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Remediation and Closure Report:

Pecos Federal #001Y
API# 30-015-24875
Talon Project #702331.002.01

Prepared For:

WPX Energy
5315 Buena Vista Drive
Carlsbad, NM 88220

Prepared By:

TALON/LPE
408 W. Texas Avenue
Artesia, New Mexico 88210

October 4, 2018

Mr. Mike Bratcher
NMOCD District 2
811 S. 1st Street
Artesia, NM 88210

Subject: **Remediation and Closure Report**
 Pecos Federal #001Y
 API # 30-015-24875

Dear Mr. Bratcher,

WPX Energy (WPX) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remediation activities, and closure report are submitted herein.

Site Information

The Pecos Federal #001Y is located approximately forty (40) miles southeast of Carlsbad, New Mexico. The legal location for this release is Unit Letter P, Section 27, Township 26 South and Range 29 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.019996 North and -103.967874 West.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services (NRCS) the soil in this area is made up of Upton-Simona complex, 1 to 15 percent slopes, eroded. The local surface and shallow geology, Paleozoic Age sedimentary deposits, is comprised of the Upper Permian Group, Quartermaster and Rustler formations, which are made up of residuum-weathered limestone underlain by very gravely loam and hard caliches. Drainage courses in this area are normally dry.

Ground Water and Site Ranking

The New Mexico Office of the State Engineer database indicates there is no published groundwater information within 5,000 meters of the release area. However, according to the Chevron Texaco Groundwater Trend Map, the groundwater in this area is between 50 to 100 feet below ground surface (BGS).

Therefore the ranking for this site is a 10 based on the following:

Depth to ground water	50-100'
Wellhead Protection Area	>1000'
Distance to surface water body	>1000'

Based upon the site ranking of 10, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, and 1,000 mg/kg for TPH. The NMOCD recommended clean-up criteria guidelines for total chlorides are 600 mg/kg.

Incident Description and Initial Remedial Actions

On July 5, 2018, a flange on a pipeline header began to leak during the transfer of fluids. The line was isolated, the flange repaired and the header was put back into service. A total of 10 barrels of produced water was released with 2 barrels being recovered. Talon mobilized personnel to the location for the initial site assessment and soil sample collection. A site plan is presented in [Appendix I](#) which illustrates the impacted area.

On July 10, 2018, Talon personnel mobilized to the site to conduct a site assessment of the release and surrounding location. On July 18, 2018, Talon personnel and equipment returned to the location to conduct remediation activities. Analytical results for all soil samples collected are presented in the following data tables.

Laboratory Results

See [Appendix II](#) for complete report of laboratory results.

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO	TPH (mg/kg) MOR	Total TPH
S-1	0	<0.300	8130	<10.0	<10.0	<10.0	<10.0
S-1	1	--	272	--	--	--	--
S-1	1 East Sidewall	--	64	--	--	--	--
S-1	1 West Sidewall	--	112	--	--	--	--
S-2	0	<0.300	576	<10.0	<10.0	<10.0	<10.0
S-2	1	--	96	--	--	--	--
S-2	1 East Sidewall	--	48	--	--	--	--
S-2	1 West Sidewall	--	48	--	--	--	--
S-3	0	<0.300	240	<10.0	<10.0	<10.0	<10.0
S-3	1	--	2280	--	--	--	--
S-3	2	--	96	--	--	--	--
S-3	2 East Sidewall	--	368	--	--	--	--

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO	TPH (mg/kg) MOR	Total TPH
S-3	2 West Sidewall	--	416	--	--	--	--
S-4	0	<0.300	2240	<10.0	<10.0	<10.0	<10.0
S-4	1	--	288	--	--	--	--
S-4	2	--	208	--	--	--	--
S-4	2 East Sidewall	--	256	--	--	--	--
S-4	2 West Sidewall	--	304	--	--	--	--
S-5	0	<0.300	416	<10.0	<10.0	<10.0	<10.0
S-5	1	--	192	--	--	--	--
S-5	1 East Sidewall	--	48	--	--	--	--
S-5	1 West Sidewall	--	160	--	--	--	--
S-6	0	<0.300	32	<10.0	<10.0	<10.0	<10.0
S-6	1	--	32	--	--	--	--
S-6	1 East Sidewall	--	112	--	--	--	--
S-6	1 West Sidewall	--	32	--	--	--	--
BG-1	0	--	64	--	--	--	--
BG-2	0	--	32	--	--	--	--
BG-3	0	--	16	--	--	--	--
BG-4	0	--	32	--	--	--	--
BG-5	0	--	16	--	--	--	--

