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

DE | ET | DE | ES

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.)

1. OGCC Operator Number: 96850
2. Name of Operator: Williams Production RMT
3. Address: 1058 County Road 215
City: Parachute State: CO Zip: 81635
4. Contact Name: Karolina Blaney
Phone: 970 683 2295
Fax: 970 285 9573

Complete the Attachment Checklist

OP OGCC

5. API Number 05- ~~045-11020~~
OGCC Facility ID Number 279359
6. Well/Facility Name:
7. Well/Facility Number AP 41-11-696
8. Location (QtrQtr, Sec, Twp, Rng, Meridian): NENE S11 T6S R95W 6pm
9. County: Garfield
10. Field Name: Allan Point
11. Federal, Indian or State Lease Number:

	OP	OGCC
Survey Plat		
Directional Survey		
Surface Eqpmt Diagram		
Technical Info Page	X	
Other	X	

General Notice

☐ CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)

	FNL/FSL		FEL/FWL	
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:				attach directional survey

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

Latitude | Distance to nearest property line | Distance to nearest bldg, public rd, utility or RR

Longitude | Distance to nearest lease line | Is location in a High Density Area (rule 603b)? Yes/No

Ground Elevation | Distance to nearest well same formation | Surface owner consultation date:

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 NUMBER
From:
To:
Effective Date:

☐ 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: 12/15/2011

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

☐ Intent to Recomplete (submit form 2)
☐ Change Drilling Plans
☐ Gross Interval Changed?
☐ Casing/Cementing Program Change
☐ Request to Vent or Flare
☐ Repair Well
☐ Rule 502 variance requested
☒ Other: Form 15 COAs
☐ 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 Date: 12/16/2011 Email: Karolina.Blaney@Williams.com

Print Name: Karolina Blaney Title: Environmental Specialist

COGCC Approved: Richard Allison Title: OGLA - EPS II Date: 12/22/2011

CONDITIONS OF APPROVAL, IF ANY:

Click here to reset form

FORM 4 Rev 12/05

TECHNICAL INFORMATION PAGE

FOR OGCC USE ONLY

1. OGCC Operator Number: 96850 API Number: 05-045-11020
2. Name of Operator: Williams Production RMT OGCC Facility ID # 279359
3. Well/Facility Name: Well/Facility Number: AP 41-11-695
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NENE S11 T6S R95W 6pm

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**

In accordance with the AP 41-11-695 Pit Permit Form 15 conditions of approval (see attached), Williams is submit the following documents in order to stay in compliance:

- Hydrostatic test of pit liner and pit liner verification
- Analytical data of the grab water sample collected from pit

Form 15

FORM 15 Rev 6/99

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

	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	✓	

FORM SUBMITTED FOR:

☐ Pit Report ☑ Pit Permit

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): ~~279359~~ LocID: 335874
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): AP 41-11-696 (NENE of Sec. 11: T6S-R96W)
Latitude: N39.542304 NAD83 Longitude: W108.071163 NAD83 County: Garfield
Pit Use: ☐ Production ☐ Drilling (Attach mud program) ☑ Special Purpose (Describe Use): Multiwell
Pit Type: ☑ Lined ☐ Unlined Surface Discharge Permit: ☐ Yes ☐ No
Offsite disposal of pit contents: ☐ Injection ☐ Commercial Pit/Facility Name: AP 41-11-696 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: +/- 825' ground water: +/- 3500' water wells: +/- 2.2 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 form 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' Width: ~~50'~~ 80' Depth: 15'
Calculated pit volume (bbls): ~~6,946bbls~~ 9,694 bbls. (ACCOUNTING FOR 2' FREEBOARD) 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: 24 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: 3/10/2009

OGCC Approved: Title: OGLA Supervisor Date: 4/27/11

CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER: 279359

- OPERATOR WILL CONDUCT AND DOCUMENT TO COGCC A HYDROSTATIC TEST OF PIT LINER WITHIN 3 MONTHS.
- OPERATOR WILL CONDUCT AND MAINTAIN RECORDS OF HYDROSTATIC TESTS OF PIT LINER/SYSTEM TWICE PER YEAR UNTIL REMOVED FROM SERVICE OR UPGRADED W/ SECOND MINIMUM 24mil LINER
- PROVIDE ANALYTICAL RESULTS OF GRAB SAMPLES OF PIT WATER ON FORM 4.

