



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

**DOCUMENT #2215003**

**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**  
**7/13/2011**

1. OGCC Operator Number: <u>96850</u>	4. Contact Name Karolina Blaney	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-NA</u>	OGCC Facility ID Number <u>284483</u>	Survey Plat
6. Well/Facility Name:	7. Well/Facility Number <u>AP 34-8-695</u>	Directional Survey
8. Location (Qtr/Sec, Twp, Rng, Meridian): <u>SWSE S8 T6S R95W 6th PM</u>		Surface Eqmpt Diagram
9. County: <u>Garfield</u>	10. Field Name: <u>Allan Point</u>	Technical Info Page <input checked="" type="checkbox"/>
11. Federal, Indian or State Lease Number:		Other <input checked="" type="checkbox"/>

**General Notice**

<input type="checkbox"/> <b>CHANGE OF LOCATION:</b> Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)																
Change of <b>Surface</b> Footage from Exterior Section Lines:	<table border="1"> <tr> <td></td> <td>FNL/FSL</td> <td>FEL/FWL</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>		FNL/FSL	FEL/FWL	<input type="checkbox"/>											
	FNL/FSL	FEL/FWL														
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>														
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>														
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>														
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>														
Change of <b>Surface</b> Footage to Exterior Section Lines:	<input type="checkbox"/>															
Change of <b>Bottomhole</b> Footage from Exterior Section Lines:	<input type="checkbox"/>															
Change of <b>Bottomhole</b> Footage to Exterior Section Lines:	<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:															
<b>GPS DATA:</b>																
Date of Measurement	PDOP Reading															
	Instrument Operator's Name															
<input type="checkbox"/> <b>CHANGE SPACING UNIT</b>																
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"/> <b>CHANGE OF OPERATOR (prior to drilling):</b>																
Effective Date:	<input type="checkbox"/> <b>CHANGE WELL NAME</b> NUMBER															
Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	From:															
	To:															
	Effective Date:															
<input type="checkbox"/> <b>ABANDONED LOCATION:</b>																
Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> <b>NOTICE OF CONTINUED SHUT IN STATUS</b>															
Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No	Date well shut in or temporarily abandoned:															
Date Ready for Inspection:	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"/> <b>SPUD DATE:</b>																
<input type="checkbox"/> <b>REQUEST FOR CONFIDENTIAL STATUS</b> (6 mos from date casing set)																
<input type="checkbox"/> <b>SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK</b> *submit cbl and cement job summaries																
Method used	Cementing tool setting/perf depth															
Cement volume	Cement top															
Cement bottom	Date															
<input type="checkbox"/> <b>RECLAMATION:</b> 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 checked="" type="checkbox"/> Report of Work Done	
Approximate Start Date:	Date Work Completed: <u>7/11/2011</u>	
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>Form 15 COAs</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: 7/13/2011 Email: Karolina.Blaney@Williams.com  
 Print Name: Karolina Blaney Title: Environmental Specialist

COGCC Approved: Richard Allen Title: OGLA - EPS II Date: 11/3/2011

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**

Form 15

State of Colorado  
**Oil and Gas Conservation Commission**



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

FOR OGCC USE ONLY

**EARTHEN PIT REPORT/PERMIT**

This form is to be used for both reporting and permitting pits. Rule 903 describes when a Permit with prior approval, or a Report within 30 days, is required for pits. Submit required attachments and forms.

**Complete the Attachment Checklist**

**FORM SUBMITTED FOR:**

Pit Report  Pit Permit

	Oper	OGCC
Detailed Site Plan	✓	
Topo Map w/ Pit Location	✓	
Water Analysis (Form 25)		
Source Wells (Form 26)	✓	
Pit Design/Plan & Cross Sect	✓	
Design Calculations	✓	
Sensitive Area Determ.		
Mud Program		
Form 2A	✓	

OGCC Operator Number: 96850  
 Name of Operator: Williams Production RMT Co  
 Address: 1515 Arapahoe St., Tower 3, Suite 1000  
 City: Denver State: Co Zip: 80202

