

District I  
1625 N French Dr, Hobbs, NM 88240  
District II  
1301 W Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S St Francis Dr, Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

### Release Notification and Corrective Action

#### OPERATOR

☐ Initial Report ☒ Final Report

Name of Company <b>Williams Production</b>	Contact <b>Michael K. Lane</b>
Address <b>PO Box 640</b>	Telephone No. <b>505-634-4219</b>
Facility Name <b>Cox Canyon #008 (API: 30-045-11492)</b>	Facility Type <b>Well Site</b>

Surface Owner <b>BLM</b>	Mineral Owner <b>BLM</b>	Lease No.
--------------------------	--------------------------	-----------

#### LOCATION OF RELEASE

Unit Letter <b>I</b>	Section <b>8</b>	Township <b>32 N</b>	Range <b>11W</b>	Feet from the	North/South Line	Feet from the	East/West Line	County <b>San Juan</b>
-------------------------	---------------------	-------------------------	---------------------	---------------	------------------	---------------	----------------	---------------------------

Latitude 36.99630 Longitude -108.00801

#### NATURE OF RELEASE

Type of Release <b>Produced Water w/dissolved hydrocarbons</b>	Volume of Release <b>UNK</b>	Volume Recovered <b>UNK</b>
Source of Release <b>buried fiberglass tank</b>	Date and Hour of Occurrence <b>5/4/09</b>	Date and Hour of Discovery <b>Same</b>
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.


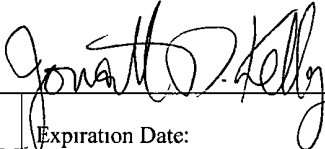
Describe Cause of Problem and Remedial Action Taken.

**Historic leakage or overfill of pit. Fiberglass pit removed and retrofitted to steel double-wall/bottom tank.**

Describe Area Affected and Cleanup Action Taken.

**See actions taken above. Based on sighting and depth to water site low risk ranking with spill closure standards of TPH <5000 ppm, BTEX <50ppm, Benzene < 10ppm, and Chlorides < 1000ppm. Lab results from excavation attached.**

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations

Signature: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Michael K. Lane</b>	Approved by District Supervisor: 	
Title: <b>SJB EH&amp;S Specialist</b>	Approval Date: <b>6/14/2012</b>	Expiration Date:
E-mail Address <b>myke.lane@williams.com</b>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <b>6/10/09</b> Phone: <b>(505) 330-3198</b>		

\* Attach Additional Sheets If Necessary

nJK1215640457

6/12/2009

10

**Lane, Myke (E&P)**

---

**From:** Lane, Myke  
**Sent:** Friday, April 24, 2009 10:59 AM  
**To:** Powell, Brandon, EMNRD  
**Subject:** Pit Closure Notice

Brandon:

Williams has tentatively scheduled initiation of closure for the following pits next week:

WELLSITE	API	FMT	SEC	TWN	RNG
COX CYN #008	3004511492	BLANCO MV	8 I	32N	11W
COX CYN #013	3004521489	PICTURE CLIFFS	20 A	32N	11W
Rosa #017A	3003926272	BLANCO MV	20 O	31N	05W
ROSA UNIT #079	3003922539	DAKOTA	22K	31N	06W

Please contact me if there are any problems or you request additional information. Thanks for your consideration

Michael K. (Myke) Lane, PE  
 EH&S Team Leader - San Juan Basin Operations  
 721 S. Main/PO Box 640, Aztec, NM 87410  
 (505) 634-4219(off); -4205(fax); 330-3198(cell)

*"The problems we face cannot be resolved at the same level of thinking as that which gave rise to them!"---shared with me by Brent Hale*

/24/2009



**EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons**

Client:	WPX	Project #:	04108-0003
Sample ID:	BGT Exc. @ 12'	Date Reported:	05-06-09
Laboratory Number:	49904	Date Sampled:	05-04-09
Chain of Custody No:	6975	Date Received:	05-04-09
Sample Matrix:	Soil	Date Extracted:	05-04-09
Preservative:	Cool	Date Analyzed:	05-05-09
Condition:	Intact	Analysis Requested:	8015 TPH

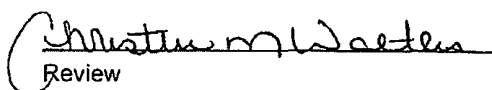
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	291	0.2
Diesel Range (C10 - C28)	505	0.1
Total Petroleum Hydrocarbons	796	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996

Comments: **Cox Cyn #8**

  
Analyst

  
Review



EPA Method 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	05-05-09 QA/QC	Date Reported:	05-06-09
Laboratory Number:	49904	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-05-09
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	05-07-07	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.9960E+002	1.0000E+003	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	291	277	4.7%	0 - 30%
Diesel Range C10 - C28	505	486	3.8%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	291	250	535	98.9%	75 - 125%
Diesel Range C10 - C28	505	250	732	97.0%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Sample 49904.

Analyst

Review



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	WPX	Project #	04108-0003
Sample ID:	BGT Exc. @ 12'	Date Reported:	05-06-09
Laboratory Number:	49904	Date Sampled:	05-04-09
Chain of Custody:	6975	Date Received:	05-04-09
Sample Matrix:	Soil	Date Analyzed:	05-05-09
Preservative:	Cool	Date Extracted:	05-04-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	47.5	1.0
Ethylbenzene	240	1.0
p,m-Xylene	4,900	1.2
o-Xylene	1,180	0.9
Total BTEX	6,370	

ND - Parameter not detected at the stated detection limit.