Hydrostatic Test Results

Pit Liner Verification

Hydrostatic Pit Testing
Data Collection & Computation Form

Fox Engineering Solutions

Pit Owner:	Williams Production RMT Company
Pit Name:	AP 41-11-696
COGCC Facility No.	279359
Pit Location:	NE 1/4 NE 1/4 Sec. 11, T6S, R96W, 6th P.M.
	Latitude: N 39.5423° Longitude: W108.0712° NAD83
Reported Liner:	Two - 30 mil Polypropylene Liners
Approximate Elevation:	7990 ft. MSL
Test Conducted By:	David Fox, Fox Engineering Solutions

Test Initiation:

Date:	9/12/2011
Time:	10:30 AM
Total Duration:	72 hours

Test Termination:

Date:	9/15/2011
Time:	10:30 AM

	Length	Width	Area		Comments
Tributary Pit Liner Surface Area (ft^2):	-	-	6,071	$ft.^2$	**Surveyed by Bookcliff Survey**
Initial Pit Water Surface Area:	-	-	2,149	$ft.^2$	**Surveyed by Bookcliff Survey**
Final Pit Water Surface Area:	-	-	2,149	$ft.^2$	**Surveyed by Bookcliff Survey**
Average Pit Surface Area:			2149	$ft.^2$	

Initial Pit Fluid Level:		**983.37 ft.**
Final Pit Fluid Level:		**983.39 ft**
Difference		**-0.02 ft or**
Est. Fluid Depth:	**6 ft.**	**-0.24 inches**

Evaporation Pan Installed: No — **Location:**
Note: Frozen conditions with pit iced over.

Measured Pan Evaporation: **0 inches**
during Test Duration
Evaporation w/ Pan Coeff. 0.72 **0.00 inches**

Rain Gauge Installed: Yes — **Location:** West side of pit
Note: Snowfall in rain gage had a water equivilent of 0.25 inches of water

Recorded Precipitation: **0.25 inches**
Equiv. 72-Hour Precip. Inflow: **0.25 inches**

Other Inflow/Outflow:	**Inflow (gal)**	**0**	**Equivalent Inflow:**	**0.00 inches**
	Outflow (gal)	**0**	**Equivalent Outflow:**	**0.00 inches**

Calculated Fluid Level Change in Inches: (+ indicates fluid level increased)
(Precipitation - Pan Evaporation + Inflows - Outflows) **0.25 inches**

Measure Change in Inches: (+ indicates fluid level increased) **0.24 inches**

Difference between Calculated and Measured Pit Fluid Level: **-0.01 inches**

Summary: No observed loss in liner integrity. Reasonable correlation between measured and calculated pit fluid levels.

