

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax 894-2109



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SITE INVESTIGATION AND REMEDIATION WORKPLAN

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. Form 27 is intended to be used whenever possible. Additional documentation will be required when large volumes of soil and groundwater have been impacted or involve large facilities with multiple source areas. See Rule 910. Attach as many pages as needed to fully describe the proposed work.

CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

☒ Spill or Release ☐ Plug & Abandon ☐ Central Facility Closure ☐ Site/Facility Closure ☐ Other (describe): _____

OGCC Employee:

Remediation #4149

☐ Spill ☐ Complaint
☐ Inspection ☐ NOAV

Tracking No: 1981170

GENERAL INFORMATION

OGCC Operator Number: 10120		Contact Name and Telephone	
Name of Operator: Noble Energy Inc.		Mikel Cox	
Address: 804 Grand Avenue		No: 970-785-5000	
City: Platteville State: CO Zip: 80651		Fax: 970-785-5099	
API/Facility No: 05-123-21609		County: Weld	
Facility Name:		Facility Number:	
Well Name: Lindsay		Well Number: C 33-1,5,9,16,23,24	
Location (QtrQtr, Sec, Twp, Rng, Meridian): NW/SE Sec. 33 T4N, R64W		Latitude: Longitude:	

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc.): condensate

Site Conditions: Is location within a sensitive area (according to Rule 901e)? ☒ Y ☐ N If yes, attach evaluation.

Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.): Pasture

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: sandy loam

Potential receptors (water wells within 1/4 mi, surface waters, etc.): None

Description of Impact (if previously provided, refer to that form or document):

Impacted Media (check):	Extent of Impact:	How Determined:
<input checked="" type="checkbox"/> Soils	Approx. 10' X 15' X 1/2'	Visual; Hanby Kit will be used during excavation to determine extent of impact
<input type="checkbox"/> Vegetation		
<input type="checkbox"/> Groundwater		
<input type="checkbox"/> Surface water		

REMEDIALATION WORKPLAN

Describe initial action taken (if previously provided, refer to that form or document):
Vac truck recovered 6 barrels of condensate.

Describe how source is to be removed: Impacted soil will be excavated and hauled to the Noble Energy landfarm. Field kit analysis (Hanby Kit) will be used to determine the extent of impact.

Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, insitu bioremediation, burning of oily vegetation, etc.:
Impacted soil will be excavated and hauled to the Noble Energy landfarm.



REMEDIAL WORKPLAN (CONT.)

OGCC Employee: _____

Tracking Number: _____
Name of Operator: Noble Energy Inc.
OGCC Operator No: 10120
Received Date: _____
Well Name & No: Lindsay C 33-1,5,9,16,23,24
Facility Name & No.: _____

If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.):

N/A

Describe reclamation plan. Discuss existing and new grade recontouring; method and testing of compaction alleviation; and reseeding program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing. Use additional sheet for description if required.

Excavated soil will be hauled off and new material will be installed in the excavated area. Previously existing grade will be replaced.

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing.

Is further site investigation required? ☐ Y ☒ N If yes, describe:

N/A

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):

All excavated soil will be disposed of at the Noble land farm.

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: 1/22/2008 Date Site Investigation Completed: ongoing Remediation Plan Submitted: 1/28/2008
Remediation Start Date: Est. 2/25/2008 Anticipated Completion Date: 2/25/2008 Actual Completion Date: _____

