

1625 Broadway  
Suite 2200.  
Denver, CO 80202

Tel: 303.228.4000  
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www.nobleenergyinc.com



North America Division

August 20, 2012

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

RE: Form 27, Site Sampling Map, Laboratory Analytical Data and Request For No Further Action  
WPF III A 18-12, -13 Tank Battery  
API 05-123-13197  
SWSW Sec. 19, T6N, R64W  
Weld County, Colorado

Dear Mr. Axelson:

Please find attached a completed form 27, site sampling map and laboratory analytical data for the WPF III A 18-12, -13 tank battery. Based on the site remedial activities and attached laboratory analytical results Noble Energy, Inc. is requesting that the COGCC consider this location closed, requiring no further action.

Noble Energy Inc. would like to claim business confidentiality protection for the information submitted in this letter, the supporting materials attached and all previous and subsequent correspondence related to this matter. Please contact the Noble Energy Environmental Department at (303) 228-4158 if you have any questions or require additional information.

Sincerely,

A handwritten signature in blue ink, appearing to read 'R. Bruner', with a long horizontal flourish extending to the right.

Ryan Bruner  
Environmental and Regulatory Supervisor

Attachments

State of Colorado  
Oil and Gas Conservation Commission

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



FOR OGCC USE ONLY

#7219

RECEIVED  
8/20/2012

## 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.

OGCC Employee:

☒ Spill ☐ Complaint  
☐ Inspection ☐ NOAV

Tracking No: 2229336

## CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

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

## GENERAL INFORMATION

<b>OGCC Operator Number:</b> 100322		<b>Contact Name and Telephone</b>	
Name of Operator: Noble Energy Inc.		Ryan Bruner	
Address: 2115 117th Ave		No: 303-228-4286	
City: Greeley State: CO Zip: 80634		Fax: 303-28-4286	
API/Facility No: 05-123-13197		County: Weld	
Facility Name: WPF III A18-13		Facility Number:	
Well Name: WPF III		Well Number: A18-13	
Location (QtrQtr, Sec, Twp, Rng, Meridian): SWSW Sec. 18, 6N, 64W		Latitude: 40.48049 Longitude: -104.5997	

## TECHNICAL CONDITIONS

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

**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.): Agriculture

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Columbo Clay Loam 0-1% slopes

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Water well 500' east; Loan Tree Creek 1280' east

**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	730 cu yds of impacted soils Approx. 49' x 39' x 11'	Hanby field soil test kit was used during excavation to guide the
<input type="checkbox"/> Vegetation		direction of the excavation. Composite soil samples were gathered
<input type="checkbox"/> Groundwater		and sent to eAnalytics lab to be analyzed for BTEX and TPH.
<input type="checkbox"/> Surface water		Analytical lab data and sample location map is attached.

## REMEDIALATION WORKPLAN

Describe initial action taken (if previously provided, refer to that form or document):  
See Form 19

Describe how source is to be removed: Impacted soil was excavated.

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.:  
Excavated soil was hauled to the Northern Weld Sanitary Landfill, Ault, CO. for disposal.

State of Colorado  
Oil and Gas Conservation Commission

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



REMEDIATION WORKPLAN (CONT.)

OGCC Employee

Tracking Number: \_\_\_\_\_  
Name of Operator: Noble Energy Inc.  
OGCC Operator No: 100322  
Received Date: \_\_\_\_\_  
Well Name & No: WPF III A18-13  
Facility Name & No.: WPF III A18-13 / Location ID 332855

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 was hauled off, the site was backfilled, compacted and recontoured to preexisting grade with clean soils. The site will remain as an oil and gas production gathering facility. Soil analytical lab data and sample location map are attached.

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:

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

All impacted soils were taken to the North Weld Sanitary Land fill, Ault, CO. for proper disposal.

