



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

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June 05, 2009

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Noble Energy Inc.

804 Grand Avenue

Platteville CO 80651

Marty Faraguna

Project Number: [none]

Project: Well Ranch USX AA 13-9

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Attached are the analytical results for Well Ranch USX AA 13-9 received by Origins Laboratory, Inc. 6/2/2009 2:00:00PM. 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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Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: [none]  
Project: Well Ranch USX AA 13-9

#### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Sampled	Date Received
S1	X906008-01	Soil	6/1/2009 10:00:00AM	06/02/2009 14:00
S2	X906008-02	Soil	6/1/2009 10:00:00AM	06/02/2009 14:00
S3	X906008-03	Soil	6/1/2009 10:00:00AM	06/02/2009 14:00
S4	X906008-04	Soil	6/1/2009 10:30:00AM	06/02/2009 14:00
S5	X906008-05	Soil	6/1/2009 10:30:00AM	06/02/2009 14:00
S6	X906008-06	Soil	6/1/2009 10:30:00AM	06/02/2009 14:00
S7	X906008-07	Soil	6/1/2009 10:30:00AM	06/02/2009 14:00

Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager

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Marty Faraguna  
Project Number: [none]  
Project: Well Ranch USX AA 13-9

*X906008*

page 1 of 1

originslaboratory.com

Client: Noble Energy  
Address: 804 Grand Ave  
Platteville CO 80651

Project Manager: M. Faraguna  
Project Name: Well Ranch USX AA 13-9  
Project Number: 13-9  
Samples Collected by: MAF

Telephone Number: \_\_\_\_\_  
E-Mail Address: \_\_\_\_\_

Sample ID - Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other -	Groundwater	Soil	Air - Summa Canister #		
S1	6-1-09	11:00	1					X				1
S2	"	"	1					X				2
S3	"	"	1					X				3
S4	"	10:30	1					X				4
S5	"	"	1					X				5
S6	"	"	1					X				6
S7	"	"	1					X				7
												8
												9
												10

Relinquished by: M. Faraguna Date: 6-2-09 Time: 2:00 Received by: CD Doyle Date: 6-2-09 Time: 14:00

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Temperature Upon Receipt: 27

Turn Around Time: ☒ 24-hr ☐ 48-hr ☐ 72-hr

Standard: ☒

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Noble Energy Inc.  
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Platteville CO 80651

Marty Faraguna  
Project Number: [none]  
Project: Well Ranch USX AA 13-9

S1

X906008-01 (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	9F03001	06/03/2009	06/03/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200.0	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	105 %	65-140	"	"	"	"	"
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Marty Faraguna  
Project Number: [none]  
Project: Well Ranch USX AA 13-9

S2  
X906008-02 (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	9F03001	06/03/2009	06/03/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200.0	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"
Surrogate: o-Terphenyl	106 %	65-140			"	"	"

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Marty Faraguna  
Project Number: [none]  
Project: Well Ranch USX AA 13-9

S3  
X906008-03 (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	9F03001	06/03/2009	06/03/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200.0	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"
Surrogate: o-Terphenyl	106 %	65-140			"	"	"

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Marty Faraguna  
Project Number: [none]  
Project: Well Ranch USX AA 13-9

S4  
X906008-04 (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	9F03001	06/03/2009	06/03/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200.0	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	106 %	65-140	"	"	"	"	"
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Marty Faraguna  
Project Number: [none]  
Project: Well Ranch USX AA 13-9

S5  
X906008-05 (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	9F03001	06/03/2009	06/04/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200.0	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"
Surrogate: o-Terphenyl	103 %	65-140			"	"	"

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Marty Faraguna  
Project Number: [none]  
Project: Well Ranch USX AA 13-9

S6  
X906008-06 (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	9F03001	06/03/2009	06/04/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200.0	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	104 %	65-140	"	"	"	"	"
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Marty Faraguna  
Project Number: [none]  
Project: Well Ranch USX AA 13-9

S7

X906008-07 (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	9F03001	06/03/2009	06/04/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200.0	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"
Surrogate: o-Terphenyl	103 %	65-140			"	"	"

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Project Number: [none]  
Project: Well Ranch USX AA 13-9

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 9F03001 – Default Prep GC-Semi

Blank (9F03001-BLK1)

Prepared: 06/03/2009 Analyzed: 06/03/2009

Gasoline (C6-C10)	ND	50.0	mg/kg
Diesel (C10-C28)	ND	50.0	"
Residual Range Organics (C28-C36)	ND	200.0	"
TPH – Carbon Chain Total	ND	50.0	"

Surrogate: o-Terphenyl 55.7 g 50.0 111 65-140

LCS (9F03001-BS1)

Prepared: 06/03/2009 Analyzed: 06/03/2009

Gasoline (C6-C10)	ND	50.0	mg/kg			65-140
Diesel (C10-C28)	169.9	50.0	"	200	85.0	60-140

Surrogate: o-Terphenyl 43.7 g 50.0 87.3 65-140

Matrix Spike (9F03001-MS1)

Source: X906008-01

Prepared: 06/03/2009 Analyzed: 06/03/2009

Gasoline (C6-C10)	ND	50.0	mg/kg	ND		65-130
Diesel (C10-C28)	180.1	50.0	"	200	90.0	60-140

Surrogate: o-Terphenyl 44.3 g 50.0 88.6 65-140

Matrix Spike Dup (9F03001-MSD1)

Source: X906008-01

Prepared: 06/03/2009 Analyzed: 06/03/2009

Gasoline (C6-C10)	ND	50.0	mg/kg	ND		65-130	20
Diesel (C10-C28)	182.1	50.0	"	200	91.0	60-140	1.10 25

Surrogate: o-Terphenyl 43.6 g 50.0 87.2 65-140

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Marty Faraguna  
Project Number: [none]  
Project: Well Ranch USX AA 13-9

### Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit  
RPD Relative Percent Difference

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