

FORM  
4  
Rev 12/05

## 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.)

RECEIVED  
10/31/2012

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 05-045-12592	OGCC Facility ID Number 334689	Survey Plat
6. Well/Facility Name:	7. Well/Facility Number SG 14-23	Directional Survey
8. Location (QtrQtr, Sec, Twp, Rng, Meridian): SWSW 23 7S 96W 6 pm		Surface Eqpm Diagram
9. County: Garfield	10. Field Name: Grand Valley	Technical Info Page
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/SL <input type="checkbox"/> FEL/FWL
Change of Surface Footage to Exterior Section Lines:	<input type="checkbox"/> <input type="checkbox"/>
Change of Bottomhole Footage from Exterior Section Lines:	<input type="checkbox"/> <input type="checkbox"/>
Change of Bottomhole Footage to Exterior Section Lines:	<input type="checkbox"/> <input type="checkbox"/> 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
	Distance to nearest well same formation
	Surface owner consultation date:
GPS DATA:	
Date of Measurement	PDOF Reading
	Instrument Operator's Name
<input type="checkbox"/> CHANGE SPACING UNIT	<input type="checkbox"/> Remove from surface bond
Formation Formation Code Spacing order number Unit Acreage Unit configuration	Signed surface use agreement attached
<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling):	<input type="checkbox"/> CHANGE WELL NAME
Effective Date:	From:
Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	To:
	Effective Date:
<input type="checkbox"/> ABANDONED LOCATION:	<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS
Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No	Date well shut in or temporarily abandoned:
Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No	Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No
Date Ready for inspection:	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 type="checkbox"/> Notice of Intent	<input type="checkbox"/> Report of Work Done
Approximate Start Date:	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 Recomplete (submit form 2)	<input type="checkbox"/> Request to Vent or Flare
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested
<input type="checkbox"/> Casing/Cementing Program Change	<input checked="" type="checkbox"/> Other: Background
	E&P Waste Disposal
	Beneficial Reuse of E&P Waste
	Status Update/Change of Remediation Plans
	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  
Print Name: Karolina Blaney

Date: 10/31/2012 Email: Karolina.Blaney@wpxenergy.com

Title: Environmental Specialist

COGCC Approved:

Title:

Date:

CONDITIONS OF APPROVAL, IF ANY:

FOR  
Chris Camfield  
EPS NW Region

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number:	_____	API Number:	_____
2. Name of Operator:	_____	OGCC Facility ID #	_____
3. Well/Facility Name:	_____	Well/Facility Number:	_____
4. Location (QtrQtr, Sec, Twp, Rng, Meridian):			

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



## Legend

- Sample Location
- Existing Road
- Existing Pad Limit of Disturbance

**SG 14-23**  
**Arsenic Background Sample Location Map**  
**T7S R96W, Section 23**

**October 3, 2012**





12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
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1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Karolina Blaney  
WPX Energy  
1058 County Road 215  
Parachute, CO 81635

## Report Summary

Friday October 12, 2012

Report Number: L599128

Samples Received: 10/04/12

Client Project:

Description: SG 14-23 Cuttings

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

T. Alan Harvill , ESC Representative

### Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,  
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,  
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,  
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,  
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,  
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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REPORT OF ANALYSIS

Karolina Blaney  
WPX Energy  
1058 County Road 215  
Parachute, CO 81635

October 12, 2012

Date Received : October 04, 2012  
Description : SG 14-23 Cuttings  
Sample ID : SG 14-23  
Collected By :  
Collection Date : 10/02/12 13:00

