

District I
1625 N French Dr, Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

30-045-25244 OPERATOR ☐ Initial Report ☒ Final Report

Name of Company	Elm Ridge Exploration Co LLC	Contact	Mack Humphrey
Address	P.O. Box 156 Bloomfield NM 87413	Telephone No.	505-330-9401
Facility Name	Dome Federal 24-21	Facility Type	Oil well
Surface Owner	Federal	Mineral Owner	Federal
		Lease No.	NMNM 110324

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	24	23N	08W	510	North	1920	West	San Juan

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Tank run over	Volume of Release	10 bbls approx	Volume Recovered	10 bbls approx
Source of Release	Tank	Date and Hour of Occurrence	3-21-11 3:30pm	Date and Hour of Discovery	3-21-11 8am
Was Immediate Notice Given?	☒ Yes ☐ No ☐ Not Required	If YES, To Whom?	Brandon Powell		
By Whom?	Richard Graves	Date and Hour	3-21-11 3:30pm	(pumper didn't call until noon)	
Was a Watercourse Reached?	☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.			

RCVD APR 15 '11

OIL CONS. DIV.

DIST. 3

If a Watercourse was Impacted, Describe Fully.* N/A

Describe Cause of Problem and Remedial Action Taken.* Pumper didn't check tank level and tank ran over. Pumper was released. Company meeting was held.

Describe Area Affected and Cleanup Action Taken.*

All oil/water caught inside berm. All oil/water was vacuumed up and soil was remediated and hauled to land farm. We replaced soil w/ fresh from Envirotech's Land farm. (Text attached)

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature	OIL CONSERVATION DIVISION	
Printed Name: Amy Mackey	Approved by District Supervisor:	Jonathan D. Kelly
Title: Administrative Manager	Approval Date: 1/11/2012	Expiration Date:
E-mail Address: amackey1@elmridge.net	Conditions of Approval:	Attached ☐
Date: 4/13/11	Phone: 505-632-3476 x201	

* Attach Additional Sheets If Necessary

nJK 1201136974



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Elm Ridge Resources	Project #:	03056-0304
Sample No.:	1	Date Reported:	4/4/2011
Sample ID:	3' BGS Composite	Date Sampled:	3/28/2011
Sample Matrix:	Soil	Date Analyzed:	3/28/2011
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	1,020	5.0

ND = Parameter not detected at the stated detection limit.

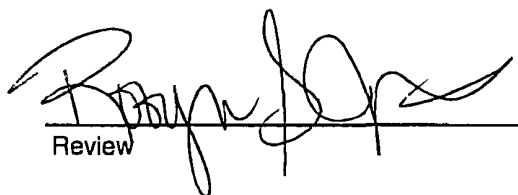
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Dome Federal 24-21**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Crystal Delgai
Printed


Review

Robyn Jones, EIT
Printed



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Elm Ridge Resources	Project #:	03056-0304
Sample No.:	2	Date Reported:	4/4/2011
Sample ID:	North Tank (3' BGS)	Date Sampled:	3/28/2011
Sample Matrix:	Soil	Date Analyzed:	3/28/2011
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

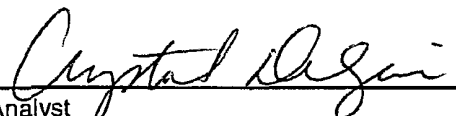
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	80	5.0

ND = Parameter not detected at the stated detection limit.

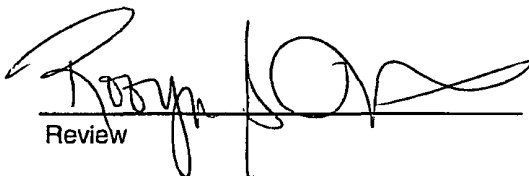
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Dome Federal 24-21**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Crystal Delgai
Printed


Review

Robyn Jones, EIT
Printed



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Elm Ridge Resources	Project #:	03056-0304
Sample No.:	3	Date Reported:	4/4/2011
Sample ID:	South Tank (3.5' BGS)	Date Sampled:	3/28/2011
Sample Matrix:	Soil	Date Analyzed:	3/28/2011
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

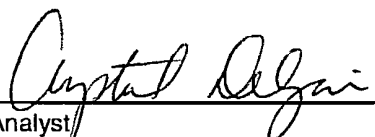
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	84	5.0

ND = Parameter not detected at the stated detection limit.

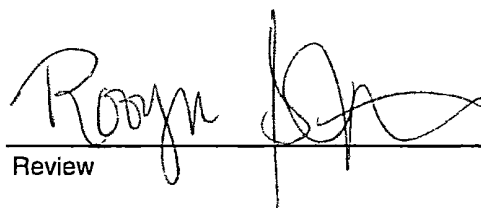
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Dome Federal 24-21**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Crystal Delgai
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Robyn Jones, EIT
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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 28-Mar-11

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	220
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Crystal Delgai
Analyst

4/4/2011
Date

Crystal Delgai
Print Name
[Signature]
Review

4/4/2011
Date

Robyn Jones, EIT
Print Name



envirotech
Analytical Laboratory

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Elm Ridge	Project #:	03056-0304
Sample ID:	3' BGS Surface Composite	Date Reported:	03-29-11
Laboratory Number:	57717	Date Sampled:	03-28-11
Chain of Custody No:	11427	Date Received:	03-28-11
Sample Matrix:	Soil	Date Extracted:	03-28-11
Preservative:	Cool	Date Analyzed:	03-29-11
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	60.9	0.1
Total Petroleum Hydrocarbons	60.9	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Confirmation Sampling/Dome Fed 24-21**

Analyst

Review



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	03-29-11 QA/QC	Date Reported:	03-29-11
Laboratory Number:	57717	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-29-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	03-29-11	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	03-29-11	9.9960E+002	1.0000E+003	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	60.9	60.8	0.2%	0 - 30%

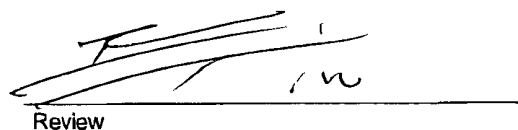
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	254	101%	75 - 125%
Diesel Range C10 - C28	60.9	250	315	101%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 57716-57717, 57721-57722


 Analyst


 Review

CHAIN OF CUSTODY RECORD

11427

505-632-1865

Client: Elm Ridge			Project Name / Location: Confirmation Sampling/Dome Feed 24-21			ANALYSIS / PARAMETERS													
Client Address:			Sampler Name: Crystal Delgari			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.:			Client No.: 03656-0304																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative HgCl ₂ HCl													
3' BGS Surface Composite	3/28/11	11:51	57717	Soil Solid	14oz													Y	Y
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
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				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
Relinquished by: (Signature) Crystal Delgari					Date 3/28/11	Time 15:15	Received by: (Signature) 					Date 3/28/11	Time 15:15						
Relinquished by: (Signature)							Received by: (Signature)												
Relinquished by: (Signature)							Received by: (Signature)												

RUSH



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Analytical Laboratory

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04-05-2011

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