Contact Name and Telephone:  
Lisa Dee  
 No: 303-260-4538  
 Fax: 303-629-8268

API Number (of associated well): See Attached Form 26 OGCC Facility ID (of other associated facility): Applied For  
 Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): AP 34-8-695 pad ( Sheridan Placer #6 - SWSE of Sec. 8: T6S-R95W) *Loc. # 33570 335601*  
 Latitude: N39.533304 NAD83 Longitude: W108.021861 NAD83 County: Garfield  
 Pit Use:  Production  Drilling (Attach mud program)  Special Purpose (Describe Use): Multiwell Pit  
 Pit Type:  Lined  Unlined Surface Discharge Permit:  Yes  No  
 Offsite disposal of pit contents:  Injection  Commercial Pit/Facility Name: AP 34-8-695 Pit/Facility No: \_\_\_\_\_  
**Attach Form 26 to identify Source Wells and Form 25 to provide Produced Water Analysis results.**

**Existing Site Conditions**

Is the location in a "Sensitive Area?"  Yes  No Attach data used for determination.  
 Distance (in feet) to nearest surface water: +/- 1200' ground water: +/- 1200' water wells: +/- 2.81 mi.  
**LAND USE (or attach copy of Form 2A if previously submitted for associated well) Select one which best describes land use:**  
 Crop Land:  Irrigated  Dry Land  Improved Pasture  Hay Meadow  CRP  
 Non-Crop Land:  Rangeland  Timber  Recreational  Other (describe): \_\_\_\_\_  
 Subdivided:  Industrial  Commercial  Residential  
**SOILS (or attach copy of Form 2A if previously submitted for associated well)**  
 Soil map units from USNRCS survey: Sheet No: Website Data Soil Complex/Series No: 53  
 Soils Series Name: Parachute-Rhone Loams Horizon thickness (in inches): A: 0-56" ; B: ; C:  
 Soils Series Name: See attached Form 2A Horizon thickness (in inches): A: ; B: ; C:  
**Attach detailed site plan and topo map with pit location.**

**Pit Design and Construction**

Size of pit (feet): Length: 100 746 Width: 50 53 Depth: 15'  
 Calculated pit volume (bbls): 6,946 bbls 7766 Daily inflow rate (bbls/day): 20  
 Daily disposal rates (attach calculations): Evaporation: 3.9 bbls/day Percolation: none bbls/day  
 Type of liner material: Poly Thickness: 36 mil  
**Attach description of proposed design and construction (include sketches and calculations).**  
 Method of treatment of produced water prior to discharge into pit (separator, heater treater, other): Separator  
 Is pit fenced?  Yes  No Is pit netted?  Yes  No

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

Print Name: Lisa Dee Signed: \_\_\_\_\_  
 Title: Regulatory Specialist - Highlands Asset Team Date: 03/04/2009

OGCC Approved: \_\_\_\_\_ Title: OGLA SUPERVISOR Date: 4/27/11

**FACILITY NUMBER:** 284483

CONDITIONS OF APPROVAL, IF ANY:  
 • PROVIDE ANALYTICAL RESULTS FROM GRAB SAMPLE OF PIT WATER ON FORM 4

Analytical Data

**Technical Report for**

**Williams Production RMT Company**

**AP 34-8-696 Pad LOE**

**Accutest Job Number: T78181**

**Sampling Date: 06/08/11**

**Report to:**

**Williams Production RMT Company**

**karolina.blaney@williams.com**

**ATTN: Karolina Blaney**

**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.

*Paul K Canevaro*

**Paul Canevaro**  
**Laboratory Director**

**Client Service contact: Sylvia Garza 713-271-4700**

Certifications: TX (T104704220-10-3) AR (88-0756) FL (E87628) KS (E-10366) LA (85695/04004)  
OK (9103)

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

# Table of Contents

-1-

<b>Section 1: Sample Summary</b> .....	<b>3</b>
<b>Section 2: Sample Results</b> .....	<b>4</b>
<b>2.1:</b> T78181-1: AP 34-8 696 PIT .....	5
<b>2.2:</b> T78181-1F: AP 34-8 696 PIT (DISSOLVED) .....	11
<b>Section 3: Misc. Forms</b> .....	<b>12</b>
<b>3.1:</b> Chain of Custody .....	13



## Sample Summary

Williams Production RMT Company

Job No: T78181

AP 34-8-696 Pad LOE

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
T78181-1	06/08/11	10:15	06/09/11	AQ	Water	AP 34-8 696 PIT
T78181-1F	06/08/11	10:15	06/09/11	AQ	Water Filtered	AP 34-8 696 PIT (DISSOLVED)