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO	TPH (mg/kg) MOR	Total TPH
BG-6	0	--	96	--	--	--	--

--Analyte Not Tested

Remedial Actions Taken

- The impacted soil in the vicinity of soil samples S-1 and S-4 were excavated to a depth of 1-foot deep.
- The impacted soil in the vicinity of S-3 was excavated to a depth of 2-feet deep.
- The visually affected soil throughout the rest of the flow path in the vicinity of samples S-2, S-5 and S-6 was scraped to remove all potential produced water impacts.
- All contaminated soil was transported to R-360, a NMOCD approved solid waste disposal facility
- Upon analytical data confirming that all chloride issues have been addressed, the area was backfilled with locally obtained topsoil, seeded and contoured to match the local terrain.
- A Final C-141 Form is also attached. See [Appendix III](#).

Closure

On behalf of WPX Energy, we respectfully request that no further actions be required and that closure with regards to this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

Respectfully submitted,

TALON/LPE



Chris Jones
Project Manager



David J. Adkins
District Manager

Attachments:

- Appendix I Site Plan
- Appendix II Laboratory Results
- Appendix III Final C-141

APPENDIX I

SITE PLAN

Pecos Fed 1Y

WPX Energy, Eddy County, New Mexico

Legend

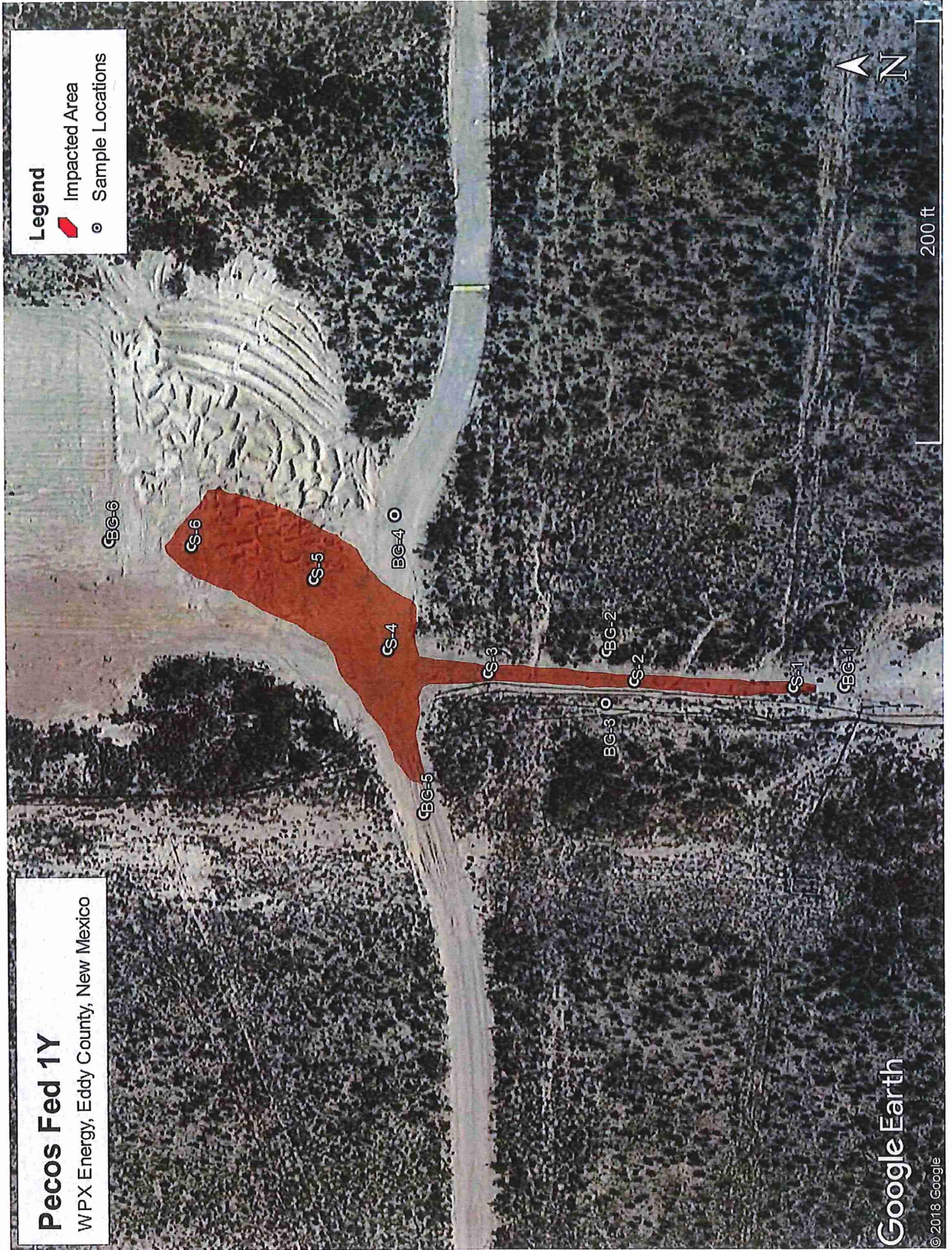
Impacted Area

Sample Locations

Google Earth

© 2018 Google

200 ft



APPENDIX II

LABORATORY RESULTS



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

July 24, 2018

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: PECOS FEDERAL 1Y

Enclosed are the results of analyses for samples received by the laboratory on 07/23/18 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 07/23/2018
Reported: 07/24/2018
Project Name: PECOS FEDERAL 1Y
Project Number: 702331.002.01
Project Location: WPX - EDDY CO NM

Sampling Date: 07/18/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BG -1 0' (H802000-01)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/24/2018	ND	416	104	400	0.00	

Sample ID: BG -2 0' (H802000-02)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/24/2018	ND	416	104	400	0.00	

Sample ID: BG -3 0' (H802000-03)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/24/2018	ND	416	104	400	0.00	