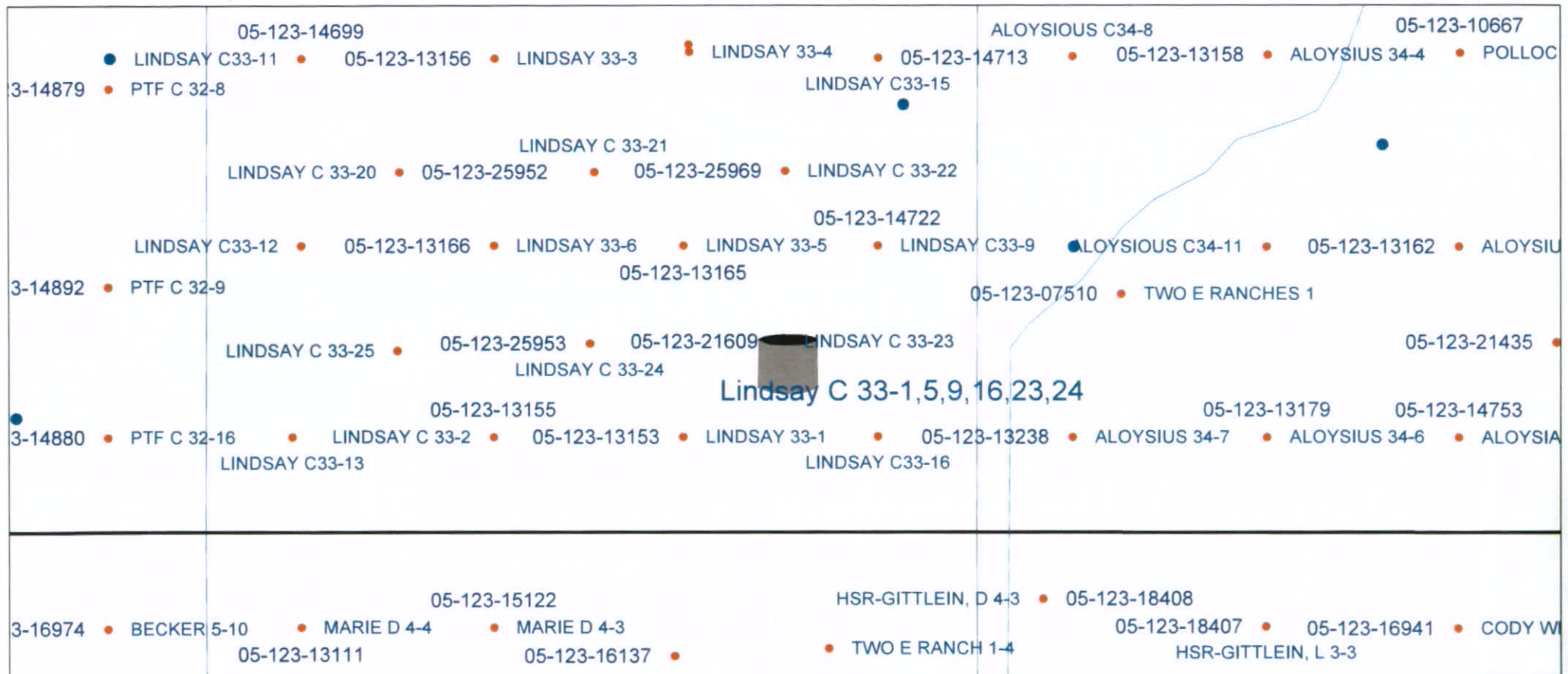
I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Mikel Cox

Signed: [Signature] Title: Environmental Coordinator Date: January 28, 2008

OGCC Approved: _____ Title: _____ Date: _____

COGCC GIS Online



SCALE 1 : 11,521



#4149



01983389

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JAN 31 2008

Pasture ground

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Frac tank

Impacted area

Berm wall

Pit

Pit

Tank battery Area

300 bbl

300 bbl

Lease Road

Sep

Sep

ne noble energy



NOT TO SCALE

DATE

TO

WELL NAME

Lindsay C 33-1,5,9,16,23,24

API #

05-123-13153

QTR/QTR

NW/SE

SEC

33

TWN

4N

RGE

64W

DIRECTIONS

COMMENTS

Splashed out frac tank while breaking freeze

804 Grand Avenue
Platteville, CO 80651

Tel: 970.785.5000
Fax: 970.785.5099

www.nobleenergyinc.com



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JAN 31 2008

COGCC

January 28, 2008

Mr. Randall Ferguson
Department Of Natural Resources
Oil & Gas Conservation Commission
1120 Lincoln St., Suite 801
Denver CO 80203-2136

RE: Lindsay C 33-1,5,9,16,23,24
Form 19 Form & 27 Submittal
Sec.33 T4N R64W
Weld County, Colorado


Dear Mr. Ferguson:

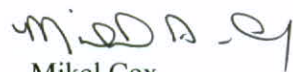
On January 22, 2008, the Noble Energy, Inc. (NEI) environmental department was informed of an approximately 8 barrel (bbl) overflow of condensate at the abovementioned location. All of the material released was contained within the berm. Neither surface water nor groundwater was impacted. After further investigation, it was determined the release occurred because an ice plug came loose while breaking a line freeze, causing oil to blow out of the tank hatch. Once the release was identified, a vacuum truck removed approximately 6 bbls of standing liquid.

As described in the attached Form 19 and Form 27, remediation activities are planned to commence immediately after the frac tank moves off-site, which is estimated to occur at the end of February 2008. Hydrocarbon field kit analysis will assist in the determination of excavated volumes. Impacted soil will be hauled to the NEI land farm in Weld County.

Please contact the NEI environmental department at (970) 785-5025 if you have any questions or require additional information.

Sincerely,


Janelle Wadas
Environmental Engineer


Mikel Cox
Environmental Coordinator

Attachments