

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Williams Four Corners LLC	Contact Mitch Morris
Address 188 CR 4900, Bloomfield, NM 87413	Telephone No. 505-632-4708
Facility Name Jicarilla 146-20	Facility Type Pipeline

Surface Owner Jicarilla Apache	Mineral Owner	API No.
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LOCATION OF RELEASE

Unit Letter B	Section 4	Township 25N	Range 5W	Feet from the	North/South Line	Feet from the	East/West Line	County Rio Arriba
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Latitude N36° 26.007' Longitude W107° 21.656'

36.4334155 107.3608483
NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 5 BBL	Volume Recovered 0 BBL
Source of Release Pipeline	Date and Hour of Occurrence 9/01/2014, 2:30 PM	Date and Hour of Discovery 9/01/2014, 2:30 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Bryce Hammond, Jicarilla Oil and Gas	
By Whom? Matt Webre, Environmental Supervisor	Date and Hour 9/02/2014, 7:30 AM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

OIL CONS. DIV DIST. 3

If a Watercourse was Impacted, Describe Fully.*

NOV 14 2014

Describe Cause of Problem and Remedial Action Taken.*

An operations tech vehicle struck a drip line resulting the drip valve breaking, resulting in 5 BBL of produced water leaking to the ground.

Describe Area Affected and Cleanup Action Taken.*

The operations tech immediately blocked in the well, stopping the release. The well will remain blocked-in until all repairs are made. The repaired valve was locked out/tagged out. See attached soil analytical results. No further action is required due to non-detect for BTEX, TPH, and chlorides.

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.

OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Signature:

Printed Name: Mitch Morris

Title: Environmental Specialist

E-mail Address: mitch.morris@williams.com

Date: 11/13/2014

Phone: 505-632-4708

Approval Date: 11/24/14

Expiration Date:

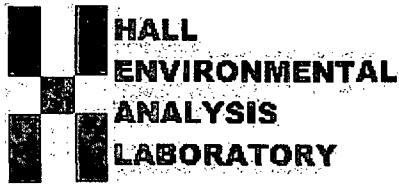
Conditions of Approval:

Attached ☐

* Attach Additional Sheets If Necessary

#10CS 1432848 864

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Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 11, 2014

Matt Webre

Williams Field Services
188 Co. Rd 4900
Bloomfield, NM 87413
TEL: (505) 632-4442
FAX

RE: Jicarilla 146 #20 Surface Composite

OrderNo.: 1411165

Dear Matt Webre:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/5/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1411165

Date Reported: 11/11/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Williams Field Services**Client Sample ID:** Jic 146 #20 Surface Comp Site**Project:** Jicarilla 146 #20 Surface Composite**Collection Date:** 11/4/2014 9:30:00 AM**Lab ID:** 1411165-001**Matrix:** SOIL**Received Date:** 11/5/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/7/2014 11:23:34 PM	16264
Surr: DNOP	121	63.5-128		%REC	1	11/7/2014 11:23:34 PM	16264
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/6/2014 4:19:56 PM	16255
Surr: BFB	91.4	80-120		%REC	1	11/6/2014 4:19:56 PM	16255
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	11/6/2014 4:19:56 PM	16255
Toluene	ND	0.047		mg/Kg	1	11/6/2014 4:19:56 PM	16255
Ethylbenzene	ND	0.047		mg/Kg	1	11/6/2014 4:19:56 PM	16255
Xylenes, Total	ND	0.095		mg/Kg	1	11/6/2014 4:19:56 PM	16255
Surr: 4-Bromofluorobenzene	94.9	80-120		%REC	1	11/6/2014 4:19:56 PM	16255
EPA METHOD 300.0: ANIONS							Analyst: LGP
Chloride	ND	30		mg/Kg	20	11/10/2014 6:50:18 PM	16315

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1411165

11-Nov-14

Client: Williams Field Services
Project: Jicarilla 146 #20 Surface Composite

Sample ID	MB-16315	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	16315	RunNo:	22456					
Prep Date:	11/10/2014	Analysis Date:	11/10/2014	SeqNo:	661887	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-16315	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	16315	RunNo:	22456					
Prep Date:	11/10/2014	Analysis Date:	11/10/2014	SeqNo:	661888	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1411165