Sample ID: BG -4 0' (H802000-04)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/24/2018	ND	416	104	400	0.00	

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*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 07/23/2018
Reported: 07/24/2018
Project Name: PECOS FEDERAL 1Y
Project Number: 702331.002.01
Project Location: WPX - EDDY CO NM

Sampling Date: 07/18/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BG -5 0' (H802000-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/24/2018	ND	416	104	400	0.00	

Sample ID: BG -6 0' (H802000-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/24/2018	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 07/23/2018
Reported: 07/24/2018
Project Name: PECOS FEDERAL 1Y
Project Number: 702331.002.01
Project Location: WPX - EDDY CO NM

Sampling Date: 07/18/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S -1 0' (H802000-07)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2018	ND	1.98	99.1	2.00	0.522	
Toluene*	<0.050	0.050	07/23/2018	ND	1.97	98.3	2.00	1.59	
Ethylbenzene*	<0.050	0.050	07/23/2018	ND	1.96	98.1	2.00	1.39	
Total Xylenes*	<0.150	0.150	07/23/2018	ND	6.15	103	6.00	1.18	
Total BTEX	<0.300	0.300	07/23/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.8-142

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8130	16.0	07/24/2018	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2018	ND	218	109	200	0.810	
DRO >C10-C28*	<10.0	10.0	07/23/2018	ND	216	108	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	07/23/2018	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 98.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 07/23/2018
Reported: 07/24/2018
Project Name: PECOS FEDERAL 1Y
Project Number: 702331.002.01
Project Location: WPX - EDDY CO NM

Sampling Date: 07/18/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S -1 1' (H802000-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/24/2018	ND	416	104	400	0.00	

Sample ID: S -1 EAST SIDEWALL 1' (H802000-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/24/2018	ND	416	104	400	0.00	

Sample ID: S -1 WEST SIDEWALL 1' (H802000-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/24/2018	ND	416	104	400	0.00	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 07/23/2018
 Reported: 07/24/2018
 Project Name: PECOS FEDERAL 1Y
 Project Number: 702331.002.01
 Project Location: WPX - EDDY CO NM

