



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

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June 24, 2009

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Noble Energy Inc.

804 Grand Avenue

Platteville CO 80651

Marty Faraguna

Project Number: [none]

Project: Wells Ranch USX AA 13-2

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Attached are the analytical results for Wells Ranch USX AA 13-2 received by Origins Laboratory, Inc. 6/16/2009 3:30:00PM. 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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Marty Faraguna  
Project Number: [none]  
Project: Wells Ranch USX AA 13-2

#### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Sampled	Date Received
Sample 1	X906057-01	Soil	6/15/2009 1:30:00PM	06/16/2009 15:30
Sample 2	X906057-02	Soil	6/15/2009 1:30:00PM	06/16/2009 15:30

Origins Laboratory, Inc.

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Noelle E Doyle, Laboratory Manager

Marty Faraguna

Project Number: [none]

Project: Wells Ranch USX AA 13-2

Project Manager - m farwana  
Project Name - Wells Ranch V&A 13.2  
Project Number - \_\_\_\_\_  
Samples Collected by - WTF

Client: Noble Energy  
Address: 5024 Grand Ave.  
Platteville Co 50651  
Telephone Number: \_\_\_\_\_  
E-Mail Address: \_\_\_\_\_

Sample ID - Description	Date Sampled	Time Sampled	Number of Containers	Preservative					Matrix		Analysis		
				Unpreserved	HCl	HNO <sub>3</sub>	Other -	Groundwater	Soil	Air - Summa Canister #	Other -		
Sample 1	6-16-09	1:30	4										
Sample 2	"	1:30	1										
Reinquisitioned by: <i>W. J. [Signature]</i>				Date: 6-16-09	Time: 3:30	Received by: <i>[Signature]</i>	Date: 6-16-09	Time: 1:53	Temperature Upon Receipt:				
Reinquisitioned by: <i>W. J. [Signature]</i>				Date: 6-16-09	Time: 3:30	Received by: <i>[Signature]</i>	Date: 6-16-09	Time: 1:53	Turn Around Time:				
									Same Day <input type="checkbox"/> 24-hr <input type="checkbox"/> 48-hr <input type="checkbox"/> 72-hr <input checked="" type="checkbox"/>				
									Standard <input type="checkbox"/>				

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Page 3 of 9

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**Sample 1**  
**X906057-01 (Soil)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

**GENAPURE**

**pH by SW-846 9045**

pH	8.54	0.1	pH unit	1	1113	06/18/2009	06/17/2009
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**Sodium Absorption Ratio (SAR) by 29B**

Sodium Absorption Ratio	1.95		Unitless	1	1669	"	06/17/2009
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**Specific Conductance by EPA 120.1**

Specific Conductance	723	2	umhos/ cm	1	1051	"	06/17/2009
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**Total Percent Solid by SM2540G**

Percent Solid	82.2		%	1	1891	"	06/17/2009
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Sample 2  
X906057-02 (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	9F16003	06/16/2009	06/16/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"
Surrogate: o-Terphenyl	82.5 %	65-140			"	"	"

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Project Number: [none]  
Project: Wells Ranch USX AA 13-2

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 9F16003 – Default Prep GC-Semi

Blank (9F16003-BLK1)

Prepared: 06/16/2009 Analyzed: 06/16/2009

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 66.7 g 50.0 133 65-140

LCS (9F16003-BS1)

Prepared: 06/16/2009 Analyzed: 06/16/2009

Gasoline (C6-C10)	338	50.0	mg/kg	500	67.6	65-140
Diesel (C10-C28)	26.2	50.0	"			60-140

Surrogate: o-Terphenyl 65.8 g 50.0 132 65-140

LCS Dup (9F16003-BSD1)

Prepared: 06/16/2009 Analyzed: 06/16/2009

Gasoline (C6-C10)	345	50.0	mg/kg	500	68.9	65-140	1.85	25
Diesel (C10-C28)	26.5	50.0	"			60-140	1.19	25

Surrogate: o-Terphenyl 66.8 g 50.0 134 65-140

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pH by SW-846 9045 – Quality Control  
GENAPURE

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 1113 –

DUP (33699)

Source: X906057-01

Prepared: 06/18/2009 Analyzed: 06/17/2009

pH	8.6	0.1	pH unit	8.54	–	0.7	10	
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**Total Percent Solid by SM2540G – Quality Control**  
**GENAPURE**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1891 –**

**DUP (33429)**

**Source: X906057-01**

Prepared: 06/18/2009 Analyzed: 06/17/2009

Percent Solid	81.8	%	82.2	–	0.45	20
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Notes and Definitions

- 2 [Undefined]
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

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