

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  
#2216752

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  
10/20/2011

1. OGCC Operator Number: <u>96850</u>		4. Contact Name <u>Karolina Blaney</u>		Complete the Attachment Checklist  OP OGCC
2. Name of Operator: <u>Williams Production RMT</u>		Phone: <u>970 683 2295</u>		
3. Address: <u>1058 County Road 215</u> City: <u>Parachute</u> State: <u>CO</u> Zip: <u>81635</u>		Fax: <u>970 285 9573</u>		
5. API Number <u>05-045-19601</u>		OGCC Facility ID Number <u>417668</u>		Survey Plat
6. Well/Facility Name:		7. Well/Facility Number <u>PA 22-21</u>		Directional Survey
8. Location (Qtr/Sec, Twp, Rng, Meridian): <u>SENW- 21-6S-9SW 6pm</u>				Surface Eqpm Diagram
9. County: <u>Garfield</u>		10. Field Name: <u>Parachute</u>		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"/> FNU/FSL <input type="checkbox"/> FEU/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/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 data casing set)	
<input type="checkbox"/> SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK	
Method used	Cementing tool setting/perf depth
Cement volume	Cement top
Cement bottom	Date
*submit cbl and cement job summaries	
<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"/> 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 checked="" type="checkbox"/> Other: <u>Background</u>	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: 10/20/2011 Email: Karolina.Blaney@williams.com  
Print Name: Karolina Blaney Title: Environmental Specialist

COGCC Approved: Chris Canfield Title: FOR Date: 10/28/2011

CONDITIONS OF APPROVAL IF ANY:

Chris Canfield  
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

**PA 22-21**  
**Arsenic Background Sample Location Map**  
**T6S R95W, Section 21**



**October 5, 2011**





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

Tax I.D. 62-0814289

Est. 1970

Karolina Blaney  
Williams  
1058 County Road 215  
Parachute, CO 81635

## Report Summary

Monday September 26, 2011

Report Number: L536702

Samples Received: 09/16/11

Client Project:

Description: PA 22-21 Cuttings & Backgrounds

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 - I-2327, CT - PH-0197, FL - E87487  
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140  
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,  
TX - T104704245, OK-9915, PA - 68-02979

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.

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# REPORT OF ANALYSIS

Karolina Blaney  
Williams  
1058 County Road 215  
Parachute, CO 81635

September 26, 2011

Date Received : September 16, 2011  
Description : PA 22-21 Cuttings & Backgrounds  
Sample ID : PA22-21  
Collected By : FM  
Collection Date : 09/14/11 08:40

ESC Sample # : L536702-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chromium,Hexavalent	BDL	2.0	mg/kg	3060A/7196A	09/20/11	1
Chromium,Trivalent	15.	2.0	mg/kg	Calc.	09/18/11	1
ORP	130		mV	2580	09/21/11	1
pH	9.2		su	9045D	09/20/11	1
Sodium Adsorption Ratio	61.			Calc.	09/21/11	1
Specific Conductance	1100		umhos/cm	9050AMod	09/21/11	1
Mercury	0.031	0.020	mg/kg	7471	09/20/11	1
Arsenic	7.7	1.0	mg/kg	6010B	09/18/11	1
Barium	6100	1.2	mg/kg	6010B	09/19/11	5
Cadmium	BDL	0.25	mg/kg	6010B	09/18/11	1
Chromium	15.	0.50	mg/kg	6010B	09/18/11	1
Copper	27.	1.0	mg/kg	6010B	09/18/11	1
Lead	11.	0.25	mg/kg	6010B	09/18/11	1
Nickel	11.	1.0	mg/kg	6010B	09/18/11	1
Selenium	BDL	1.0	mg/kg	6010B	09/18/11	1
Silver	BDL	0.50	mg/kg	6010B	09/18/11	1
Zinc	51.	1.5	mg/kg	6010B	09/18/11	1
Benzene	BDL	0.0025	mg/kg	8021/8015	09/19/11	5
Toluene	BDL	0.025	mg/kg	8021/8015	09/19/11	5
Ethylbenzene	BDL	0.0025	mg/kg	8021/8015	09/19/11	5
Total Xylene	BDL	0.0075	mg/kg	8021/8015	09/19/11	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	GRO	09/19/11	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	90.6		% Rec.	8021/8015	09/19/11	5
a,a,a-Trifluorotoluene(PID)	94.9		% Rec.	8021/8015	09/19/11	5
TPH (GC/FID) High Fraction	28.	4.0	mg/kg	3546/DRO	09/22/11	1
Surrogate recovery(%)						
o-Terphenyl	76.6		% Rec.	3546/DRO	09/22/11	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.0060	mg/kg	8270C-SIM	09/23/11	1
Acenaphthene	BDL	0.0060	mg/kg	8270C-SIM	09/23/11	1
Benzo(a)anthracene	BDL	0.0060	mg/kg	8270C-SIM	09/23/11	1
Benzo(a)pyrene	BDL	0.0060	mg/kg	8270C-SIM	09/23/11	1
Benzo(b)fluoranthene	BDL	0.0060	mg/kg	8270C-SIM	09/23/11	1