 Sampling Date: 07/18/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S -2 0' (H802000-11)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2018	ND	1.98	99.1	2.00	0.522	
Toluene*	<0.050	0.050	07/23/2018	ND	1.97	98.3	2.00	1.59	
Ethylbenzene*	<0.050	0.050	07/23/2018	ND	1.96	98.1	2.00	1.39	
Total Xylenes*	<0.150	0.150	07/23/2018	ND	6.15	103	6.00	1.18	
Total BTEX	<0.300	0.300	07/23/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.8-142

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	07/24/2018	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2018	ND	218	109	200	0.810	
DRO >C10-C28*	<10.0	10.0	07/23/2018	ND	216	108	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	07/23/2018	ND					

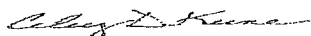
Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 96.9 % 37.6-147

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	07/23/2018	Sampling Date:	07/18/2018
Reported:	07/24/2018	Sampling Type:	Soil
Project Name:	PECOS FEDERAL 1Y	Sampling Condition:	Cool & Intact
Project Number:	702331.002.01	Sample Received By:	Tamara Oldaker
Project Location:	WPX - EDDY CO NM		

Sample ID: S -2 1' (H802000-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/24/2018	ND	416	104	400	0.00	

Sample ID: S -2 EAST SIDEWALL 1' (H802000-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/24/2018	ND	416	104	400	0.00	

Sample ID: S -2 WEST SIDEWALL 1' (H802000-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/24/2018	ND	416	104	400	0.00	

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*=Accredited Analyte

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Celestine Keene

Celestine D. Keene, Lab Director/Quality Manager



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TALON LPE
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408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 07/23/2018
Reported: 07/24/2018
Project Name: PECOS FEDERAL 1Y
Project Number: 702331.002.01
Project Location: WPX - EDDY CO NM

Sampling Date: 07/18/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S -3 0' (H802000-15)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2018	ND	1.98	99.1	2.00	0.522	
Toluene*	<0.050	0.050	07/23/2018	ND	1.97	98.3	2.00	1.59	
Ethylbenzene*	<0.050	0.050	07/23/2018	ND	1.96	98.1	2.00	1.39	
Total Xylenes*	<0.150	0.150	07/23/2018	ND	6.15	103	6.00	1.18	
Total BTX	<0.300	0.300	07/23/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.8-142

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/24/2018	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2018	ND	218	109	200	0.810	
DRO >C10-C28*	<10.0	10.0	07/24/2018	ND	216	108	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	07/24/2018	ND					

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 97.8 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 07/23/2018
Reported: 07/24/2018
Project Name: PECOS FEDERAL 1Y
Project Number: 702331.002.01
Project Location: WPX - EDDY CO NM

Sampling Date: 07/18/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S -3 1' (H802000-16)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	07/24/2018	ND	416	104	400	0.00	

Sample ID: S -3 2' (H802000-17)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/24/2018	ND	416	104	400	0.00	

Sample ID: S -3 EAST SIDEWALL 2' (H802000-18)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	07/24/2018	ND	400	100	400	0.00	QM-07

Sample ID: S -3 WEST SIDEWALL 2' (H802000-19)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/24/2018	ND	400	100	400	0.00	

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Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 07/23/2018
Reported: 07/24/2018
Project Name: PECOS FEDERAL 1Y
Project Number: 702331.002.01
Project Location: WPX - EDDY CO NM

Sampling Date: 07/18/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-4 0' (H802000-20)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2018	ND	1.98	99.1	2.00	0.522	
Toluene*	<0.050	0.050	07/23/2018	ND	1.97	98.3	2.00	1.59	
Ethylbenzene*	<0.050	0.050	07/23/2018	ND	1.96	98.1	2.00	1.39	
Total Xylenes*	<0.150	0.150	07/23/2018	ND	6.15	103	6.00	1.18	
Total BTX	<0.300	0.300	07/23/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	07/24/2018	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2018	ND	218	109	200	0.810	
DRO >C10-C28*	<10.0	10.0	07/24/2018	ND	216	108	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	07/24/2018	ND					

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 94.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 07/23/2018
Reported: 07/24/2018
Project Name: PECOS FEDERAL 1Y
Project Number: 702331.002.01
Project Location: WPX - EDDY CO NM

Sampling Date: 07/18/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S -4 1' (H802000-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/24/2018	ND	400	100	400	0.00	

