



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

September 29, 2009

Noble Energy Inc.

804 Grand Avenue

Platteville CO 80651

Marty Faraguna

Project Number: N/A

Project: Leonard L17-2,7

Attached are the analytical results for Leonard L17-2,7 received by Origins Laboratory, Inc. 9/28/2009 3:46:00PM. Please let us know if you have any questions, or if we can help with anything at all.

Noelle E Doyle
Laboratory Manager

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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804 Grand Avenue
Platteville CO 80651

Marty Faraguna
Project Number: N/A
Project: Leonard L17-2,7

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Sampled	Date Received
W	X909088-01	Soil	9/28/2009 10:30:00AM	09/28/2009 15:46
E	X909088-02	Soil	9/28/2009 10:00:00AM	09/28/2009 15:46
N	X909088-03	Soil	9/28/2009 11:30:00AM	09/28/2009 15:46
S	X909088-04	Soil	9/28/2009 1:00:00PM	09/28/2009 15:46
B1	X909088-05	Soil	9/28/2009 1:00:00PM	09/28/2009 15:46
B2	X909088-06	Soil	9/28/2009 1:00:00PM	09/28/2009 15:46

Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager

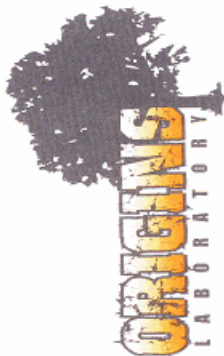
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Marty Faraguna
Project Number: N/A
Project: Leonard L17-2,7

X909088 page 1 of 3



originslaboratory.com

Client: Noble Energy
Address: 804 Grand Ave
Platteville Co 80601
Telephone Number:
E-Mail Address:
Project Manager: mfaraguna
Project Name: Leonard L17-2,7
Project Number:
Samples Collected by: mje

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 -				
W	9-28-09	10:30	1											1
F	"	10:00	1											2
N	"	11:30	1											3
S	"	1:00	1											4
B1	"	1:00	1											5
B2	"	1:00	1											6
														7
														8
														9
														10

Relinquished by:	Date	Time	Received by:	Date	Time	Temperature Upon Receipt:
Marty Faraguna	9-28-09	3:30	deboon	9-28-09	1546	

Relinquished by:	Date	Time	Received by:	Date	Time	Turn Around Time:
						24-hr
						48-hr
						72-hr

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Marty Faraguna
Project Number: N/A
Project: Leonard L17-2,7

W
X909088-01 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	9128002	09/28/2009	09/28/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	81.7%	65-140	"	"	"	"	"
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Marty Faraguna
Project Number: N/A
Project: Leonard L17-2,7

E
X909088-02 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	9128002	09/28/2009	09/28/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"
Surrogate: o-Terphenyl	78.2 %	65-140			"	"	"

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Marty Faraguna
Project Number: N/A
Project: Leonard L17-2,7

N
X909088-03 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	9128002	09/28/2009	09/29/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"
Surrogate: o-Terphenyl	82.2 %	65-140			"	"	"

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Project Number: N/A
Project: Leonard L17-2,7

S
X909088-04 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	9128002	09/28/2009	09/29/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"
Surrogate: o-Terphenyl	81.2 %	65-140			"	"	"

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Marty Faraguna
Project Number: N/A
Project: Leonard L17-2,7

B1
X909088-05 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	9128002	09/28/2009	09/29/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	79.7 %	65-140	"	"	"	"	"
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B2
X909088-06 (Soil)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

TPH-Carbon Chain by EPA Method 8015M

Gasoline (C6-C10)	ND	50.0	mg/kg	1	9128002	09/28/2009	09/29/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"
Surrogate: o-Terphenyl	83.5 %	65-140			"	"	"

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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 9I28002 – Default Prep GC-Semi

Blank (9I28002-BLK1)

Prepared: 09/28/2009 Analyzed: 09/28/2009

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 40.6 g 50.0 81.2 65-140

LCS (9I28002-BS1)

Prepared: 09/28/2009 Analyzed: 09/28/2009

Gasoline (C6-C10)	62.2	50.0	mg/kg			65-140
Diesel (C10-C28)	416	50.0	"	500	83.2	60-140

Surrogate: o-Terphenyl 42.9 g 50.0 85.8 65-140

Matrix Spike (9I28002-MS1)

Source: X909084-01

Prepared: 09/28/2009 Analyzed: 09/28/2009

Gasoline (C6-C10)	64.0	50.0	mg/kg	ND		65-130
Diesel (C10-C28)	413	50.0	"	500	32.3 76.1	60-140

Surrogate: o-Terphenyl 41.2 g 50.0 82.4 65-140

Matrix Spike Dup (9I28002-MSD1)

Source: X909084-01

Prepared: 09/28/2009 Analyzed: 09/28/2009

Gasoline (C6-C10)	62.7	50.0	mg/kg	ND		65-130	2.13	20
Diesel (C10-C28)	414	50.0	"	500	32.3 76.3	60-140	0.200	25

Surrogate: o-Terphenyl 43.3 g 50.0 86.5 65-140

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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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