

State of Colorado  
Oil and Gas Conservation Commission  
1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax: (303)894-2109



SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b)

Rec. 3/25/13

1. OGCC Operator Number: 96850	4. Contact Name: Karolina Blaney	Complete the Attachment Checklist OP OGCC
2. Name of Operator: WPX Energy Rocky Mountain, LLC	Phone: 970-683-2295	
3. Address: 1058 County Road 215 City: Parachute State: CO Zip: 81635	Fax: 970-285-9573	
5. API Number 05-045-07742	OGCC Facility ID Number 334895	Survey Plat
6. Well/Facility Name:	7. Well/Facility Number GM 246-1	Directional Survey
8. Location (Qtr, Sec, Twp, Rng, Meridian): SENE, 1, 7S, 96W, 6th PM		Surface Eqpm Diagram
9. County: Garfield	10. Field Name: GRAND VALLEY	Technical Info Page <input checked="" type="checkbox"/>
11. Federal, Indian or State Lease Number:		Other

General Notice

<input type="checkbox"/> CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)	
Change of Surface Footage from Exterior Section Lines:	<input type="checkbox"/> FNL/FSL <input type="checkbox"/> FEL/FWL
Change of Surface Footage to Exterior Section Lines:	
Change of Bottomhole Footage from Exterior Section Lines:	
Change of Bottomhole Footage to Exterior Section Lines:	attach directional survey
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer	
Latitude	Distance to nearest property line
Longitude	Distance to nearest bldg, public rd, utility or RR
Ground Elevation	Distance to nearest lease line
	Is location in a High Density Area (rule 603b)? Yes/No <input type="checkbox"/>
	Distance to nearest well same formation
	Surface owner consultation date:
GPS DATA:	
Date of Measurement	PDOP Reading
	Instrument Operator's Name
<input type="checkbox"/> CHANGE SPACING UNIT	
Formation	Formation Code
Spacing order number	Unit Acreage
	Unit configuration
<input type="checkbox"/> Remove from surface bond	
Signed surface use agreement attached	
<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling):	
Effective Date:	
Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	
<input type="checkbox"/> CHANGE WELL NAME	
From:	NUMBER
To:	
Effective Date:	
<input type="checkbox"/> ABANDONED LOCATION:	
Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date Ready for Inspection:	
<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS	
Date well shut in or temporarily abandoned:	
Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No	
MIT required if shut in longer than two years. Date of last MIT	
<input type="checkbox"/> SPUD DATE:	
<input type="checkbox"/> REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)	
<input type="checkbox"/> SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK	
*submit cbl and cement job summaries	
Method used	Cementing tool setting/perf depth
Cement volume	Cement top
Cement bottom	Date
<input type="checkbox"/> RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.	
Final reclamation will commence on approximately	
<input type="checkbox"/> Final reclamation is completed and site is ready for inspection.	

Technical Engineering/Environmental Notice

<input checked="" type="checkbox"/> Notice of Intent		<input type="checkbox"/> Report of Work Done	
Approximate Start Date: 4/1/13		Date Work Completed:	
Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)			
<input type="checkbox"/> Intent to Recombine (submit form 2)	<input type="checkbox"/> Request to Vent or Flare	<input checked="" type="checkbox"/> E&P Waste Disposal	
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste	
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested	<input type="checkbox"/> Status Update/Change of Remediation Plans	
<input type="checkbox"/> Casing/Cementing Program Change	<input type="checkbox"/> Other:	for Spills and Releases	

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

Signed: Karolina Blaney Date: 3/20/2013 Email: karolina.blaney@wpxenergy.com  
Print Name: Karolina Blaney Title: Environmental Specialist

COGCC Approved: [Signature] Title: Env. Secy Date: 3/28/13  
CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number: 96850 API Number: 05-045-07742
2. Name of Operator: WPX Energy Rocky Mountain, LLC OGCC Facility ID # 334895
3. Well/Facility Name: \_\_\_\_\_ Well/Facility Number: GM 246-1
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): SENE, 1, 7S, 96W, 6th PM

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. DESCRIBE PROPOSED OR COMPLETED OPERATIONS

This Form 4 is being submitted for a prior approval to move and treat E&P Waste for a Thermal Pilot Study. Treatment of the E&P Waste will take place on the GM 246-1 (COGCC location # 334895). Approximately 6 to 10 cubic yards of E&P Waste will be removed from each of the following locations:

- KP 31-7, COGCC location #: 323844, Location: SWNE S17 T6S R91W 6th PM
- KP 24-8, COGCC location #: 336009, Location: SESW S8 T6S R91W 6th PM
- Parachute Centralized E&P WMF, COGCC location #: 149015, Location: SWSW 36 6S 96W 6th PM

WPX owns the surface rights on the location where the treatment will take place. The E&P waste is not subject/related to a Form 19, 27, Remediation Plan, or Waste Management Plan.

