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408 West Texas Ave.
Artesia, New Mexico 88210
Phone 575.746.8768
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318 East Taylor Street
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MIDLAND
2901 State Highway 349
Midland, Texas 79706
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OKLAHOMA CITY
7700 North Hudson Ave
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Oklahoma City, Oklahoma 73116
Phone 405.486.7030
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SAN ANTONIO
13111 Lookout Way
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ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

September 4, 2014

Dr. Thomas Oberding
NMOCD District 2
1625 N. French Dr.
Hobbs, NM 88240

Subject: **Soil Assessment and Remediation Work Plan**
Devon Energy Corporation
PennyPacker 17 State #001H
30-025-40681

Dear Dr. Oberding,

Devon Energy Corporation (Devon) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities consist of the following.

Background Information

The PennyPacker 17 State #001H is located approximately thirty-five miles southwest of Hobbs, New Mexico. The legal location for this site is Unit Letter O, Section 17, Township 21 South, and Range 34 East. In Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.472487 North and -103.489835 West.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of the Kimbrough gravelly loam with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, The local surface and shallow geology is comprised of Holocene to middle Pleistocene eolian deposits. Drainage courses in this area are normally dry. Groundwater in the project vicinity is approximately 120-feet below ground surface (bgs) according to the New Mexico Office of the State Engineer. See [Appendix II](#) for the referenced groundwater data.

The ranking for this site is **0** based on the following:

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

Incident Description

On June 18, 2014 a 20bbl oil release was discovered. The lease operator discovered that the housing on the LACT unit pump cracked resulting in the 20bbl release. A vacuum truck was immediately called to recover fluids. 15bbls of oil were recovered from the lined metal containment and 2.5bbls of oil were recovered from the ground.

Laboratory Results

Laboratory Results

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

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0	847	2920	14100	88600
S-1	1	855	928	10800	29600
S-1	2	ND	64	10.3	191
S-1	3.5	ND	48	10.2	217
S-2	0	393	400	3440	26200
S-2	1	413	1340	4010	16500
S-2	2	47.6	528	525	3180
S-2	3.5	28	160	312	2450
S-3	0	148	432	2040	36500
S-3	1	287	1360	2810	16000
S-3	2	0.82	48	10.2	74.5
S-3	4	ND	16	ND	ND

(ND) Analyte Not Detected

Based upon the site ranking of **0**, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, 5,000 mg/kg for TPH, and 1,000 mg/kg for chlorides.

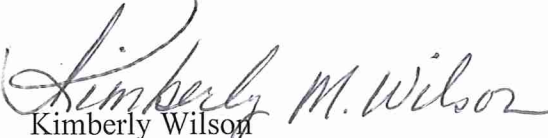
Proposed Remedial Actions

- The impacted area will be excavated to a depth of 2-feet bgs.
- All of the excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- The excavation will be backfilled with caliche and contoured to match the surrounding location.