ESC Sample # : L599128-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	0.0045	0.0025	mg/kg	8021/8015	10/05/12	5
Toluene	BDL	0.025	mg/kg	8021/8015	10/05/12	5
Ethylbenzene	BDL	0.0025	mg/kg	8021/8015	10/05/12	5
Total Xylene	BDL	0.0075	mg/kg	8021/8015	10/05/12	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	10/05/12	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	97.3		% Rec.	8021/8015	10/05/12	5
a,a,a-Trifluorotoluene(PID)	104.		% Rec.	8021/8015	10/05/12	5
TPH (GC/FID) High Fraction	5.7	4.0	mg/kg	3546/DRO	10/05/12	1
Surrogate recovery(%)						
o-Terphenyl	53.1		% Rec.	3546/DRO	10/05/12	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.0060	mg/kg	8270C-SIM	10/11/12	1
Acenaphthene	BDL	0.0060	mg/kg	8270C-SIM	10/11/12	1
Benzo(a)anthracene	BDL	0.0060	mg/kg	8270C-SIM	10/11/12	1
Benzo(a)pyrene	BDL	0.0060	mg/kg	8270C-SIM	10/11/12	1
Benzo(b)fluoranthene	BDL	0.0060	mg/kg	8270C-SIM	10/11/12	1
Benzo(k)fluoranthene	BDL	0.0060	mg/kg	8270C-SIM	10/11/12	1
Chrysene	BDL	0.0060	mg/kg	8270C-SIM	10/11/12	1
Dibenz(a,h)anthracene	BDL	0.0060	mg/kg	8270C-SIM	10/11/12	1
Fluoranthene	BDL	0.0060	mg/kg	8270C-SIM	10/11/12	1
Fluorene	0.013	0.0060	mg/kg	8270C-SIM	10/11/12	1
Indeno(1,2,3-cd)pyrene	BDL	0.0060	mg/kg	8270C-SIM	10/11/12	1
Naphthalene	0.18	0.0060	mg/kg	8270C-SIM	10/11/12	1
Pyrene	BDL	0.0060	mg/kg	8270C-SIM	10/11/12	1
Surrogate Recovery						
Nitrobenzene-d5	87.6		% Rec.	8270C-SIM	10/11/12	1
2-Fluorobiphenyl	87.1		% Rec.	8270C-SIM	10/11/12	1
p-Terphenyl-d14	75.0		% Rec.	8270C-SIM	10/11/12	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 10/12/12 11:02 Printed: 10/12/12 11:03



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# REPORT OF ANALYSIS

Karolina Blaney  
 WPX Energy  
 1058 County Road 215  
 Parachute, CO 81635

October 12, 2012

Date Received : October 04, 2012  
 Description : SG 14-23 Cuttings  
 Sample ID : SG 14-23  
 Collected By :  
 Collection Date : 10/02/12 13:00

ESC Sample # : L599128-02  
 Site ID :  
 Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chromium, Hexavalent	BDL	2.0	mg/kg	3060A/7196A	10/10/12	1
Chromium, Trivalent	15.	2.0	mg/kg	Calc.	10/07/12	1
ORP	200		mV	2580	10/05/12	1
pH	9.2		su	9045D	10/09/12	1
Sodium Adsorption Ratio	18.			Calc.	10/09/12	1
Specific Conductance	3400		umhos/cm	9050AMod	10/11/12	1
Mercury	0.022	0.020	mg/kg	7471	10/06/12	1
Arsenic	5.5	1.0	mg/kg	6010B	10/07/12	1
Barium	3000	0.25	mg/kg	6010B	10/07/12	1
Cadmium	0.36	0.25	mg/kg	6010B	10/07/12	1
Chromium	15.	0.50	mg/kg	6010B	10/07/12	1
Copper	16.	1.0	mg/kg	6010B	10/07/12	1
Lead	15.	0.25	mg/kg	6010B	10/07/12	1
Nickel	13.	1.0	mg/kg	6010B	10/07/12	1
Selenium	BDL	1.0	mg/kg	6010B	10/07/12	1
Silver	BDL	1.0	mg/kg	6010B	10/07/12	2
Zinc	53.	1.5	mg/kg	6010B	10/07/12	1

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 Det. Limit - Practical Quantitation Limit(PQL)  
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 .  
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 L599128-02 (PH) - 9.2@21.8c



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REPORT OF ANALYSIS

October 12, 2012

Karolina Blaney  
WPX Energy  
1058 County Road 215  
Parachute, CO 81635

Date Received : October 04, 2012  
Description : SG 14-23 Cuttings  
Sample ID : SG 14-23-B-1  
Collected By :  
Collection Date : 10/02/12 13:20

ESC Sample # : L599128-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	4.2	1.0	mg/kg	6010B	10/08/12	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

October 12, 2012

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WPX Energy  
1058 County Road 215  
Parachute, CO 81635

Date Received : October 04, 2012  
Description : SG 14-23 Cuttings  
Sample ID : SG 14-23-B-2  
Collected By :  
Collection Date : 10/02/12 13:25