Sample Results

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Report of Analysis

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## Report of Analysis

<b>Client Sample ID:</b>	AP 34-8 696 PIT	<b>Date Sampled:</b>	06/08/11
<b>Lab Sample ID:</b>	T78181-1	<b>Date Received:</b>	06/09/11
<b>Matrix:</b>	AQ - Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	AP 34-8-696 Pad LOE		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E0008455.D	25	06/19/11	LT	n/a	n/a	VE426
Run #2	E0008501.D	100	06/20/11	LT	n/a	n/a	VE427

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	2120	1300	250	ug/l	
71-43-2	Benzene	3740	25	6.2	ug/l	
75-27-4	Bromodichloromethane	ND	25	6.4	ug/l	
75-25-2	Bromoform	ND	25	8.8	ug/l	
108-90-7	Chlorobenzene	ND	25	5.4	ug/l	
75-00-3	Chloroethane	ND	25	11	ug/l	
67-66-3	Chloroform	ND	25	5.1	ug/l	
75-15-0	Carbon disulfide	ND	25	9.0	ug/l	
56-23-5	Carbon tetrachloride	ND	25	9.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	25	7.2	ug/l	
75-35-4	1,1-Dichloroethylene	ND	25	10	ug/l	
107-06-2	1,2-Dichloroethane	ND	25	4.9	ug/l	
78-87-5	1,2-Dichloropropane	ND	25	6.3	ug/l	
124-48-1	Dibromochloromethane	ND	25	7.1	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	25	5.9	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	5.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	25	7.6	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	5.3	ug/l	
100-41-4	Ethylbenzene	279	25	6.3	ug/l	
591-78-6	2-Hexanone	ND	250	61	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	250	47	ug/l	
74-83-9	Methyl bromide	ND	25	7.8	ug/l	
74-87-3	Methyl chloride	ND	25	6.7	ug/l	
75-09-2	Methylene chloride	ND	130	25	ug/l	
78-93-3	Methyl ethyl ketone	ND	250	46	ug/l	
100-42-5	Styrene	ND	25	5.6	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	25	7.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	9.6	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	25	9.1	ug/l	
127-18-4	Tetrachloroethylene	ND	25	8.3	ug/l	
108-88-3	Toluene	4590 <sup>a</sup>	100	26	ug/l	
79-01-6	Trichloroethylene	ND	25	8.9	ug/l	

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>	AP 34-8 696 PIT	<b>Date Sampled:</b>	06/08/11
<b>Lab Sample ID:</b>	T78181-1	<b>Date Received:</b>	06/09/11
<b>Matrix:</b>	AQ - Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	AP 34-8-696 Pad LOE		

### VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	25	9.9	ug/l	
1330-20-7	Xylene (total)	5130	75	18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%	92%	79-122%
17060-07-0	1,2-Dichloroethane-D4	89%	93%	75-121%
2037-26-5	Toluene-D8	96%	90%	87-119%
460-00-4	4-Bromofluorobenzene	89%	89%	80-133%

(a) Result is from Run# 2

ND = Not detected      MDL - Method Detection Limit  
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 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	AP 34-8 696 PIT	<b>Date Sampled:</b>	06/08/11
<b>Lab Sample ID:</b>	T78181-1	<b>Date Received:</b>	06/09/11
<b>Matrix:</b>	AQ - Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8270C SW846 3510C		
<b>Project:</b>	AP 34-8-696 Pad LOE		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	P18451.D	1	06/16/11	GJ	06/14/11	OP18846	EP884
Run #2	J160157.D	4	06/16/11	SC	06/14/11	OP18846	EJ1180

Run #	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2	970 ml	1.0 ml

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	137 <sup>b</sup>	41	21	ug/l	
95-57-8	2-Chlorophenol	ND	5.2	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	1.2	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.2	2.3	ug/l	
105-67-9	2,4-Dimethylphenol	100	5.2	1.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	26	16	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.4	ug/l	
95-48-7	2-Methylphenol	87.9	5.2	0.86	ug/l	
	3&4-Methylphenol	82.8	5.2	1.6	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	26	6.9	ug/l	
87-86-5	Pentachlorophenol	ND	26	14	ug/l	
108-95-2	Phenol	51.2	5.2	0.78	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	1.2	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	1.2	ug/l	
83-32-9	Acenaphthene	ND	5.2	1.6	ug/l	
208-96-8	Acenaphthylene	ND	5.2	1.2	ug/l	
120-12-7	Anthracene	ND	5.2	1.1	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.2	1.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.2	1.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.2	0.89	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.2	1.7	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.2	1.1	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.2	1.4	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.2	1.7	ug/l	
100-51-6	Benzyl Alcohol	164 <sup>b</sup>	21	5.4	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.2	1.4	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	4.4	ug/l	
86-74-8	Carbazole	ND	5.2	1.5	ug/l	
218-01-9	Chrysene	ND	5.2	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.2	1.3	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.2	1.3	ug/l	