The treatment area and E&P waste storage area will be leveled and will be surrounded by a earthen berm to contain impacted material and potential precipitation runoff. One multi-point composite sample will be collected from each individual E&P Waste Stream, and analyzed for full COGCC Table 910-1 prior to treatment.

Equipment will extract approximately 0.75 cy/treatment of material from the individual stockpiles contained within the earthen berm on the GM 246-4 and dump into a thermal treatment hopper. Material will be loaded into heat resistant material hoppers and placed into a heating chamber of the thermal oxidizer with a skid loader. Electronically controlled direct fired natural gas burners modulate the temperature within the residence chamber, and the subject waste stream will be temperature controlled to accelerate the distillation and incineration process of hydrocarbon impacted soils. The material will be treated for a period of time (15 to 45 minutes) depending on the initial concentration of TPH in the E&P Waste. Following treatment, the material will be stockpiled, and sampled to evaluate TPH and organic reductions achieved at the various treatment times. Another 2-3 treatment applications will take place at varying treatment times (15 vs. 45 min) to evaluate optimal treatment times. These treatment times will be monitored and adjusted in the field as conditions, and testing necessitates. The pilot test with a variety of material types will be ran at multiple residence times per waste stream to determine the proper operational time for hydrocarbon reductions.

One multipoint composite sample will be collected from each post treatment pile and analyzed for Full COGCC Table 910-1. If analytical results indicate the treated material is within COGCC Table 910-1 for TPH and PAH's the material will be incorporated as a beneficial use on the GM 246-1 (COGCC location # 334895). If the treated material is above COGCC Table 910-1 for organic constituents (TPH and PAH's) the material will be properly disposed of at a waste disposal facility. Transportation, storage, and treatment will comply with all applicable state and federal regulations.

KP 32-17 = sludge and tank bottoms / filter cake

KP 24-8 = frac sand

Parachute CE&P = solids / filter press

GM 246-1 = separator / produced tank filter cake

732  
Per  
Tel 2 con w/ K.B.  
3/28/13  
JW





# Legend

- Existing Road
- Existing Pad

## Waste Streams Location Map

March 20, 2013



0 400 800 1,600 Feet





State  
of  
Colorado

Fischer - DNR, Alex <alex.fischer@state.co.us>

---

## WPX - thermal desorption test Form 4

1 message

---

**Blaney, Karolina** <Karolina.Blaney@wpxenergy.com>  
To: "Alex.Fischer@state.co.us" <Alex.Fischer@state.co.us>

Mon, Mar 25, 2013 at 3:43 PM

Alex,

Attached is the form 4 submitted for the approval to test thermal desorption soil treatment of four different waste streams: frac sand and three different types of sludge. The pilot test would be set up on WPX land, on one of the WPX well pads. The location information, quantities, and treatment details are included in the submittal. We were hoping to move the waste streams first thing this week and start the treatment next week....

Please let me know if you need any additional information in order to approve this submittal.

Thank you so much for your help,

*Karolina Blaney*

Environmental Specialist

WPX Energy

Office: (970) 683-2295

Cell: (970) 589-0743

Fax: (970) 285-9573

karolina.blaney@wpxenergy.com

---

**From:** Blaney, Karolina  
**Sent:** Wednesday, March 20, 2013 11:19 AM  
**To:** 'Chris Canfield - DNR'  
**Subject:** WPX submittals pending approval

Chris,

I am trying to make this as convenient as possible for you by combining three outstanding submittals and one

new one that are pending your approval:

- MV 25-17 – Form 27 and Form 4 – these two forms were already discussed during the March 13 meeting and are ready for your signature
- GM 21-2 – Form 27 remediation workplan – this plan was submitted in December. We would like to move forward with an in-situ treatment of a condensate spill that occurred at that location.
- GM 246-1 – Form 4 plan for the thermal desorption soil treatment – I briefly discussed this submittal with you after the March 13<sup>th</sup> meeting and I included all the information that you requested

Please let me know if you need any additional information in order to approve these submittals.

Thank you and have a great day,

*Karolina Blaney*

Environmental Specialist

WPX Energy

Office: (970) 683-2295

Cell: (970) 589-0743

Fax: (970) 285-9573

karolina.blaney@wpxenergy.com



**WPX soil treatment pilot test GM 246-1- Form 4.pdf**  
961K