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

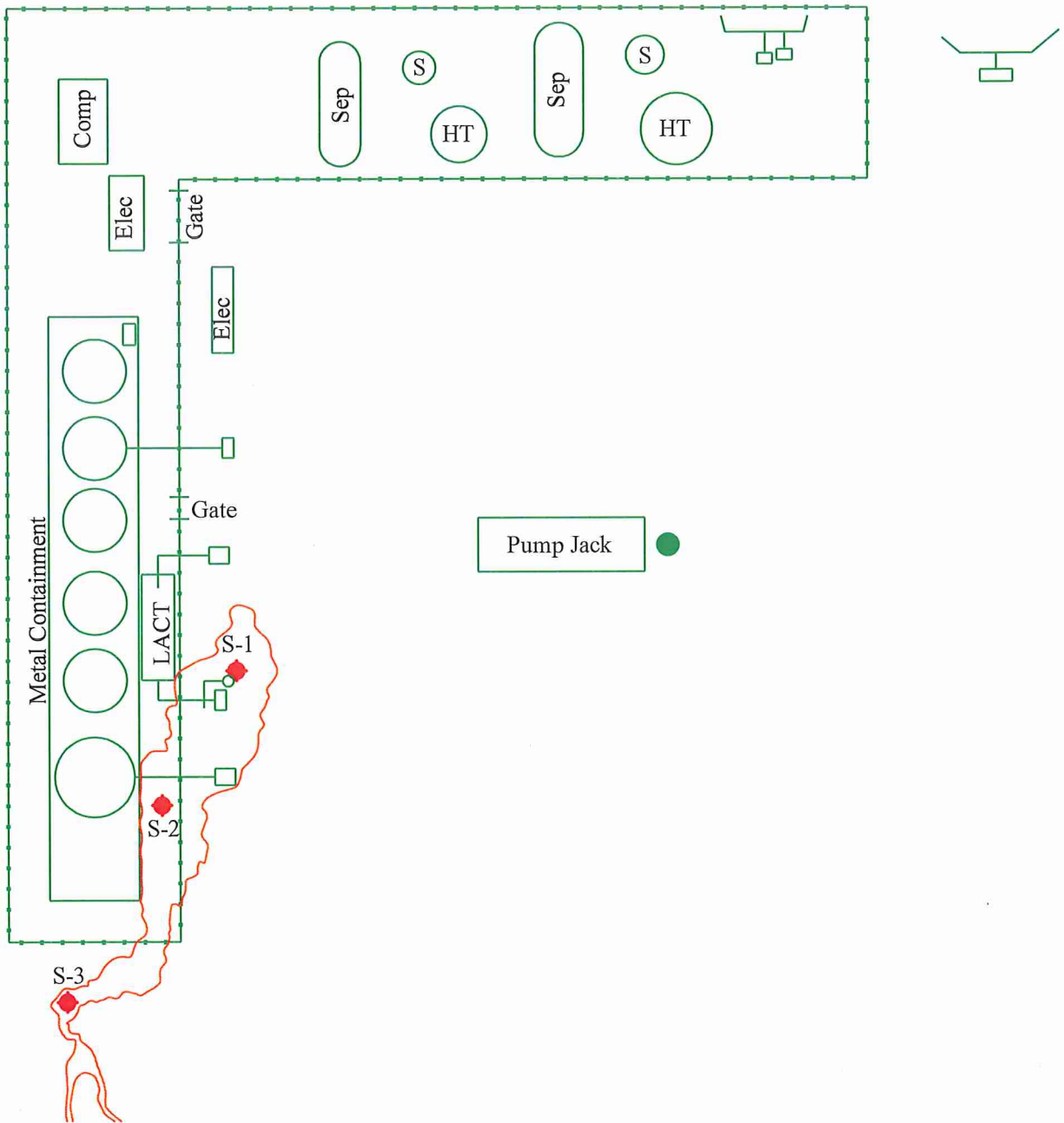
Respectfully submitted,

TALON/LPE

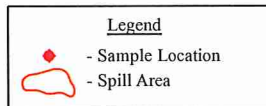

Kimberly Wilson
Project Manager


Sheldon Hitchcock
Project Manager

SITE PLAN



0 30 60
Scale in Feet



Date: 07/22/2014
Scale: 1" = 60'
Drawn By: TJS

Penny Packer 17 State #1
Devon Energy Corporation
Lea County, New Mexico
Figure 1 - Site Plan

GROUNDWATER DATA
INITIAL C-141



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has
been replaced,
O=orphaned,
C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00498			LE	2	4	08	21S	34E		642287	3595932*	2114	145	120	25
CP 01091 POD1			LE	3	3	2	28	21S	34E	643447	3591434	2684	200	140	60
CP 01067 POD1			LE	1	3	4	28	21S	34E	643448	3591342	2766	210	140	70
CP 01066 POD1			LE	4	3	2	28	21S	34E	643735	3591345	2903	210	140	70

Average Depth to Water: **135 feet**

Minimum Depth: **120 feet**

Maximum Depth: **140 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 642215

Northing (Y): 3593819

Radius: 3000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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 Devon Energy	Contact Kenny Kidd
Address PO Box 250 Artesia, NM 88211	Telephone No. 575- 513-8545
Facility Name Penny Packer 17 State 1H	Facility Type Oil

Surface Owner: State of New Mexico	Mineral Owner: State of New Mexico	API No. 30-025-40681
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LOCATION OF RELEASE

Unit Letter O	Section 17	Township 21S	Range 34E	Feet from the 330	North/South Line SOUTH	Feet from the 1980	East/West Line East	County LEA
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Latitude: **N32°28'21.06"** Longitude: **W103°29'23.50"**

NATURE OF RELEASE

Type of Release: Oil	Volume of Release 20bbls	Volume Recovered 17.5bbls
Source of Release: Crack on housing of the lact unit pump	Date and Hour of Occurrence June 18, 2014 7:45 AM	Date and Hour of Discovery June 18, 2014 7:45 AM
Was Immediate Notice Given? <div><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required</div>	If YES, To Whom? Garry Michael-Assistant Foreman/Kenny Kidd-Foreman/Robert Handy Lease Operator/Amancio Cruz-EHS/Roy White-Sr Production Foreman/OCD-Voicemail	
By Whom? Zaul Alvarado	Date and Hour: June 18, 2014 7:45 AM	
Was a Watercourse Reached? <div><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</div>	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		

Describe Cause of Problem and Remedial Action Taken.***At the Penny Packer 17 State #1, the lease operator discovered that the housing on the lact unit pump cracked resulting in a 20 barrel oil release. The lease operator closed the valve to the lact unit and notified Basic for vacuum services. 15 barrels were recovered from the metal lined containment and 2.5 barrels were recovered from the ground.**

Describe Area Affected and Cleanup Action Taken.*

The area affected within the facility was 88 feet wide by 22 feet long. Talon LPE was contacted to perform the site assessment and soil sampling activities.