Sample ID: S -4 2' (H802000-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/24/2018	ND	400	100	400	0.00	

Sample ID: S -4 EAST SIDEWALL 2' (H802000-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/24/2018	ND	400	100	400	0.00	

Sample ID: S -4 WEST SIDEWALL 2' (H802000-24)

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	304	16.0	07/24/2018	ND	400	100	400	0.00			

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Colley D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 07/23/2018
 Reported: 07/24/2018
 Project Name: PECOS FEDERAL 1Y
 Project Number: 702331.002.01
 Project Location: WPX - EDDY CO NM

 Sampling Date: 07/18/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S -5 0' (H802000-25)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2018	ND	1.98	99.1	2.00	0.522	
Toluene*	<0.050	0.050	07/23/2018	ND	1.97	98.3	2.00	1.59	
Ethylbenzene*	<0.050	0.050	07/23/2018	ND	1.96	98.1	2.00	1.39	
Total Xylenes*	<0.150	0.150	07/23/2018	ND	6.15	103	6.00	1.18	
Total BTEX	<0.300	0.300	07/23/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.8-142

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/24/2018	ND	400	100	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2018	ND	218	109	200	0.810	
DRO >C10-C28*	<10.0	10.0	07/24/2018	ND	216	108	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	07/24/2018	ND					

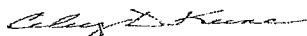
Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 07/23/2018
Reported: 07/24/2018
Project Name: PECOS FEDERAL 1Y
Project Number: 702331.002.01
Project Location: WPX - EDDY CO NM

Sampling Date: 07/18/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S -5 1' (H802000-26)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/24/2018	ND	400	100	400	0.00	

Sample ID: S -5 EAST SIDEWALL 1' (H802000-27)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/24/2018	ND	400	100	400	0.00	

Sample ID: S -5 WEST SIDEWALL 1' (H802000-28)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/24/2018	ND	400	100	400	0.00	

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Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 07/23/2018
Reported: 07/24/2018
Project Name: PECOS FEDERAL 1Y
Project Number: 702331.002.01
Project Location: WPX - EDDY CO NM

Sampling Date: 07/18/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S -6 0' (H802000-29)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2018	ND	1.98	99.1	2.00	0.522	
Toluene*	<0.050	0.050	07/23/2018	ND	1.97	98.3	2.00	1.59	
Ethylbenzene*	<0.050	0.050	07/23/2018	ND	1.96	98.1	2.00	1.39	
Total Xylenes*	<0.150	0.150	07/23/2018	ND	6.15	103	6.00	1.18	
Total BTX	<0.300	0.300	07/23/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/24/2018	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2018	ND	218	109	200	0.810	
DRO >C10-C28*	<10.0	10.0	07/24/2018	ND	216	108	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	07/24/2018	ND					

Surrogate: 1-Chlorooctane 97.4 % 41-142

Surrogate: 1-Chlorooctadecane 90.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 07/23/2018
Reported: 07/24/2018
Project Name: PECOS FEDERAL 1Y
Project Number: 702331.002.01
Project Location: WPX - EDDY CO NM

Sampling Date: 07/18/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S -6 1' (H802000-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/24/2018	ND	400	100	400	0.00	

Sample ID: S -6 EAST SIDEWALL 1' (H802000-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/24/2018	ND	400	100	400	0.00	

Sample ID: S -6 WEST SIDEWALL 1' (H802000-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/24/2018	ND	400	100	400	0.00	

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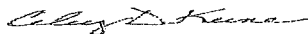
Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

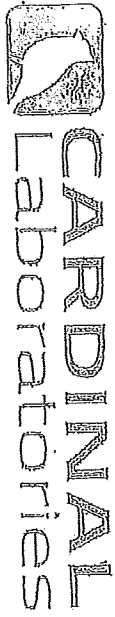
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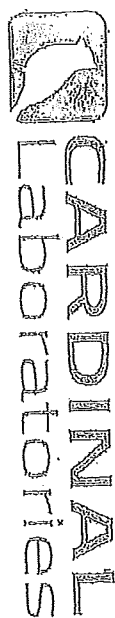


CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 4

101 East Highland, Hobbs, NM 88240
(505) 393-8326 FAX (505) 393-2476

Company Name: Talon/LPE		P.O. #:		ANALYSIS REQUEST	
Project Manager: E. Adkins		Company: Talon/LPE			
Address: 408 W. Texas Ave.		City:			
City: Artesia		State: NM Zip: 88210			
Phone #: 505-746-8768		Fax #: 505-746-8905			
Project #: 102331.002.01		Project Owner: WPA			
Project Name: Pecos Federal 1 2Y		City:			
Project Location: Eddy County		State:			
Sampler Name: J. Lewis		Phone #:			
For Use Only:		Fax #:			
Lab ID:		Matrix:		SAMPLING	
Sample ID:		PRESERV:			
HSD2000		DATE		TIME	
1 AG-1 0'		7-18-18		0600	
2 AG-3 0'		0804		0604	
3 AG-3 0'		0805		0605	
4 AG-4 0'		0808		0610	
5 AG-5 0'		0810		0610	
6 AG-5 0'		0802		0602	
7 AG-1 0'		0804		0604	
8 AG-1 0'		0805		0605	
9 AG-1 0'		0805		0605	
10 AG-1 0'		0805		0605	
11 AG-1 0'		0805		0605	
12 AG-1 0'		0805		0605	
13 AG-1 0'		0805		0605	
14 AG-1 0'		0805		0605	
15 AG-1 0'		0805		0605	
16 AG-1 0'		0805		0605	
17 AG-1 0'		0805		0605	
18 AG-1 0'		0805		0605	
19 AG-1 0'		0805		0605	
20 AG-1 0'		0805		0605	
21 AG-1 0'		0805		0605	
22 AG-1 0'		0805		0605	
23 AG-1 0'		0805		0605	
24 AG-1 0'		0805		0605	
25 AG-1 0'		0805		0605	
26 AG-1 0'		0805		0605	
27 AG-1 0'		0805		0605	
28 AG-1 0'		0805		0605	
29 AG-1 0'		0805		0605	
30 AG-1 0'		0805		0605	
31 AG-1 0'		0805		0605	
32 AG-1 0'		0805		0605	
33 AG-1 0'		0805		0605	
34 AG-1 0'		0805		0605	
35 AG-1 0'		0805		0605	
36 AG-1 0'		0805		0605	
37 AG-1 0'		0805		0605	
38 AG-1 0'		0805		0605	
39 AG-1 0'		0805		0605	
40 AG-1 0'		0805		0605	
41 AG-1 0'		0805		0605	
42 AG-1 0'		0805		0605	
43 AG-1 0'		0805		0605	
44 AG-1 0'		0805		0605	
45 AG-1 0'		0805		0605	
46 AG-1 0'		0805		0605	
47 AG-1 0'		0805		0605	
48 AG-1 0'		0805		0605	
49 AG-1 0'		0805		0605	
50 AG-1 0'		0805		0605	
51 AG-1 0'		0805		0605	
52 AG-1 0'		0805		0605	
53 AG-1 0'		0805		0605	
54 AG-1 0'		0805		0605	
55 AG-1 0'		0805		0605	
56 AG-1 0'		0805		0605	
57 AG-1 0'		0805		0605	
58 AG-1 0'		0805		0605	
59 AG-1 0'		0805		0605	
60 AG-1 0'		0805		0605	
61 AG-1 0'		0805		0605	
62 AG-1 0'		0805		0605	
63 AG-1 0'		0805		0605	
64 AG-1 0'		0805		0605	
65 AG-1 0'		0805		0605	
66 AG-1 0'		0805		0605	
67 AG-1 0'		0805		0605	
68 AG-1 0'		0805		0605	
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232 AG-1 0'		0805		0605	
233					



