marty Faraguna
 Project Number: [none]
 Project: LDS F1-27,28

Sample 1
X002010-01 (Soil)
2/1/2010 3:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	0.00400	mg/kg	1	0B03003	02/03/2010	02/04/2010	
Toluene	ND	0.00400	"	"	"	"	"	
Ethylbenzene	ND	0.00400	"	"	"	"	"	
o-Xylene	ND	0.00400	"	"	"	"	"	
m,p-Xylene	ND	0.00800	"	"	"	"	"	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	85.7 %	77.6-134			"	"	"	
<i>Surrogate: Toluene-d8</i>	92.4 %	81.4-121			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.5 %	74.7-123			"	"	"	

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	0B03004	02/03/2010	02/04/2010	
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>	101 %	65-140			"	"	"	
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 Platteville CO 80651

Marty Faraguna
 Project Number: [none]
 Project: LDS F1-27,28

Sample 2
X002010-02 (Soil)
2/1/2010 3:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	0.00400	mg/kg	1	0B03003	02/03/2010	02/04/2010	
Toluene	ND	0.00400	"	"	"	"	"	
Ethylbenzene	ND	0.00400	"	"	"	"	"	
o-Xylene	ND	0.00400	"	"	"	"	"	
m,p-Xylene	ND	0.00800	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	83.8 %	77.6-134			"	"	"	
Surrogate: Toluene-d8	93.3 %	81.4-121			"	"	"	
Surrogate: 4-Bromofluorobenzene	93.7 %	74.7-123			"	"	"	

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	0B03004	02/03/2010	02/04/2010	
Diesel (C10-C28)	ND	50.0	"	"	"	"	"	
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"	
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"	

Surrogate: o-Terphenyl	117 %	65-140			"	"	"	
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Marty Faraguna
 Project Number: [none]
 Project: LDS F1-27,28

Sample 3
X002010-03 (Soil)
2/1/2010 3:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	0.00400	mg/kg	1	0B03003	02/03/2010	02/04/2010	
Toluene	ND	0.00400	"	"	"	"	"	
Ethylbenzene	ND	0.00400	"	"	"	"	"	
o-Xylene	ND	0.00400	"	"	"	"	"	
m,p-Xylene	ND	0.00800	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	86.6 %	77.6-134			"	"	"	
Surrogate: Toluene-d8	94.1 %	81.4-121			"	"	"	
Surrogate: 4-Bromofluorobenzene	91.2 %	74.7-123			"	"	"	

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	0B03004	02/03/2010	02/04/2010	
Diesel (C10-C28)	ND	50.0	"	"	"	"	"	
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"	
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"	

Surrogate: o-Terphenyl	106 %	65-140			"	"	"	
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Marty Faraguna
 Project Number: [none]
 Project: LDS F1-27,28

Sample 4
X002010-04 (Soil)
2/1/2010 3:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

BTEX by EPA 8260B

Benzene	ND	0.00400	mg/kg	1	0B03003	02/03/2010	02/04/2010	
Toluene	ND	0.00400	"	"	"	"	"	
Ethylbenzene	ND	0.00400	"	"	"	"	"	
o-Xylene	ND	0.00400	"	"	"	"	"	
m,p-Xylene	ND	0.00800	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	88.2 %	77.6-134			"	"	"	
Surrogate: Toluene-d8	91.4 %	81.4-121			"	"	"	
Surrogate: 4-Bromofluorobenzene	93.7 %	74.7-123			"	"	"	

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	0B03004	02/03/2010	02/04/2010	
Diesel (C10-C28)	ND	50.0	"	"	"	"	"	
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"	
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"	

Surrogate: o-Terphenyl	97.5 %	65-140			"	"	"	
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Marty Faraguna
 Project Number: [none]
 Project: LDS F1-27,28

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
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Batch OB03004 – Default Prep GC-Semi

Blank (OB03004-BLK1)

Prepared: 02/03/2010 Analyzed: 02/04/2010

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	"							

Surrogate: o-Terphenyl 52.1 g 50.0 104 65-140

LCS (OB03004-BS1)

Prepared: 02/03/2010 Analyzed: 02/04/2010

Gasoline (C6-C10)	ND	50.0	mg/kg				65-140			
Diesel (C10-C28)	425	50.0	"	500	85.1		60-140			
<i>Surrogate: o-Terphenyl</i>	55.9		g	50.0	112		65-140			

LCS Dup (OB03004-BSD1)

Prepared: 02/03/2010 Analyzed: 02/04/2010

Gasoline (C6-C10)	ND	50.0	mg/kg				65-140		25	
Diesel (C10-C28)	433	50.0	"	500	86.5		60-140	1.70	25	
<i>Surrogate: o-Terphenyl</i>	56.9		g	50.0	114		65-140			

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 Project Number: [none]
 Project: LDS F1-27,28

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 OB03003 – EPA 5030B

Blank (OB03003-BLK1)

Prepared: 02/03/2010 Analyzed: 02/04/2010

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	"							

<i>Surrogate: 1,2-Dichloroethane-d4</i>	54.6		ug/L	62.5		87.4	77.6-134			
<i>Surrogate: Toluene-d8</i>	56.7		"	62.5		90.7	81.4-121			
<i>Surrogate: 4-Bromofluorobenzene</i>	58.6		"	62.5		93.8	74.7-123			

LCS (OB03003-BS1)

Prepared: 02/03/2010 Analyzed: 02/04/2010

Benzene	0.24	0.004	mg/kg	0.200		121	75.2-128			
Toluene	0.18	0.004	"	0.200		92.0	76.3-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	55.1		ug/L	62.5		88.1	77.6-134			
<i>Surrogate: Toluene-d8</i>	59.1		"	62.5		94.6	81.4-121			
<i>Surrogate: 4-Bromofluorobenzene</i>	59.4		"	62.5		95.0	74.7-123			

LCS Dup (OB03003-BSD1)

Prepared: 02/03/2010 Analyzed: 02/04/2010

Benzene	0.24	0.004	mg/kg	0.200		119	75.2-128	1.62	200	
Toluene	0.18	0.004	"	0.200		88.3	76.3-130	4.11	200	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	53.2		ug/L	62.5		85.1	77.6-134			
<i>Surrogate: Toluene-d8</i>	55.1		"	62.5		88.2	81.4-121			
<i>Surrogate: 4-Bromofluorobenzene</i>	57.9		"	62.5		92.6	74.7-123			

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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Noelle E Doyle, Laboratory Manager