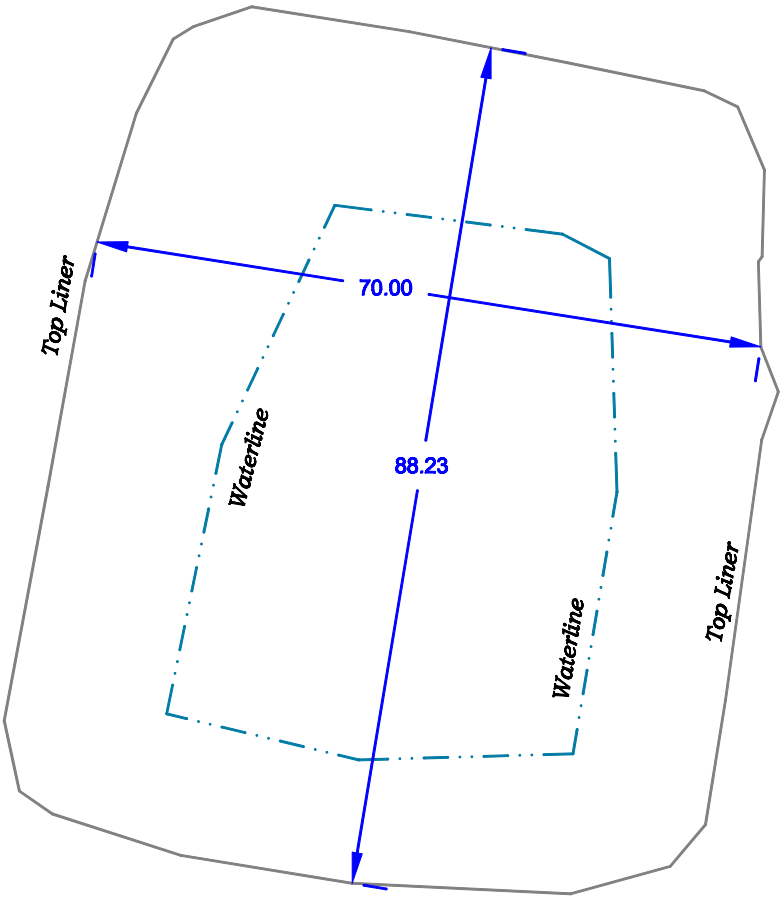
Weather: Cold, 15 -20° temperatures with 4 in. of snowfall during test period.

Liner and Pit Condition: Produced water fluid level at approximate 6 ft depth.
Visible portion of liner, approximately the top 14-15 ft., had no apparent tears, delamination or seam failures.

Comments: Bookcliff Survey utilized a Trimble Total Station for required area and elevation measurements.
Williams staff indicated that no fluids were transferred from or to the pit during the duration of the test.
No snow or moisture at start of test with pit surface frozen. Snow was frozen on sidewalls of pit at termination of test.

HYDROTEST EXHIBIT

ALLEN POINT 41-11-696



Benchmark
Elevation= 1000.00'

SCALE: 1"= 20'

ALLEN POINT 41-11-696 PIT DETAILS

TEST @ 10:30A.M.

TOP WATER ELEV. (DECEMBER =12, 2011)= 983.37'
TOP WATER ELEV. (DECEMBER 15, 2011)= 983.39'
TOP WATER SURFACE AREA (DECEMBER 12, 2011)= 2,149 sq. ft.

TOP OF LINER SURFACE AREA = 6,071 sq. ft.

ALLEN POINT 41-11-696 PIT LOCATION

SECTION 11,
TOWNSHIP 6 SOUTH,
RANGE 96 WEST OF THE SIXTH P.M.

* ELEVATIONS AND COORDINATES ARE ASSUMED.

136 East Third Street
Rifle, Colorado 81650
Ph. (970) 625-1330
Fax (970) 625-2773

BOOKCLIFF Survey Services, Inc.

Fox Engineering Solutions
670 Canyon Creek Dr.
Grand Junction, CO 81503

ALLEN POINT
41-11-696

DATE: 12/15/11
SHEET: 1 OF 1
PROJECT: HYDROTEST
DFT: SRB

Hydrostatic Testing Procedures for COGCC Earthen Pits

Vers. 6.0 12-15-11 ©

Fox Engineering Solutions, Inc

The purpose for hydrostatic testing earthen pits is to comply with COGCC approval conditions for verifying the fluid holding integrity of the pit lining system. These procedures are specific to existing or active earthen pits holding oil and gas related fluids including, but not limited to, produced water. During testing, the pit shall have fluid level as high as practical, without encroaching into the 2 ft. freeboard, and the test shall be conducted for a minimum of 72 hours, if practical. Visible portions of the liner, including the anchor trench and seams, shall be inspected for defects. The test shall be scheduled and coordinated with personnel to ensure that oil and gas activities do not interfere with the test. Testing procedures may be subject to changes as dictated by field and climatic factors. All personnel involved with testing, while onsite, shall comply with their respective EH&S requirements.