ESC Sample # : L599128-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	1.3	1.0	mg/kg	6010B	10/08/12	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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# REPORT OF ANALYSIS

October 12, 2012

Karolina Blaney  
WPX Energy  
1058 County Road 215  
Parachute, CO 81635

Date Received : October 04, 2012  
Description : SG 14-23 Cuttings  
Sample ID : SG 14-23-B-3  
Collected By :  
Collection Date : 10/02/12 13:30

ESC Sample # : L599128-05

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	2.7	1.0	mg/kg	6010B	10/08/12	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

October 12, 2012

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WPX Energy  
1058 County Road 215  
Parachute, CO 81635

Date Received : October 04, 2012  
Description : SG 14-23 Cuttings  
Sample ID : SG 14-23-B-4  
Collected By :  
Collection Date : 10/02/12 13:35

ESC Sample # : L599128-06

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	5.2	1.0	mg/kg	6010B	10/10/12	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

October 12, 2012

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1058 County Road 215  
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Date Received : October 04, 2012  
Description : SG 14-23 Cuttings  
Sample ID : SG 14-23-B-5  
Collected By :  
Collection Date : 10/02/12 13:40

ESC Sample # : L599128-07

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	4.6	1.0	mg/kg	6010B	10/10/12	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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# ALS Group USA, Corp

Date: 19-Oct-12

Client: HRL Compliance Solutions

Project: WPX SG 14-23 Backgrounds 10/11/12

Work Order: 1210463

Sample ID: SG 14-23-B-6

Lab ID: 1210463-01

Collection Date: 10/11/2012 04:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>10/16/2012</b>	Analyst: <b>CES</b>
Arsenic	5.4		0.74	mg/Kg-dry	2	10/17/2012 12:56 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>LR</b>
Moisture	1.2		0.050	% of sample	1	10/15/2012 04:10 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group USA, Corp

Date: 19-Oct-12

**Client:** HRL Compliance Solutions

**Project:** WPX SG 14-23 Backgrounds 10/11/12

**Work Order:** 1210463

**Sample ID:** SG 14-23-B-7

**Lab ID:** 1210463-02

**Collection Date:** 10/11/2012 04:05 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>10/17/2012</b>	Analyst: <b>CES</b>
Arsenic	4.8		1.9	mg/Kg-dry	5	10/18/2012 11:35 AM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>LR</b>
Moisture	2.3		0.050	% of sample	1	10/15/2012 04:10 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group USA, Corp

Date: 19-Oct-12

**Client:** HRL Compliance Solutions

**Project:** WPX SG 14-23 Backgrounds 10/11/12

**Work Order:** 1210463

**Sample ID:** SG 14-23-B-8

**Lab ID:** 1210463-03

**Collection Date:** 10/11/2012 04:10 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>10/17/2012</b>	Analyst: <b>CES</b>
Arsenic	4.8		1.8	mg/Kg-dry	5	10/18/2012 11:40 AM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>LR</b>
Moisture	2.2		0.050	% of sample	1	10/15/2012 04:10 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group USA, Corp

Date: 19-Oct-12

**Client:** HRL Compliance Solutions

**Project:** WPX SG 14-23 Backgrounds 10/11/12

**Work Order:** 1210463

**Sample ID:** SG 14-23-B-9

**Lab ID:** 1210463-04

**Collection Date:** 10/11/2012 04:15 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>10/17/2012</b>	Analyst: <b>CES</b>
Arsenic	5.4		1.7	mg/Kg-dry	5	10/18/2012 11:45 AM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>LR</b>
Moisture	2.1		0.050	% of sample	1	10/15/2012 04:10 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

## ALS Group USA, Corp

Date: 19-Oct-12

**Client:** HRL Compliance Solutions

**Project:** WPX SG 14-23 Backgrounds 10/11/12

**Work Order:** 1210463

**Sample ID:** SG 14-23-B-10

**Lab ID:** 1210463-05

**Collection Date:** 10/11/2012 04:20 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: <b>10/17/2012</b>	Analyst: <b>CES</b>
Arsenic	5.5		1.7	mg/Kg-dry	5	10/18/2012 11:50 AM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>LR</b>
Moisture	1.3		0.050	% of sample	1	10/15/2012 09:30 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.