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit(PQL)  
L536702-01 (PH) - 9.15@20.7c



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ESC Sample # : L536702-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzo(k)fluoranthene	BDL	0.0060	mg/kg	8270C-SIM	09/23/11	1
Chrysene	BDL	0.0060	mg/kg	8270C-SIM	09/23/11	1
Dibenz(a,h)anthracene	BDL	0.0060	mg/kg	8270C-SIM	09/23/11	1
Fluoranthene	BDL	0.0060	mg/kg	8270C-SIM	09/23/11	1
Fluorene	0.015	0.0060	mg/kg	8270C-SIM	09/23/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.0060	mg/kg	8270C-SIM	09/23/11	1
Naphthalene	0.068	0.0060	mg/kg	8270C-SIM	09/23/11	1
Pyrene	BDL	0.0060	mg/kg	8270C-SIM	09/23/11	1
Surrogate Recovery						
Nitrobenzene-d5	78.1		% Rec.	8270C-SIM	09/23/11	1
2-Fluorobiphenyl	76.0		% Rec.	8270C-SIM	09/23/11	1
p-Terphenyl-d14	71.3		% Rec.	8270C-SIM	09/23/11	1

BDL - Below Detection Limit

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Reported: 09/25/11 16:29 Revised: 09/26/11 09:30  
L536702-01 (PH) - 9.15@20.7c



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September 26, 2011

Date Received : September 16, 2011  
Description : PA 22-21 Cuttings & Backgrounds  
Sample ID : PA22-21-B-1  
Collected By : FM  
Collection Date : 09/14/11 11:30

ESC Sample # : L536702-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	8.2	1.0	mg/kg	6010B	09/23/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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September 26, 2011

Date Received : September 16, 2011  
Description : PA 22-21 Cuttings & Backgrounds  
Sample ID : PA22-21-B-2  
Collected By : FM  
Collection Date : 09/14/11 11:35

ESC Sample # : L536702-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	20.	1.0	mg/kg	6010B	09/23/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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September 26, 2011

Date Received : September 16, 2011  
Description : PA 22-21 Cuttings & Backgrounds  
Sample ID : PA22-21-B-3  
Collected By : FM  
Collection Date : 09/14/11 11:40

ESC Sample # : L536702-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	9.7	1.0	mg/kg	6010B	09/23/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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September 26, 2011

Date Received : September 16, 2011  
Description : PA 22-21 Cuttings & Backgrounds  
Sample ID : PA22-21-B-4  
Collected By : FM  
Collection Date : 09/14/11 11:45

ESC Sample # : L536702-05

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	22.	1.0	mg/kg	6010B	09/23/11	1

BDL - Below Detection Limit

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Date Received : September 16, 2011  
Description : PA 22-21 Cuttings & Backgrounds  
Sample ID : PA22-21-B-5  
Collected By : FM  
Collection Date : 09/14/11 11:50

ESC Sample # : L536702-06

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic	8.8	1.0	mg/kg	6010B	09/23/11	1

BDL - Below Detection Limit

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