

State of Colorado  
Oil and Gas Conservation Commission

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



DOCUMENT  
#2232949

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  
5/13/2013

1. OGCC Operator Number: 96850		4. Contact Name		Complete the Attachment Checklist  OP OGCC
2. Name of Operator: WPX Energy Rocky Mountain, LLC		Karolina Blaney		
3. Address: 1058 County Road 215		Phone: 970.683.2295		
City: Parachute State: CO Zip: 81635		Fax: 970.285.9573		
5. API Number 05- 045-06563		OGCC Facility ID Number 311560		Survey Plat
6. Well/Facility Name: MV 25-17		7. Well/Facility Number MV 25-17		Directional Survey
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): SESE, S17, T6S, R96W, 6th PM				Surface Eqpm Diagram
9. County: Garfield		10. Field Name: Grand Valley		Technical Info Page
11. Federal, Indian or State Lease Number: NA				Other

General Notice

☐ 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:

Change of Surface Footage to Exterior Section Lines:

Change of Bottomhole Footage from Exterior Section Lines:

Change of Bottomhole Footage to Exterior Section Lines:

Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer

Latitude

Longitude

Ground Elevation

Distance to nearest property line

Distance to nearest lease line

Distance to nearest well same formation

Distance to nearest bldg, public rd, utility or RR

Is location in a High Density Area (rule 603b)?

Surface owner consultation date:

Yes/No

attach directional survey

GPS DATA:

Date of Measurement PDOP Reading Instrument Operator's Name

☐ CHANGE SPACING UNIT

Formation Formation Code Spacing order number Unit Acreage Unit configuration

☐ Remove from surface bond

Signed surface use agreement attached

☐ CHANGE OF OPERATOR (prior to drilling):

Effective Date:

Plugging Bond: Blanket Individual

☐ CHANGE WELL NAME

From:

To:

Effective Date:

NUMBER

☐ ABANDONED LOCATION:

Was location ever built? Yes No

Is site ready for Inspection? Yes No

Date Ready for Inspection:

☐ NOTICE OF CONTINUED SHUT IN STATUS

Date well shut in or temporarily abandoned:

Has Production Equipment been removed from site? Yes No

MIT required if shut in longer than two years. Date of last MIT

☐ SPUD DATE:

☐ REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)

☐ 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

☐ RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.

Final reclamation will commence on approximately

Final reclamation is completed and site is ready for inspection.

Technical Engineering/Environmental Notice

☐ Notice of Intent

Approximate Start Date:

☐ Report of Work Done

Date Work Completed:

Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)

☐ Intent to Recomplete (submit form 2)

☐ Request to Vent or Flare

☐ E&P Waste Disposal

☐ Change Drilling Plans

☐ Repair Well

☐ Beneficial Reuse of E&P Waste

☐ Gross Interval Changed?

☐ Rule 502 variance requested

☒ Status Update/Change of Remediation Plans

☐ Casing/Cementing Program Change

☐ 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: 5/13/2013 Email: Karolina.Blaney@wpxenergy.com  
Print Name: Karolina Blaney Title: Environmental Specialist

COGCC Approved: Title: Date:

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



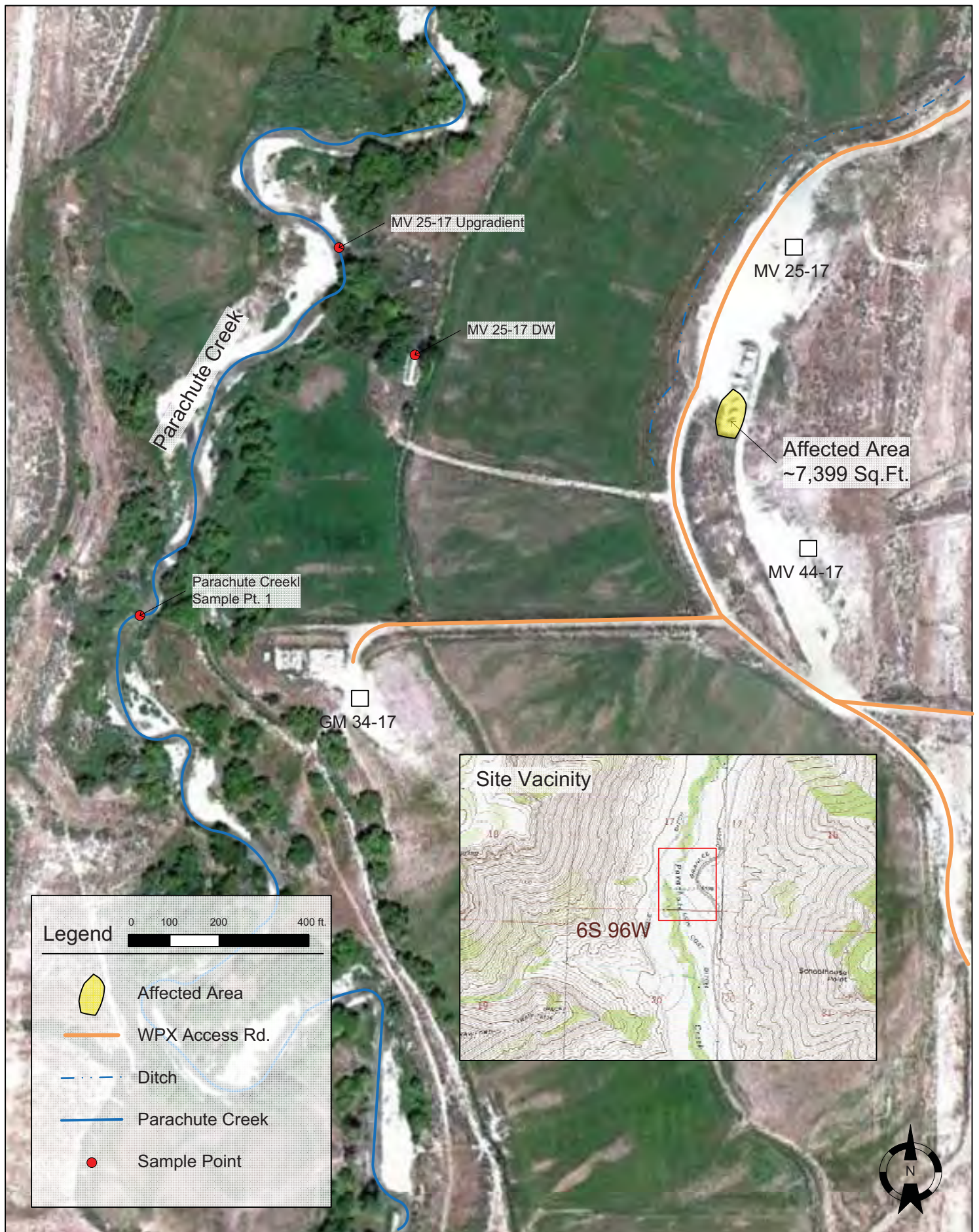
FOR OGCC USE ONLY

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





PROJECT NO: 012-1538  
 DRAWN BY: KJG  
 DATE: 11/12/12

Surface Water Sample Location Map  
**Location: MV 25-17**  
 WPX Energy Rocky Mountain, LLC

**OLSSON**  
 ASSOCIATES

826 21½ Road  
 Grand Junction, CO 81505  
 TEL 970.263.7800  
 FAX 970.263.7456

FIGURE  
**5**



05/02/13

## Technical Report for

**WPX Energy Rocky Mountain, LLC**

**CORCCOGJ: MV 25-17 Water Sampling**

**NXEEPPARACH**

**Accutest Job Number: D45678**

**Sampling Date: 04/26/13**

### Report to:

Olsson Associates  
760 Horizon Drive Suite 102  
Grand Junction, CO 81505  
tdobransky@olssonassociates.com; karolina.blaney@wpxenergy.com  
ATTN: Tim Dobransky

**Total number of pages in report: 16**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

A handwritten signature in black ink, appearing to read "Scott Heideman".