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: <i>Shammy Ingram</i>	OIL CONSERVATION DIVISION	
Printed Name: Shammy Ingram		
Title: Field Admin Support	Approval Date:	Expiration Date:
E-mail Address: Shammy. Ingram@dvn.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: June 26, 2014 Phone: 575-748-0174		

* Attach Additional Sheets If Necessary

LABORATORY RESULTS



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

June 26, 2014

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: PENNY PACKER 17 STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 06/20/14 13:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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

Analytical Results For:

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

Received: 06/20/2014
Reported: 06/26/2014
Project Name: PENNY PACKER 17 STATE #1
Project Number: 700794.114.01
Project Location: 0-17-21-34

Sampling Date: 06/20/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-1 0' (H401865-01)

BTX 8021B		mg/kg		Analyzed By: CK				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	59.9	10.0	06/24/2014	ND	2.07	104	2.00	4.55	
Toluene*	335	10.0	06/24/2014	ND	2.22	111	2.00	5.31	
Ethylbenzene*	144	10.0	06/24/2014	ND	2.02	101	2.00	4.77	
Total Xylenes*	309	30.0	06/24/2014	ND	6.25	104	6.00	4.32	
Total BTX	847	60.0	06/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	06/23/2014	ND	416	104	400	3.92	
TPH 8015M									

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	14100	100	06/23/2014	ND	181	90.3	200	3.55	
DRO >C10-C28	88600	100	06/23/2014	ND	197	98.3	200	6.86	

Surrogate: 1-Chlorooctane 666 % 65.2-140

Surrogate: 1-Chlorooctadecane 2440 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/20/2014	Sampling Date:	06/20/2014
Reported:	06/26/2014	Sampling Type:	Soil
Project Name:	PENNY PACKER 17 STATE #1	Sampling Condition:	Cool & Intact
Project Number:	700794.114.01	Sample Received By:	Kathy Perez
Project Location:	0-17-21-34		

Sample ID: S-1 1' (H401865-02)

BTEX 8021B		mg/kg		Analyzed By: CK				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	37.7	2.50	06/25/2014	ND	2.07	104	2.00	4.55	
Toluene*	332	2.50	06/25/2014	ND	2.22	111	2.00	5.31	
Ethylbenzene*	156	2.50	06/25/2014	ND	2.02	101	2.00	4.77	
Total Xylenes*	329	7.50	06/25/2014	ND	6.25	104	6.00	4.32	
Total BTEX	855	15.0	06/25/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 133 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	06/23/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10800	100	06/23/2014	ND	157	78.6	200	2.35	
DRO >C10-C28	29600	100	06/23/2014	ND	187	93.4	200	4.48	

Surrogate: 1-Chlorooctane 467 % 65.2-140

Surrogate: 1-Chlorooctadecane 667 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 06/20/2014
 Reported: 06/26/2014
 Project Name: PENNY PACKER 17 STATE #1
 Project Number: 700794.114.01
 Project Location: 0-17-21-34

 Sampling Date: 06/20/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-2 0' (H401865-03)

BTX 8021B		mg/kg		Analyzed By: CK				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.40	1.00	06/25/2014	ND	2.07	104	2.00	4.55	
Toluene*	110	1.00	06/25/2014	ND	2.22	111	2.00	5.31	
Ethylbenzene*	78.5	1.00	06/25/2014	ND	2.02	101	2.00	4.77	
Total Xylenes*	170	3.00	06/25/2014	ND	6.25	104	6.00	4.32	
Total BTX	363	6.00	06/25/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 141 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	06/23/2014	ND	416	104	400	0.00	
TPH 8015M									

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3440	100	06/23/2014	ND	157	78.6	200	2.35	
DRO >C10-C28	26200	100	06/23/2014	ND	187	93.4	200	4.48	

Surrogate: 1-Chlorooctane 219 % 65.2-140

Surrogate: 1-Chlorooctadecane 694 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/20/2014
Reported: 06/26/2014
Project Name: PENNY PACKER 17 STATE #1
Project Number: 700794.114.01
Project Location: 0-17-21-34