ND = Not detected MDL - Method Detection Limit

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E = Indicates value exceeds calibration range

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N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	AP 34-8 696 PIT	<b>Date Sampled:</b>	06/08/11
<b>Lab Sample ID:</b>	T78181-1	<b>Date Received:</b>	06/09/11
<b>Matrix:</b>	AQ - Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8270C SW846 3510C		
<b>Project:</b>	AP 34-8-696 Pad LOE		

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.2	2.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.2	1.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.2	1.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.2	1.3	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.2	1.3	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.2	1.5	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.2	1.4	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	3.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.2	1.6	ug/l	
132-64-9	Dibenzofuran	ND	5.2	1.4	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.2	1.1	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.2	1.4	ug/l	
84-66-2	Diethyl phthalate	ND	5.2	1.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.2	1.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.6	5.2	1.8	ug/l	J
206-44-0	Fluoranthene	ND	5.2	1.0	ug/l	
86-73-7	Fluorene	12.3	5.2	1.4	ug/l	
118-74-1	Hexachlorobenzene	ND	5.2	1.4	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.2	1.1	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	5.3	ug/l	
67-72-1	Hexachloroethane	ND	5.2	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.2	1.9	ug/l	
78-59-1	Isophorone	ND	5.2	1.2	ug/l	
91-57-6	2-Methylnaphthalene	97.6	5.2	1.3	ug/l	
88-74-4	2-Nitroaniline	ND	5.2	1.5	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	3.4	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	2.4	ug/l	
91-20-3	Naphthalene	20.5	5.2	1.2	ug/l	
98-95-3	Nitrobenzene	ND	5.2	1.8	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.2	1.5	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	1.7	ug/l	
85-01-8	Phenanthrene	7.9	5.2	1.0	ug/l	
129-00-0	Pyrene	ND	5.2	1.7	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	1.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%	32%	10-66%
4165-62-2	Phenol-d5	15%	30%	10-53%
118-79-6	2,4,6-Tribromophenol	143% <sup>c</sup>	67%	32-128%

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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> AP 34-8 696 PIT		<b>Date Sampled:</b> 06/08/11
<b>Lab Sample ID:</b> T78181-1		<b>Date Received:</b> 06/09/11
<b>Matrix:</b> AQ - Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8270C SW846 3510C		
<b>Project:</b> AP 34-8-696 Pad LOE		

**ABN TCL List**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	39%	47%	29-115%
321-60-8	2-Fluorobiphenyl	53%	56%	34-113%
1718-51-0	Terphenyl-d14	113%	74%	12-145%

- (a) Internal standards are not within the advisory limits due to a matrix interference. Confirmed by re-analysis.
- (b) Result is from Run# 2
- (c) Outside control limits due to matrix interference. Confirmed by re-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> AP 34-8 696 PIT	<b>Date Sampled:</b> 06/08/11
<b>Lab Sample ID:</b> T78181-1	<b>Date Received:</b> 06/09/11
<b>Matrix:</b> AQ - Water	<b>Percent Solids:</b> n/a
<b>Project:</b> AP 34-8-696 Pad LOE	

### General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	250	5.0	0.66	mg/l	1	06/20/11	MC	SM 4500 CO2 D
Alkalinity, Carbonate	0.66 U	5.0	0.66	mg/l	1	06/20/11	MC	SM18 2320B
Alkalinity, Total as CaCO3	250	10	3.4	mg/l	1	06/20/11 09:00	MC	SM 2320B
Bromide	33.9	1.0	0.20	mg/l	2	06/18/11 21:28	ES	EPA 300/SW846 9056
Chloride	4780	250	96	mg/l	500	06/18/11 21:45	ES	EPA 300/SW846 9056
Hydroxide Alkalinity	0.66 U	5.0	0.66	mg/l	1	06/20/11	MC	SM18 4500CO2D
Solids, Total Dissolved	8730	170	43	mg/l	1	06/15/11	BG	SM 2540C
Specific Conductivity	14900	1.0		umhos/cm	1	06/20/11 13:30	KD	EPA 120.1
Sulfate	2.8	0.50	0.15	mg/l	1	06/18/11 14:40	ES	EPA 300/SW846 9056
pH	7.00			su	1	06/09/11 21:30	SS	SM 4500H+ B/9040