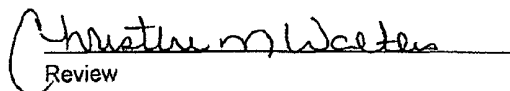
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96.0 %
	1,4-difluorobenzene	96.0 %
	Bromochlorobenzene	96.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996

Comments: Cox Cyn #8

  
Analyst

  
Review



**EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS**

Client	N/A	Project #	N/A
Sample ID:	05-05-BT QA/QC	Date Reported:	05-06-09
Laboratory Number:	49904	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-05-09
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept Range 0 - 15%			
Benzene	3.1444E+006	3.1507E+006	0.2%	ND	0.1
Toluene	1.9811E+006	1.9851E+006	0.2%	ND	0.1
Ethylbenzene	1.4761E+006	1.4791E+006	0.2%	ND	0.1
p,m-Xylene	3.2032E+006	3.2097E+006	0.2%	ND	0.1
o-Xylene	1.2983E+006	1.3009E+006	0.2%	ND	0.1

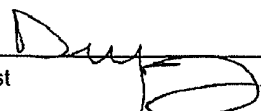
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	47.5	43.1	9.3%	0 - 30%	1.0
Ethylbenzene	240	228	5.2%	0 - 30%	1.0
p,m-Xylene	4,900	4,860	0.8%	0 - 30%	1.2
o-Xylene	1,180	1,160	1.7%	0 - 30%	0.9

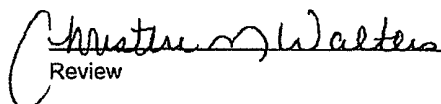
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	48.7	97.4%	39 - 150
Toluene	47.5	50.0	93.0	95.4%	46 - 148
Ethylbenzene	240	50.0	287	98.9%	32 - 160
p,m-Xylene	4,900	100	5,040	101%	46 - 148
o-Xylene	1,180	50.0	1,210	98.4%	46 - 148

ND - Parameter not detected at the stated detection limit

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.  
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996

Comments: QA/QC for Sample 49904.

Analyst 

Review 



EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client:	WPX	Project #:	04108-0003
Sample ID:	BGT Exc. @ 12'	Date Reported:	05-06-09
Laboratory Number:	49904	Date Sampled:	05-04-09
Chain of Custody No:	6975	Date Received:	05-04-09
Sample Matrix:	Soil	Date Extracted:	05-04-09
Preservative:	Cool	Date Analyzed:	05-04-09
Condition:	Intact	Analysis Needed:	TPH-418.1

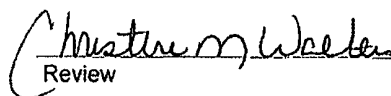
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	3,040	11.6

ND = Parameter not detected at the stated detection limit

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Cox Cyn. #8.

Analyst 

Review 



EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS  
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	05-06-09
Laboratory Number:	05-04-TPH.QA/QC 49841	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	05-04-09
Preservative:	N/A	Date Extracted:	05-04-09
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
	05-01-09	05-04-09	1,620	1,750	8.0%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	11.6

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	20.7	19.4	6.3%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	20.7	2,000	1,810	89.6%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 49840 - 49843, 49859, 49865, 49878, 49883, 49904, and 49905.

Analyst 

Review 





## Chloride

Client:	WPX	Project #:	04108-0003
Sample ID:	BGT Exc. @ 12'	Date Reported:	05-06-09
Lab ID#:	49904	Date Sampled:	05-04-09
Sample Matrix:	Soil	Date Received:	05-04-09
Preservative:	Cool	Date Analyzed:	05-05-09
Condition:	Intact	Chain of Custody:	6975

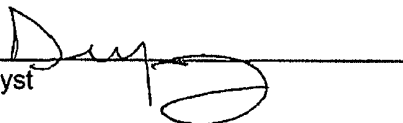
Parameter	Concentration (mg/Kg)
-----------	-----------------------

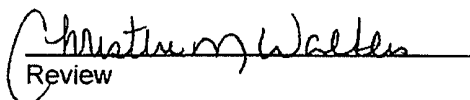
Total Chloride

6

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983  
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Cox Cyn. #8.

Analyst 

Review 

# CHAIN OF CUSTODY RECORD

6975 (Rush)

Client: <b>WPX</b>			Project Name / Location: <b>Cox Cyo #8</b>			ANALYSIS / PARAMETERS														
Client Address: <b>/</b>			Sampler Name: <b>MYKE LANE</b>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
Client Phone No.: <b>/</b>			Client No.: <b>04108-0003</b>																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative														
BGT Ec @12'	5/4	1325	49904	Soil Solid	Sludge Aqueous	1														
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
Relinquished by: (Signature)						Date	Time	Received by: (Signature)						Date	Time					
						5/4	1445							5/4/09	1445					
Relinquished by: (Signature)								Received by: (Signature)												
Relinquished by: (Signature)								Received by: (Signature)												

## ENVIROTECH INC.

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505-632-0615