2 of 4
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

701 East Maryland, Hobbs, NM 88240
(505) 398-2326 FAX (505) 398-2476

Company Name: Talon/PE		P.O. #		ANALYSIS REQUEST	
Project Manager: B. Adkins		Company: Talon/PE			
Address: 408 W. Texas Ave.		City:			
City: Artesia		State: NM Zip: 88210			
Phone #: 575-746-8768		Fax #: 575-746-8905			
Project #: 103331.002.01		Project Owner: WDPX			
Project Name: Pecos Federal 12Y		City:			
Project Location: 64th Corral		State: Zip:			
Sampled Name: J. Luvall		Phone #:			
FOR LAB USE ONLY		PRESERV. SAMPLING			
Lab ID:	Sample ID:	DATE	TIME		
H80200	5-3	0	7:15/80608	TPH EXT	
11	5-3	0	0810	BTEX	
12	5-3	0	0812	Chlorides	
13	5-3 East Sidewalk 1'	1	0814		
14	5-3 West Sidewalk 1'	1	0816		
15	5-3	0	0818		
16	5-3	1	0820		
17	5-3	1	0822		
18	5-3 East Sidewalk 2'	1	0824		
19	5-3 West Sidewalk 11.2'	1	0826		
20	5-4	0	0828		

ANALYSIS REQUEST

REMARKS:

Prepared By: J. Luvall

Received By: J. Luvall

Sample Condition: Cool, intact

Checked By: J. Luvall

Signature: Rush

W
f
1

TELETYPE

Lab I.D.		Sample I.D.	(C)RAB OR (C)OM	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER:	DATE	TIME	TPH	B.T.	Chk
H307000																		
21	5-1	1'	✓	1										11-18	0830			
22	5-1	1'												0830				
23	5-1 East Sidewalk	1'												0830				
24	5-1 West Sidewalk	2'												0830				
25	5-5	0'												0836		✓		
26	5-5	1'												0838				
27	5-5 East Sidewalk	1'												0840				
28	5-5 East Sidewalk	1'												0842				
29	5-6	0'												0844		✓		
30	5-6	1'												0846				

Received by _____ Date _____	Received by _____ Date _____
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Prepared By: <i>Paul J. Lewis</i>	Date: <i>11/30</i>	Prepared By: <i>Michelle L. Lewis</i>
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Time

Delivered By: (Circle One)	4.8c	Shipping Container	Yes	No
Sample - UPS - Bus - Other	4.75c	Cost Index	Yes	No
		Formals	Yes	No

[illegible]

1251

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Mainland, Hobbs, NM 88246
(505) 393-2326 FAX (505) 393-2475

[illegible]

APPENDIX III

FINAL C-141

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 April 3, 2017

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	RKI Exploration/WPX Energy	Contact	James Raley
Address	5315 Buena Vista Dr., Carlsbad, NM 88220	Telephone No.	575-689-7597
Facility Name	Pecos Federal #001 Y	Facility Type	Production
Surface Owner	Federal	Mineral Owner	Federal
		API No.	30-015-24875

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	27	26S	29E	690'	FSL	660'	FEL	Eddy

Latitude 32.019996 N Longitude -103.967874 W NAD83

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	10 bbls	Volume Recovered	2 bbls
Source of Release	Pipeline Flange	Date and Hour of Occurrence	7/5/2018 @ 10:20AM	Date and Hour of Discovery	7/5/2018 @ 10:30 AM
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Artesia District I, NMOCD- Mike Bratcher/ Shelly Tucker		
By Whom?	Karolina Blaney	Date and Hour	7/5/2018 @ 3:05 PM		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	N/A		

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

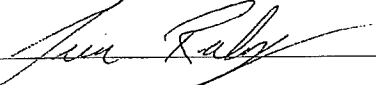
A flange on the pipeline header began to leak during a transfer of fluids. The line was isolated and the flange was tightened to stop the leak. A vac truck was dispatched and was able to recover 2 bbls of fluids.

Describe Area Affected and Cleanup Action Taken.*

Spill occurred just off-site on pipeline ROW at app 32.019996, -103.967874. Fluids impacted area near header and flowed downhill onto private land. The landowner was contacted regarding the release. Talon/LPE carried out immediate response and excavation of the contaminated soil, samples were collected to confirm cleanup was complete and excavated area was backfilled with clean soil and was contoured to match the surrounding landscape. Excavation activities are completed and confirmation bottom and sidewall samples are in compliance with NMOCD RRAL's. A formal site characterization and closure report is attached. WPX Energy is respectfully requesting closure for this incident.

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

Signature: 	Approved by Environmental Specialist:		
Printed Name: James Raley			
Title: Environmental Specialist	Approval Date:	Expiration Date:	
E-mail Address: james.ralej@wpxenergy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 8/30/18	Phone: 575-689-7597		

* Attach Additional Sheets If Necessary