**Scott Heideman**  
**Laboratory Director**

**Client Service contact: Renea Jackson 303-425-6021**

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.  
Test results relate only to samples analyzed.

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Sample Summary

WPX Energy Rocky Mountain, LLC

Job No: D45678

CORCCOGJ: MV 25-17 Water Sampling  
Project No: NXEEPPARACH

Sample Number	Collected		Time By	Received	Matrix		Client Sample ID
	Date				Code	Type	
D45678-1	04/26/13	09:35	TD	04/30/13	AQ	Ground Water	MW 25-17 DW
D45678-2	04/26/13	09:45	TD	04/30/13	AQ	Surface Water	PARACHUTE CREEK SAMPLE PT1
D45678-3	04/26/13	10:20	TD	04/30/13	AQ	Surface Water	MV 25-17 UPGRADIENT



## CASE NARRATIVE / CONFORMANCE SUMMARY

**Client:** WPX Energy Rocky Mountain, LLC

**Job No** D45678

**Site:** CORCCOGJ: MV 25-17 Water Sampling

**Report Date** 5/2/2013 9:54:10 AM

On 04/30/2013, 3 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 1.4 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D45678 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

### Volatiles by GCMS By Method SW846 8260B

**Matrix** AQ

**Batch ID:** V3V1422

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D45719-1MS, D45719-1MSD were used as the QC samples indicated.
- D45678-1,2,3: The pH of the sample aliquot for VOA analysis was >2 at time of analysis.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Summary of Hits

Job Number: D45678  
Account: WPX Energy Rocky Mountain, LLC  
Project: CORCCOGJ: MV 25-17 Water Sampling  
Collected: 04/26/13



Lab Sample ID	Client Sample ID	Result/ Analyte	RL	MDL	Units	Method
---------------	------------------	--------------------	----	-----	-------	--------

D45678-1 MW 25-17 DW

No hits reported in this sample.

D45678-2 PARACHUTE CREEK SAMPLE PT1

No hits reported in this sample.

D45678-3 MV 25-17 UPGRADIENT

No hits reported in this sample.



Sample Results

Report of Analysis

## Report of Analysis

<b>Client Sample ID:</b>	MW 25-17 DW	<b>Date Sampled:</b>	04/26/13
<b>Lab Sample ID:</b>	D45678-1	<b>Date Received:</b>	04/30/13
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	CORCCOGJ: MV 25-17 Water Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	3V24092.D	1	04/30/13	BR	n/a	n/a	V3V1422
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

## Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.33	ug/l	
1330-20-7	Xylene (total)	ND	3.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		62-130%
2037-26-5	Toluene-D8	108%		70-130%
460-00-4	4-Bromofluorobenzene	97%		69-130%

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	PARACHUTE CREEK SAMPLE PT1	<b>Date Sampled:</b>	04/26/13
<b>Lab Sample ID:</b>	D45678-2	<b>Date Received:</b>	04/30/13
<b>Matrix:</b>	AQ - Surface Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	CORCCOGJ: MV 25-17 Water Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	3V24093.D	1	04/30/13	BR	n/a	n/a	V3V1422
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

## Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.33	ug/l	
1330-20-7	Xylene (total)	ND	3.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		62-130%
2037-26-5	Toluene-D8	107%		70-130%
460-00-4	4-Bromofluorobenzene	96%		69-130%

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	MV 25-17 UPGRADIENT	<b>Date Sampled:</b>	04/26/13
<b>Lab Sample ID:</b>	D45678-3	<b>Date Received:</b>	04/30/13
<b>Matrix:</b>	AQ - Surface Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	CORCCOGJ: MV 25-17 Water Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	3V24094.D	1	05/01/13	BR	n/a	n/a	V3V1422
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

## Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.33	ug/l	
1330-20-7	Xylene (total)	ND	3.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		62-130%
2037-26-5	Toluene-D8	107%		70-130%
460-00-4	4-Bromofluorobenzene	95%		69-130%

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody





# WPX CHAIN OF CUSTODY

PAGE 1 OF 1

4036 Youngfield Street, Wheat Ridge, CO 80033  
TEL: 303-425-6021 FAX: 303-425-6854  
www.accutest.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # <b>045678</b>

Client / Reporting Information		Project Information										Requested Analysis (see TEST CODE sheet)										Matrix Codes						
Company Name <b>Olsson Associates</b>		Project Name: <b>CORCCOGJ:</b>										<b>BTEX (8260B)</b>										DW - Drinking Water GW - Ground Water WW - Wastewater SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Tin Blank						
Street Address <b>760 Horizon Drive Ste 102</b>		Billing Information (If different from Report to)																										
City <b>Grand Junction, CO 81506</b>		Company Name <b>WPX Energy Rocky Mountain, LLC (WILLCOP)</b>																										
Project Contact Email <b>Tim Dobransky tdobransky@olssonassociates.com</b>		Street Address <b>1058 County Road 215</b>																										
Phone # <b>970-263-7800</b>		City <b>Parachute, CO 81635</b>																										
Sample(s) Name(s) <b>TIA DOBRANSKY</b>		Project #		Client Purchase Order #		Project Manager		Attention:		Email Invoices: <b>Leo.Braun@wpxenergy.com</b>												LAB USE ONLY						
Accutest Sample #	Field ID / Point of Collection	MECH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MECH	ENCORE													
	<b>MV 25-17 DW</b>		4/26/13	<b>0935</b>	TPD	GW	3						3			<b>X</b>												
	<b>Parachute Creek Sample PT1</b>		4/26/13	<b>0945</b>	TPD	SW	3						3			<b>X</b>												
	<b>MV 25-17 Upgradient</b>		4/26/13	<b>1020</b>	TPD	SW	3						3			<b>X</b>												
																											01	
																											02	
																											03	
																											JP	
																											4/30/13	
Turnaround Time (Business days)		Data Deliverable Information										Comments / Special Instructions																
<input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input checked="" type="checkbox"/> 3 Business Day Std. (per contract) <input type="checkbox"/> 3 Day Emergency <input type="checkbox"/> 2 Day Emergency <input type="checkbox"/> 1 Day Emergency <input type="checkbox"/> Emergency & Rush T/A data available VIA Lablink		Approved By (Accutest PM): / Date:  JGM 12/8/12										<input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> COMMBN <input type="checkbox"/> COMMBN+  Commercial "A" = Results Only Commercial "B" = Results + QC Summary Commercial BN = Results/QC/Narrative (+ = chromatogram)  <input type="checkbox"/> State Forms Required <input type="checkbox"/> Send Forms to State <input type="checkbox"/> Report by Fax <input checked="" type="checkbox"/> Report by PDF <input type="checkbox"/> EDD Format  Also email final report to: <b>Karolina.Blaney@wpxenergy.com</b>																
Sample Custody must be documented below each time samples change possession, including courier delivery.																												
Relinquished by:	Date/Time: <b>4/29/13 1700</b>	Received By: <b>1 Jacob Braun</b>	Date/Time: <b>4/30/13 1015</b>	Relinquished By: <b>2</b>	Date/Time:	Received By: <b>2</b>																						
Relinquished by: <b>3</b>	Date/Time:	Received By: <b>3</b>	Date/Time:	Relinquished By: <b>4</b>	Date/Time:	Received By: <b>4</b>																						
Relinquished by: <b>5</b>	Date/Time:	Received By: <b>5</b>	Date/Time:	Custody Seal # <b>PX</b>	Intact <input checked="" type="checkbox"/> Not Intact <input type="checkbox"/>	Preserved where applicable <input checked="" type="checkbox"/>	On Ice <input checked="" type="checkbox"/>	Cooler Temp. <b>1.4</b>																				

D45678: Chain of Custody

Page 1 of 2

# Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D45678

Client: OLSSON ASS.