- If practical, a sign shall be placed in a conspicuous location during the test stating “Hydrostatic testing in Progress, Pit Closed to All Water Hauling Activities”. Contact information shall also be placed on the sign.

- A semi-permanent datum elevation point shall be established at the pit location. The surface area of the water surface and the surface area of the liner area, tributary to the pit shall be measured. The date and time of each measurement shall be documented.

- The pit fluid level; fluid surface area; and the lined surface area, tributary to the pit, shall be measured and recorded at the beginning of the test. The pit fluid level shall be measured again at the end of the test. A survey grade total station shall be utilized for accuracy to capture this information. The date and time of measurements shall be documented.

- A 4” diameter official rain gauge with funnel inlet shall be installed at the pit site. Precipitation shall be recorded for the duration of the hydrostatic test.

- During ice-free periods, pan evaporation shall be measured during the duration of the test following the procedures established by the National Weather Service – NOAA in the document entitled “National Weather Service - Observing Handbook No. 2, dated July 1989. A Class A evaporation pan shall be placed at the site, or as near as practical, with evaporation measured per established procedures. During ice-over periods at the pit, evaporation is assumed negligible and evaporation measurements will not be taken.

- For the duration of the test, all inflows and outflows, such as truck and piped transfers, shall cease. If the cessation of inflows and outflows is not practical, all pit inflows and outflows shall be accurately metered and documented during the test. 24-hour surveillance monitoring may be warranted.

- If no precipitation has occurred during the test, compare the change in the pit fluid level with the recorded pan evaporation. During ice-over periods, compare the pit levels taken at the start and end of the tests.

- If precipitation has occurred during the test, precipitation falling onto tributary portions of the liner, outside of the fluid surface area, may be added as an inflow to the pit and converted into inches of depth over the fluid surface area. During ice-over and snow conditions, precipitation inflow from tributary portions of the liner may be estimated from snow depth and corresponding water equivalent comparisons at the start and termination of the test. Other factors may also be utilized.

- The calculated change in pit level during the test is: $\Delta L = P + I - O - E$ (all measurements converted to inches)

  Where: ΔL = Change in pit fluid level; P = Precipitation Inflow; E = Evaporation; I = Measured Inflows; O = Measured Outflows

- The measured change in the pit fluid level shall be compared to the calculated change, utilizing precipitation and evaporation data, in the pit fluid level during the test duration. The test procedures and results will be reviewed and analyzed for discrepancies. If the test results indicate integrity issues with the lining system, the test will be repeated.

Fox Engineering Solutions, Inc.
670 Canyon Creek Drive
Grand Junction, CO 81507-9594

Cell (970) 250-5505
Email: coloradofox@bresnan.net

Analytical Data

Gulf Coast ACCUTEST LABORATORIES

07/11/11

Technical Report for

Williams Production RMT Company

AP 41-11-696 Pad LOE

Accutest Job Number: T78179

Sampling Date: 06/08/11

Report to:

Williams Production RMT Company

karolina.blaney@williams.com

ATTN: Karolina Blaney

Total number of pages in report: **15**

ACCREDITED IN ACCORDANCE WITH nelac

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)

Sections: 1 2 3

Table of Contents

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Sample Summary

Williams Production RMT Company

AP 41-11-696 Pad LOE

Job No: T78179

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
T78179-1	06/08/11	11:00		06/09/11	AQ	Water	AP 44-11 PIT
T78179-1F	06/08/11	11:00		06/09/11	AQ	Water Filtered	AP 44-11 PIT (DISSOLVED)

Sample Results

Report of Analysis

Accutest LabLink@50870 14:17 11-Jul-2011

Report of Analysis

Client Sample ID:	AP 44-11 PIT		
Lab Sample ID:	T78179-1	**Date Sampled:**	06/08/11
Matrix:	AQ - Water	**Date Received:**	06/09/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	AP 41-11-696 Pad LOE		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E0008450.D	25	06/19/11	LT	n/a	n/a	VE426
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	539	1300	250	ug/l	J
71-43-2	Benzene	1080	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	158	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	27.9	130	25	ug/l	J
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	3740	25	6.4	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

