



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

---

April 09, 2009

---

Noble Energy Inc.

804 Grand Avenue

Platteville CO 80651

Marty Faraguna

Project Number: N/A

Project: Kehn USX AD 19-11

---

Attached are the analytical results for Kehn USX AD 19-11 received by Origins Laboratory, Inc. 4/7/2009 10:30:00AM. 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.

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



Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: N/A  
Project: Kehn USX AD 19-11

#### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Sampled	Date Received
1	X904018-01	Soil	4/6/2009 10:30:00AM	04/07/2009 10:30
2	X904018-02	Soil	4/6/2009 10:30:00AM	04/07/2009 10:30
3	X904018-03	Soil	4/6/2009 10:30:00AM	04/07/2009 10:30
4	X904018-04	Soil	4/6/2009 10:45:00AM	04/07/2009 10:30
5	X904018-05	Soil	4/6/2009 10:45:00AM	04/07/2009 10:30
6	X904018-06	Soil	4/6/2009 10:45:00AM	04/07/2009 10:30

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

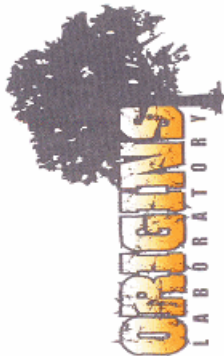
4640 Pecos Street | Unit C  
Denver, Colorado 80211  
303.433.1322 | Laboratory  
303.265.9645 | Fax



Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: N/A  
Project: Kehn USX AD 19-11

X4904018  
page 1 of 1



originslaboratory.com

Client: Noble Energy  
Address: \_\_\_\_\_  
Telephone Number: \_\_\_\_\_  
E-Mail Address: \_\_\_\_\_  
Project Manager: M. Faraguna  
Project Name: Kehn USX AD 19-11  
Project Number: \_\_\_\_\_  
Samples Collected by: MSF

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 #		
1	4-6-09	10:30 A	1									1
2	4-6-09	10:30	1									2
3	4-6-09	10:30	1									3
4	4-6-09	10:45	1									4
5	4-6-09	10:45	1									5
6	4-6-09	10:45	1									6
												7
												8
												9
												10
Relinquished by: <u>Marty Faraguna</u> Date: <u>4-7-09</u> Time: <u>10:30</u>												
Relinquished by: _____ Date: _____ Time: _____												
Received by: <u>MSF</u> Date: <u>4-7-09</u> Time: <u>10:30</u>												
Received by: _____ Date: _____ Time: _____												
Temperature Upon Receipt: <u>5.0</u>												
Turn Around Time: _____												
Same Day _____ 24-Hr _____ 48-Hr _____ 72-Hr <u>X</u>												
Standard _____												

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

Origins Laboratory, Inc.

Noelle E Doyle, Laboratory Manager

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.

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



Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: N/A  
Project: Kehn USX AD 19-11

1  
X904018-01 (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	9D07001	04/07/2009	04/07/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"
Surrogate: o-Terphenyl	92.3 %	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.

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



Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: N/A  
Project: Kehn USX AD 19-11

2  
X904018-02 (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	9D07001	04/07/2009	04/07/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	103 %	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.

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



Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: N/A  
Project: Kehn USX AD 19-11

3  
X904018-03 (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	9D07001	04/07/2009	04/07/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"
Surrogate: o-Terphenyl	103 %	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.

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



Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: N/A  
Project: Kehn USX AD 19-11

4  
X904018-04 (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	9D07001	04/07/2009	04/07/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"
Surrogate: o-Terphenyl	104 %	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.

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



Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: N/A  
Project: Kehn USX AD 19-11

5  
X904018-05 (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	9D07001	04/07/2009	04/07/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	104 %	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.



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



Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: N/A  
Project: Kehn USX AD 19-11

6  
X904018-06 (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	9D07001	04/07/2009	04/07/2009
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"
Surrogate: o-Terphenyl	102 %	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.

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



Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: N/A  
Project: Kehn USX AD 19-11

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
<b>Batch 9D07001 – Default Prep GC-Semi</b>										
<b>Blank (9D07001-BLK1)</b>					Prepared: 04/07/2009 Analyzed: 04/07/2009					
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	47.4		g	50.0		94.9	65-140			
<b>LCS (9D07001-BS1)</b>					Prepared: 04/07/2009 Analyzed: 04/07/2009					
Gasoline (C6-C10)	615	50.0	mg/kg	500		123	65-140			
Diesel (C10-C28)	ND	50.0	"				60-140			
Surrogate: o-Terphenyl	49.7		g	50.0		99.4	65-140			
<b>Matrix Spike (9D07001-MS1)</b>					Source: X904019-10		Prepared: 04/07/2009 Analyzed: 04/07/2009			
Gasoline (C6-C10)	566	50.0	mg/kg	500	ND	113	65-130			
Diesel (C10-C28)	ND	50.0	"		ND		60-140			
Surrogate: o-Terphenyl	49.5		g	50.0		99.0	65-140			
<b>Matrix Spike Dup (9D07001-MSD1)</b>					Source: X904019-10		Prepared: 04/07/2009 Analyzed: 04/07/2009			
Gasoline (C6-C10)	606	50.0	mg/kg	500	ND	121	65-130	6.75	20	
Diesel (C10-C28)	ND	50.0	"		ND		60-140		25	
Surrogate: o-Terphenyl	49.9		g	50.0		99.8	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

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



Noble Energy Inc.  
804 Grand Avenue  
Platteville CO 80651

Marty Faraguna  
Project Number: N/A  
Project: Kehn USX AD 19-11

### Notes and Definitions

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

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