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: <u>6/13/2012</u>	Date Site Investigation Completed: _____	Remediation Plan Submitted: <u>8/20/2012</u>
Remediation Start Date: <u>6/13/2012</u>	Anticipated Completion Date: _____	Actual Completion Date: <u>6/19/2012</u>

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

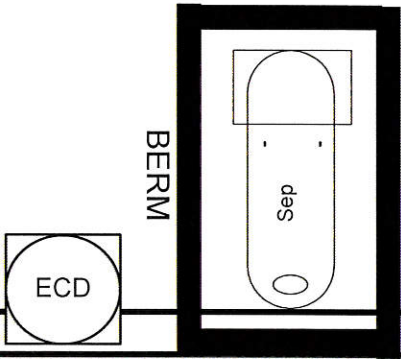
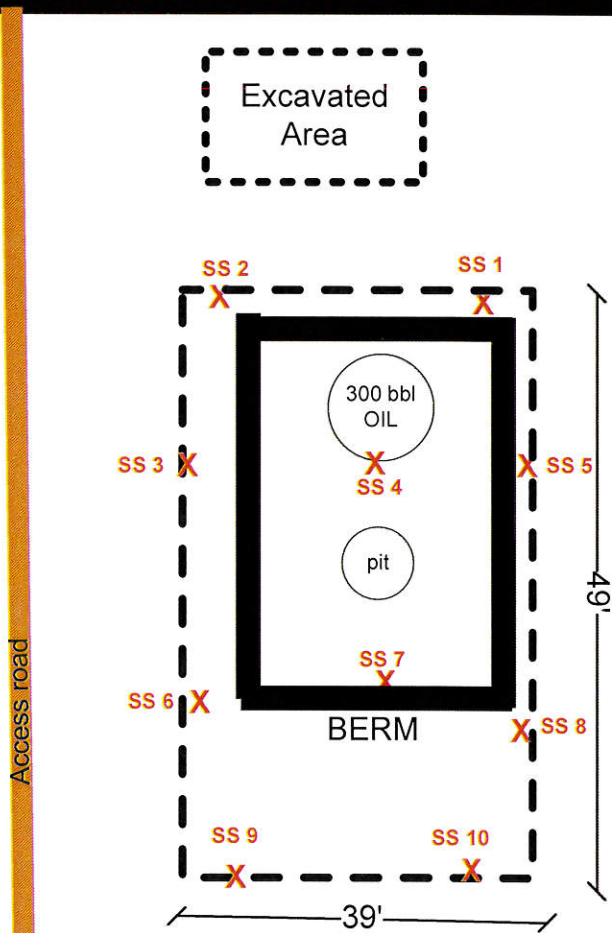
Print Name: Ryan Bruner

Signed: [Signature] Title: Environmental and Regulatory Supervisor Date: 8-20-12

OGCC Approved: [Signature] Title: FOR Date: 08/23/2012

John Axelson  
EPS NE Region

10 composite samples were collected. 8 from the walls and 2 from the floor of the excavation & submitted to eAnalytics Lab to be tested for BTEX, GRO & DRO



NOT TO  
SCALE

WPF III A18-13

# Certificate of Analysis

**e**ANALYTICS  
L A B O R A T O R Y

June 29<sup>th</sup> 2012

Noble Energy, Inc.  
1625 Broadway # 2200  
Denver, CO 80202

Project: WPF III A18-13 (Lab Work Order - 062602)

On June 26<sup>th</sup> of 2012, eAnalytics Laboratory received 10 samples for the project named WPF III A18-13. As stated on the chain of custody, the requested analyses were for the following:

Analysis	EPA Method	Samples
BTEX & GRO	8260C	1-10
DRO	8015C	1-10

All quality control analyses associated with the requested tests were satisfactorily passed before the samples were run. Thank you for allowing eAnalytics Laboratory to provide laboratory services for you. If you have any questions please give us a call, we are happy to help.