Client Sample ID:	AP 44-11 PIT		
Lab Sample ID:	T78179-1	**Date Sampled:**	06/08/11
Matrix:	AQ - Water	**Date Received:**	06/09/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	AP 41-11-696 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)	2340	75	18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		79-122%
17060-07-0	1,2-Dichloroethane-D4	89%		75-121%
2037-26-5	Toluene-D8	92%		87-119%
460-00-4	4-Bromofluorobenzene	91%		80-133%

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

Accutest LabLink@50870 14:17 11-Jul-2011

Report of Analysis

Client Sample ID: AP 44-11 PIT
Lab Sample ID: T78179-1
Matrix: AQ - Water
Method: SW846 8270C SW846 3510C
Project: AP 41-11-696 Pad LOE

Date Sampled: 06/08/11
Date Received: 06/09/11
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P18450.D	1	06/16/11	GJ	06/14/11	OP18846	EP884
Run #2	J160156.D	4	06/16/11	SC	06/14/11	OP18846	EJ1180

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2	960 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	420 [a]	42	21	ug/l	
95-57-8	2-Chlorophenol	ND	5.2	1.3	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	15.0	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	41.6	5.2	0.87	ug/l	
	3&4-Methylphenol	28.8	5.2	1.6	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	2.1	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	33.8	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	1.3	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	0.90	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	ND	5.2	1.4	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	1.6	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	1.4	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

Client Sample ID:	AP 44-11 PIT		
Lab Sample ID:	T78179-1	**Date Sampled:**	06/08/11
Matrix:	AQ - Water	**Date Received:**	06/09/11
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	AP 41-11-696 Pad LOE		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.2	2.1	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	ND	5.2	1.8	ug/l	
206-44-0	Fluoranthene	ND	5.2	1.0	ug/l	
86-73-7	Fluorene	ND	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	5.4	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	1.3	ug/l	
91-57-6	2-Methylnaphthalene	7.8	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	3.5	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	2.4	ug/l	
91-20-3	Naphthalene	6.7	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	1.1	5.2	1.0	ug/l	J
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	18%	24%	10-66%
4165-62-2	Phenol-d5	21%	19%	10-53%
118-79-6	2,4,6-Tribromophenol	84%	65%	32-128%

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

Client Sample ID:	AP 44-11 PIT		
Lab Sample ID:	T78179-1	**Date Sampled:**	06/08/11
Matrix:	AQ - Water	**Date Received:**	06/09/11
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	AP 41-11-696 Pad LOE		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	46%	46%	29-115%
321-60-8	2-Fluorobiphenyl	65%	46%	34-113%
1718-51-0	Terphenyl-d14	86%	73%	12-145%

(a) Result is from Run# 2

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

Accutest LabLink@50870 14:17 11-Jul-2011

Report of Analysis

Client Sample ID: AP 44-11 PIT
Lab Sample ID: T78179-1
Matrix: AQ - Water
Project: AP 41-11-696 Pad LOE

Date Sampled: 06/08/11
Date Received: 06/09/11
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	130	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	130	5.0	1.7	mg/l	1	06/20/11 09:00	MC	SM 2320B
Bromide	25.9	1.0	0.20	mg/l	2	06/18/11 20:37	ES	EPA 300/SW846 9056
Chloride	3360	250	96	mg/l	500	06/18/11 15:48	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	5720	40	10	mg/l	1	06/15/11	BG	SM 2540C
Specific Conductivity	9980	1.0		umhos/cm	1	06/20/11 13:30	KD	EPA 120.1
Sulfate	2.4	0.50	0.15	mg/l	1	06/18/11 13:22	ES	EPA 300/SW846 9056
pH	6.91			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

Client Sample ID: AP 44-11 PIT (DISSOLVED)
Lab Sample ID: T78179-1F
Matrix: AQ - Water Filtered
Project: AP 41-11-696 Pad LOE