Immediate Client Services Action Required: No

Date / Time Received: 4/30/2013 10:15:00 AM

No. Coolers: 1

Client Service Action Required at Login: No

Project: MV 25-17 WATER SAMPLE

Airbill #'s: FEDEX

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/>		<input type="checkbox"/>

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Cooler temp verification:			Infrared gun
3. Cooler media:			Ice (bag)

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input type="checkbox"/>	
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input type="checkbox"/>	
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Condition of sample:			Intact

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume rec'd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

Accutest Laboratories  
V:(303) 425-6021

4036 Youngfield Street  
F: (303) 425-6854

Wheat Ridge, CO  
www.accutest.com

## GC/MS Volatiles

### QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

## Method Blank Summary

Page 1 of 1

**Job Number:** D45678  
**Account:** WILLCOP WPX Energy Rocky Mountain, LLC  
**Project:** CORCCOGJ: MV 25-17 Water Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V1422-MB	3V24080.D	1	04/30/13	BR	n/a	n/a	V3V1422

The QC reported here applies to the following samples:

Method: SW846 8260B

D45678-1, D45678-2, D45678-3

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.27	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.33	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Limits
17060-07-0	1,2-Dichloroethane-D4	118% 62-130%
2037-26-5	Toluene-D8	109% 70-130%
460-00-4	4-Bromofluorobenzene	94% 69-130%

## Blank Spike Summary

Page 1 of 1

**Job Number:** D45678

**Account:** WILLCOP WPX Energy Rocky Mountain, LLC

**Project:** CORCCOGJ: MV 25-17 Water Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V1422-BS	3V24081.D	1	04/30/13	BR	n/a	n/a	V3V1422

The QC reported here applies to the following samples:

Method: SW846 8260B

D45678-1, D45678-2, D45678-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	51.8	104	70-130
100-41-4	Ethylbenzene	50	52.9	106	70-130
108-88-3	Toluene	50	53.5	107	70-130
1330-20-7	Xylene (total)	150	153	102	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	117%	62-130%
2037-26-5	Toluene-D8	110%	70-130%
460-00-4	4-Bromofluorobenzene	103%	69-130%

\* = Outside of Control Limits.



# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

**Job Number:** D45678  
**Account:** WILLCOP WPX Energy Rocky Mountain, LLC  
**Project:** CORCCOGJ: MV 25-17 Water Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D45719-1MS <sup>a</sup>	3V24089.D	1	04/30/13	BR	n/a	n/a	V3V1422
D45719-1MSD <sup>a</sup>	3V24090.D	1	04/30/13	BR	n/a	n/a	V3V1422
D45719-1 <sup>a</sup>	3V24088.D	1	04/30/13	BR	n/a	n/a	V3V1422

The QC reported here applies to the following samples:

Method: SW846 8260B

D45678-1, D45678-2, D45678-3

CAS No.	Compound	D45719-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	0.36	J	50	48.4	96	48.0	95	1	62-130/30
100-41-4	Ethylbenzene	7.4		50	60.1	105	59.0	103	2	63-130/30
108-88-3	Toluene	5.0		50	55.1	100	54.7	99	1	60-130/30
1330-20-7	Xylene (total)	31.9		150	177	97	176	96	1	67-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D45719-1	Limits
17060-07-0	1,2-Dichloroethane-D4	113%	111%	130%	62-130%
2037-26-5	Toluene-D8	108%	105%	107%	70-130%
460-00-4	4-Bromofluorobenzene	109%	103%	110%	69-130%

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

\* = Outside of Control Limits.