Sincerely,



Christopher Dieken  
Quality Assurance Manager  
eAnalytics Laboratory  
(970) 667-6975  
info@eAnalyticsLab.com





Chain of Custody Form

[illegible]

WO # 062602

## eANALYTICS: Environmental testing made Easy

Page / of /

# Certificate of Analysis

## Sample Information

Client: Noble Energy, Inc.  
1625 Broadway # 2200  
Denver, CO 80202

Project: WPF III A18-13

Methods: EPA8260C (Volatile Organics)  
EPA8015C (DRO)

Date Received: 06/26/12

## Soil Sample Analysis

Sample Name	Benzene µg/kg	Ethyl- benzene µg/kg	Toluene µg/kg	Total Xylenes µg/kg	GRO mg/kg	DRO mg/kg	Date Sampled	Date Analyzed	Lab ID
SS-1	169	175	< 10	1524	31.6	14.5	06/18/12	06/27/12	062602-01
SS-2	< 10	32.4	< 10	324	22.6	< 10	06/18/12	06/27/12	062602-02
SS-3	< 10	14.7	< 10	102	12.5	< 10	06/18/12	06/27/12	062602-03
SS-4	< 10	21.0	< 10	160	13.6	< 10	06/18/12	06/27/12	062602-04
SS-5	< 10	< 10	< 10	16.4	9.70	< 10	06/18/12	06/27/12	062602-05
SS-6	50.0	< 10	< 10	23.4	0.83	< 10	06/19/12	06/27/12	062602-06
SS-7	14.6	< 10	< 10	10.4	1.33	< 10	06/19/12	06/27/12	062602-07
SS-8	< 10	< 10	< 10	< 10	< 0.5	< 10	06/19/12	06/27/12	062602-08
SS-9	< 10	< 10	< 10	< 10	0.82	< 10	06/19/12	06/27/12	062602-09
SS-10	< 10	< 10	< 10	12.2	0.70	< 10	06/19/12	06/27/12	062602-10



Laboratory Manager - eAnalytics Laboratory

eAnalytics Laboratory: 1767 Rocky Mountain Avenue Loveland CO 80538 (970) 667-6975  
The results contained within this report relate only to the items analyzed

# Certificate of Analysis

## Sample Information

Client: Noble Energy, Inc.  
1625 Broadway # 2200  
Denver, CO 80202

Project: WPF III A18-13  
Methods: EPA8260C (Volatile Organics)

Date Received: 06/26/12

## Surrogate Recoveries (%)

Sample Name	Dibromofluoromethane Acceptance (70-130%)	1,2-Dichloroethane-D4 Acceptance (70-130%)	Toluene-D8 Acceptance (70-130%)	Bromofluorobenzene Acceptance (70-130%)	Date Sampled	Date Analyzed	Lab ID
SS-1	94	84	107	97	06/18/12	06/27/12	062602-01
SS-2	88	91	109	89	06/18/12	06/27/12	062602-02
SS-3	86	92	105	87	06/18/12	06/27/12	062602-03
SS-4	85	97	107	93	06/18/12	06/27/12	062602-04
SS-5	86	96	107	93	06/18/12	06/27/12	062602-05
SS-6	84	98	107	90	06/19/12	06/27/12	062602-06
SS-7	86	94	101	88	06/19/12	06/27/12	062602-07
SS-8	88	90	101	89	06/19/12	06/27/12	062602-08
SS-9	91	91	103	90	06/19/12	06/27/12	062602-09
SS-10	93	92	104	88	06/19/12	06/27/12	062602-10



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# Certificate of Analysis

## Sample Information

Client: Noble Energy, Inc.  
1625 Broadway # 2200  
Denver, CO 80202

Project: WPF III A18-13

Methods: EPA8260C (Volatile Organics)  
EPA8015C (DRO)

Date Received: 06/26/12

## QA/QC Sample Analysis

Sample Name	Benzene (% Recovery)	Ethyl- benzene (% Recovery)	Toluene (% Recovery)	Total Xylenes (% Recovery)	GRO (% Recovery)	DRO (% Recovery)	Date Sampled	Date Analyzed	Lab ID
Laboratory Control Sample (Acceptable Range 70-130)	94	90	91	98	93	96		06/27/12	L6-27-2
Calibration Check Standard (Acceptable Range 80-120)	91	95	88	95	89	91		06/27/12	C6-27-2
Method Blank	< 10 µg/kg	< 10 µg/kg	< 10 µg/kg	< 10 µg/kg	< 0.5 mg/kg	< 10 mg/kg		06/27/12	B6-27-2

*Todd Rhea*

Laboratory Manager - eAnalytics Laboratory

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