11-Nov-14

Client: Williams Field Services
Project: Jicarilla 146 #20 Surface Composite

Sample ID	MB-16264	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	16264	RunNo:	22401					
Prep Date:	11/6/2014	Analysis Date:	11/7/2014	SeqNo:	660923	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	10		10.00		101	63.5	128			

Sample ID	MB-16266	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	16266	RunNo:	22401					
Prep Date:	11/6/2014	Analysis Date:	11/7/2014	SeqNo:	660924	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.9		10.00		79.4	63.5	128			

Sample ID	LCS-16264	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	16264	RunNo:	22401					
Prep Date:	11/6/2014	Analysis Date:	11/7/2014	SeqNo:	660925	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	101	68.6	130			
Surr: DNOP	5.0		5.000		99.3	63.5	128			

Sample ID	LCS-16266	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	16266	RunNo:	22401					
Prep Date:	11/6/2014	Analysis Date:	11/7/2014	SeqNo:	660926	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.2		5.000		84.4	63.5	128			

Sample ID	1411165-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	Jic 146 #20 Surface	Batch ID:	16264	RunNo:	22401					
Prep Date:	11/6/2014	Analysis Date:	11/7/2014	SeqNo:	660970	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.9	49.60	9.975	76.4	29.2	176			
Surr: DNOP	5.6		4.960		112	63.5	128			

Sample ID	1411165-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	Jic 146 #20 Surface	Batch ID:	16264	RunNo:	22401					
Prep Date:	11/6/2014	Analysis Date:	11/8/2014	SeqNo:	660973	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	62	10	50.00	9.975	103	29.2	176	25.1	23	R
Surr: DNOP	6.6		5.000		131	63.5	128	0	0	S

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1411165

11-Nov-14

Client: Williams Field Services
Project: Jicarilla 146 #20 Surface Composite

Sample ID	MB-16255	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	16255	RunNo:	22385					
Prep Date:	11/5/2014	Analysis Date:	11/6/2014	SeqNo:	659829	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	850		1000		85.4	80	120			

Sample ID	LCS-16255	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	16255	RunNo:	22385					
Prep Date:	11/5/2014	Analysis Date:	11/6/2014	SeqNo:	659830	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	65.8	139			
Surr: BFB	920		1000		92.4	80	120			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1411165

11-Nov-14

Client: Williams Field Services
Project: Jicarilla 146 #20 Surface Composite

Sample ID	MB-16255	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	16255	RunNo:	22385					
Prep Date:	11/5/2014	Analysis Date:	11/6/2014	SeqNo:	659841	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.88		1.000		88.2	80	120			

Sample ID	LCS-16255	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	16255	RunNo:	22385					
Prep Date:	11/5/2014	Analysis Date:	11/6/2014	SeqNo:	659842	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.050	1.000	0	96.2	80	120			
Toluene	0.96	0.050	1.000	0	96.4	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.4	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.3	80	120			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: WILLIAMS FIELD SERVI

Work Order Number: 1411165

RcptNo: 1

Received by/date:

AT 11/05/14

Logged By: Anne Thorne

11/5/2014 7:30:00 AM

Anne Thorne

Completed By: Anne Thorne

11/5/2014

Anne Thorne

Reviewed By:

11/05/14

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Client: WFS

WFS

188 CR 4900

Bloomfield Nm 87413

Phone #: 505-

email or Fax#: Matt.Weber@williams.com

QA/QC Package:

☐ Standard

- ❑ **Level 4 (Full Validation)**

Accreditation

☐ NELAP

☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard☐ **Rush**

Project Name: Jicarilla 146 #20

Surface composite

Project #:

Project Manager:

Math Webb

Sampler: *Morgan Killion*

On Ice: ☒ Yes ☐ No

Sample Temperature: 10

[illegible]

Date: 11/4/14	Time: 2:20	Relinquished by: Gary Killian
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Date:	Time:	Relinquished by:
11/4/14	1840	Christopher White

Received by: Christi White Date 11/4/14 Time 1420

Received by: *[Signature]* Date *11/05/14* Time *0730*

Remarks:



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.