Date Sampled: 06/08/11
Date Received: 06/09/11
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	69000	5000	25	ug/l	1	06/13/11	06/13/11	NS	SW846 6010B [1]	SW846 3010A [3]
Iron	185	100	23	ug/l	1	06/13/11	06/16/11	NS	SW846 6010B [2]	SW846 3010A [3]
Magnesium	6110	5000	7.9	ug/l	1	06/13/11	06/13/11	NS	SW846 6010B [1]	SW846 3010A [3]
Manganese	145	15	1.9	ug/l	1	06/13/11	06/13/11	NS	SW846 6010B [1]	SW846 3010A [3]
Potassium	62400	5000	45	ug/l	1	06/13/11	06/13/11	NS	SW846 6010B [1]	SW846 3010A [3]
Sodium	1860000	25000	520	ug/l	5	06/13/11	06/13/11	NS	SW846 6010B [1]	SW846 3010A [3]

(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

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

PAGE 1 OF 1

ACCUTEST Laboratories

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 #: T78179

Client / Reporting Information

Company Name: Williams Production
Street Address: 358 Cty Rd 215
City: Parachute State: CO Zip: 81635
Project Contact: Karolina.Blaney@Williams.com
Phone #: 970 683 2295 Fax #: 970 285 9573
Sampler(s) Name(s): Reed Wolfe

Project Information

Project Name: AP41-11 -696 Pad LOF
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention: Karolina Blaney

Requested Analyses

See Attached

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 - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Lab #	Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH	ZnAc/NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	TSP	NaHSO4	ENCORE	OTHER	LAB USE ONLY
1	AP 41-11 P.t	6/8/11	11:00	RW	W	9	X												

Turnaround Time (Business days)

- [x] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *EMERGENCY*

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [x] Commercial "B" (Level 2)
- [ ] FULT1 (Level 3+4)
- [ ] REDT1 (Level 3+4)
- [ ] Commercial "C"
- [ ] TRRP
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC & Surrogate Summary

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Reed Wolfe	6/8/11	1	2	6/9/11 912	2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact / Not Intact	Preserved where applicable
		5			On Ice: ✓ Cooler Temp: 5.5

T78179: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: T78179 **Client:** WILLIAMS PRODUCTION **Project:** AP 41-11- 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

6/9/11

Accutest Laboratories
V:713.271.4700

10165 Harwin Drive
F: 713.271.4770

Houston, TX 77036
www/accutest.com

T78179: Chain of Custody

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ACCUTEST LABORATORIES

Sample Receipt Log

Job #: T78179 **Date / Time Received:** 6/9/2011 9:15:00 AM **Initials:** VG

Client: WILLIAMS PRODUCTION

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	T78179-1	1000 ml	1	3H	N/P	Note #2 - Preservative check not applicable.	110	6	-0.5	5.5
1	T78179-1	1000 ml	2	3H	N/P	Note #2 - Preservative check not applicable.	110	6	-0.5	5.5
1	T78179-1	1000 ml	3	3H	N/P	Note #2 - Preservative check not applicable.	110	6	-0.5	5.5
1	T78179-1	500 ml	4	1L	N/P	Note #2 - Preservative check not applicable.	110	6	-0.5	5.5
1	T78179-1	LAG	5	1L	N/P	Note #2 - Preservative check not applicable.	110	6	-0.5	5.5
1	T78179-1	LAG	6	1L	N/P	Note #2 - Preservative check not applicable.	110	6	-0.5	5.5
1	T78179-1	40 ml	7	VR	HCL	Note #1 - Preservative to be checked by analyst at the instrument.	110	6	-0.5	5.5
1	T78179-1	40 ml	8	VR	HCL	Note #1 - Preservative to be checked by analyst at the instrument.	110	6	-0.5	5.5
1	T78179-1	40 ml	9	VR	HCL	Note #1 - Preservative to be checked by analyst at the instrument.	110	6	-0.5	5.5

T78179: Chain of Custody

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