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

## Report of Analysis

<b>Client Sample ID:</b> AP 34-8 696 PIT (DISSOLVED)	<b>Date Sampled:</b> 06/08/11
<b>Lab Sample ID:</b> T78181-1F	<b>Date Received:</b> 06/09/11
<b>Matrix:</b> AQ - Water Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> AP 34-8-696 Pad LOE	

### Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Calcium	106000	25000	120	ug/l	5	06/13/11	06/13/11 NS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Iron	11200	100	23	ug/l	1	06/13/11	06/16/11 NS	SW846 6010B <sup>2</sup>	SW846 3010A <sup>3</sup>
Magnesium	11400 J	25000	40	ug/l	5	06/13/11	06/13/11 NS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Manganese	603	75	9.3	ug/l	5	06/13/11	06/13/11 NS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Potassium	81500	25000	220	ug/l	5	06/13/11	06/13/11 NS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>
Sodium	2420000	25000	520	ug/l	5	06/13/11	06/13/11 NS	SW846 6010B <sup>1</sup>	SW846 3010A <sup>3</sup>

- (1) Instrument QC Batch: MA5811
- (2) Instrument QC Batch: MA5817
- (3) Prep QC Batch: MP14947

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody

10165 Harwin Dr, Ste 150 Houston, TX 77036  
TEL: 713-271-4700 FAX: 713-271-4770  
www.accutest.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # <b>778181</b>
Requested Analyses	
Matrix Codes	
DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipes FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank	
LAB USE ONLY	

Client / Reporting Information		Project Information	
Company Name <b>Williams Production</b>	Project Name <b>AP 34-8-696 Pad LOE</b>	Street	Billing Information (If different from Report to)
Address <b>258 Cty Rd 215</b>	City	State	Company Name
State <b>CO</b>	City	State	Street Address
Zip <b>81635</b>	City	State	City
Contact <b>karolina.blaney@williams.com</b>	Project #	Client Purchase Order #	State
Phone # <b>70 683 2295 / 970 285 9573</b>	Project Manager <b>Karolina Blaney</b>	Attention:	

Test #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	# of bottles	Number of preserved bottles															
							ICI	NUOH	ZANUOH	HAND	RESO	NOHE	DI Water	MEOH	TSP	NH4SCN	ENDONE	OTHER				
	<b>AP 34-8-696 P.1</b>	<b>6/8/11</b>	<b>10:15</b>	<b>RW</b>	<b>W</b>	<b>9</b>	<b>X</b>															

Turnaround Time (Business days)	Approved By (Accutest PM): / Date:	Data Deliverable Information	Comments / Special Instructions
<input type="checkbox"/> Standard <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 4 Day RUSH <input type="checkbox"/> 3 Day RUSH <input type="checkbox"/> 2 Day RUSH <input type="checkbox"/> 1 Day EMERGENCY <small>Emergency &amp; Rush T/A data available VIA LabLink</small>		<input type="checkbox"/> Commercial "A" (Level 1) <input checked="" type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> FULT1 (Level 3+4) <input type="checkbox"/> REDT1 (Level 3+4) <input type="checkbox"/> Commercial "C"  <small>Commercial "A" = Results Only          Commercial "B" = Results + QC Summary          Commercial "C" = Results + QC &amp; Summable Summary</small>	

Sample Custody must be documented below each time samples change possession, including courier delivery.								
Relinquished by Sampler <b>Karl Wold</b>	Date Time <b>6/8/11</b>	Received By: <b>fedex</b>	1	Relinquished By: <b>fedex</b>	2	Date Time: <b>6/9/11 9:12</b>	Received By: <b>[Signature]</b>	
Relinquished by Sampler	Date Time	Received By:	3	Relinquished By:	4	Date Time:	Received By:	
Relinquished by Sampler	Date Time	Received By:	5	Custody Seal #	<input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Preserved where applicable	On Ice	Cooling Temp: <b>5.5</b>

31  
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Samples will be analyzed for the following constituents:

- o Anions (Cl, BR, SO4) by Method 300.0 IC / 1 liter plastic Non-preserved
- o Dissolved Metals (Ca, Fe, Mg, Mn, K, Na) by Method 6010B / 500ml HNO3 plastic
- o Alkalinity Series (Carbonate, Bicarbonate, Hydroxide, and Total Alkalinity) by method 2320B / 1 liter plastic Non-preserved
- o Total Dissolved Solids by Method 2540C / 1 liter plastic Non-preserved
- o Specific Conductance by Method 2510C / will use from above container
- o pH by Method E150.1 / will use from above container
- o Volatile Organics, full list by GC/MS / 3 - 40ml HCL vials
- o Semi-Volatile Organics, full list by GC/MS / 2 1 liter Ambers Non preserved

\* *Sample results will be presented in paper and electronic format:*

1. Summary data table in Excel spreadsheet format, including the location, sample date, laboratory sample id, and constituent results
2. Electronic Data Deliverable containing all sample results in one file. File format is subject to change upon completion of COGCC database migration to our SQL MRDB.

**T78181: Chain of Custody**

**Page 2 of 4**

**Accutest Job Number:** T78181      **Client:** WILLIAMS PRODUCTION      **Project:** AP 34-8-696 PAD LOE  
**Date / Time Received:** 6/9/2011      **Delivery Method:** \_\_\_\_\_      **Airbill #'s:** 874632744060  
**No. Coolers:** 1      **Therm ID:** 110;      **Temp Adjustment Factor:** -0.5;  
**Cooler Temps (Initial/Adjusted):** #1: (6/5.5);

**Cooler Security**      Y or N      Y or N  
 1. Custody Seals Present:        3. COC Present:    
 2. Custody Seals Intact:        4. Smpl Dates/Time OK:

**Cooler Temperature**      Y or N  
 1. Temp criteria achieved:    
 2. Cooler temp verification: Glass Thermometer  
 3. Cooler media: Ice (Bag)

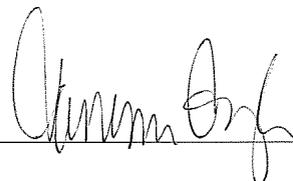
**Quality Control Preservation**      Y or N      N/A      WTB      STB  
 1. Trip Blank present / cooler:            
 2. Trip Blank listed on COC:     
 3. Samples preserved properly:     
 4. VOCs headspace free:

**Sample Integrity - Documentation**      Y or N  
 1. Sample labels present on bottles:    
 2. Container labeling complete:    
 3. Sample container label / COC agree:

**Sample Integrity - Condition**      Y or N  
 1. Sample recvd within HT:    
 2. All containers accounted for:    
 3. Condition of sample: Intact

**Sample Integrity - Instructions**      Y or N      N/A  
 1. Analysis requested is clear:    
 2. Bottles received for unspecified tests:    
 3. Sufficient volume recvd for analysis:    
 4. Compositing instructions clear:     
 5. Filtering instructions clear:

Comments

 4/9/11

Job #: T78181

Date / Time Received: 6/9/2011 9:12:00 AM

Initials: VG

Client: WILLIAMS PRODUCTION

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	T78181-1	1000 ml	1	3H	N/P	Note #2 - Preservative check not applicable.	110	6	-0.5	5.5
1	T78181-1	1000 ml	2	3H	N/P	Note #2 - Preservative check not applicable.	110	6	-0.5	5.5
1	T78181-1	1000 ml	3	3H	N/P	Note #2 - Preservative check not applicable.	110	6	-0.5	5.5
1	T78181-1	500 ml	4	1K	N/P	Note #2 - Preservative check not applicable.	110	6	-0.5	5.5
1	T78181-1	LAG	5	1K	N/P	Note #2 - Preservative check not applicable.	110	6	-0.5	5.5
1	T78181-1	LAG	6	1K	N/P	Note #2 - Preservative check not applicable.	110	6	-0.5	5.5
1	T78181-1	40 ml	7	VR	HCL	Note #1 - Preservative to be checked by analyst at the instrument.	110	6	-0.5	5.5
1	T78181-1	40 ml	8	VR	HCL	Note #1 - Preservative to be checked by analyst at the instrument.	110	6	-0.5	5.5
1	T78181-1	40 ml	9	VR	HCL	Note #1 - Preservative to be checked by analyst at the instrument.	110	6	-0.5	5.5

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T78181: Chain of Custody

Page 4 of 4