Sampling Date: 06/20/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-2 1' (H401865-04)

BTEX 8021B		mg/kg		Analyzed By: CK				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.73	0.500	06/24/2014	ND	2.07	104	2.00	4.55	
Toluene*	109	0.500	06/24/2014	ND	2.22	111	2.00	5.31	
Ethylbenzene*	92.6	0.500	06/24/2014	ND	2.02	101	2.00	4.77	
Total Xylenes*	209	1.50	06/24/2014	ND	6.25	104	6.00	4.32	
Total BTEX	413	3.00	06/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 252 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	06/23/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4010	50.0	06/23/2014	ND	157	78.6	200	2.35	
DRO >C10-C28	16500	50.0	06/23/2014	ND	187	93.4	200	4.48	

Surrogate: 1-Chlorooctane 244 % 65.2-140

Surrogate: 1-Chlorooctadecane 359 % 63.6-154

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*=Accredited Analyte

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

Received: 06/20/2014
Reported: 06/26/2014
Project Name: PENNY PACKER 17 STATE #1
Project Number: 700794.114.01
Project Location: 0-17-21-34

Sampling Date: 06/20/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-3 0' (H401865-05)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.703	0.200	06/24/2014	ND	2.07	104	2.00	4.55	
Toluene*	31.0	0.200	06/24/2014	ND	2.22	111	2.00	5.31	
Ethylbenzene*	34.5	0.200	06/24/2014	ND	2.02	101	2.00	4.77	
Total Xylenes*	81.3	0.600	06/24/2014	ND	6.25	104	6.00	4.32	
Total BTEX	148	1.20	06/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	06/23/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2040	100	06/23/2014	ND	157	78.6	200	2.35		
DRO >C10-C28	36500	100	06/23/2014	ND	187	93.4	200	4.48		

Surrogate: 1-Chlorooctane 207 % 65.2-140

Surrogate: 1-Chlorooctadecane 1020 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/20/2014	Sampling Date:	06/20/2014
Reported:	06/26/2014	Sampling Type:	Soil
Project Name:	PENNY PACKER 17 STATE #1	Sampling Condition:	Cool & Intact
Project Number:	700794.114.01	Sample Received By:	Kathy Perez
Project Location:	0-17-21-34		

Sample ID: S-3 1' (H401865-06)

BTEX 8021B		mg/kg		Analyzed By: CK				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.12	0.500	06/24/2014	ND	2.07	104	2.00	4.55	
Toluene*	53.7	0.500	06/24/2014	ND	2.22	111	2.00	5.31	
Ethylbenzene*	67.7	0.500	06/24/2014	ND	2.02	101	2.00	4.77	
Total Xylenes*	164	1.50	06/24/2014	ND	6.25	104	6.00	4.32	
Total BTEX	287	3.00	06/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 267 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	06/23/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2810	50.0	06/23/2014	ND	157	78.6	200	2.35	
DRO >C10-C28	16000	50.0	06/23/2014	ND	187	93.4	200	4.48	


Surrogate: 1-Chlorooctane 222 % 65.2-140

Surrogate: 1-Chlorooctadecane 354 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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

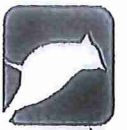
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Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

ANALYSIS REQUEST

Company Name: Talon/LPE		P.O. #:	
Project Manager: Kimberly W. 10/15/07		Company: Talon/LPE	
Address: 408 W. Texas Ave.		Attn:	
City: Artesia		State: NM Zip: 88210	
Phone #: 575-746-8768		Fax #: 575-746-8905	
Project #: 100794.114.61		Project Owner:	
Project Name: Penny Hooker 17 State #1		City:	
Project Location: 0-17-01-34		State: Zip:	
Sampler Name: Kim W. 10/15/07		Phone #:	
Fax #:		PRESERV. SAMPLING	
FOR LAB USE ONLY		MATRIX	
Lab I.D.	Sample I.D.	(G)RAB OR (G)OMP.	# CONTAINERS
#401865	5-1 0'	GROUNDWATER	WASTEWATER
	5-1 0'	SOIL	OIL
	5-2 0'	SLUDGE	OTHER:
	5-2 0'	ACID/BASE:	ICE / COOL
	5-3 0'	OTHER:	DATE
	5-3 0'	TIME	
Relinquished By: Kimberly W. 10/15/07		Date Received By: Kimberly W. 10/15/07	
Time: 1:05		Time: 11:50	
Delivered By: (Circle One) 5.6°C		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Checked By: (Initials) KB	
REMARKS:		Chlorides TPH BTEX	



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

August 06, 2014

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: PENNY PACKER 17 STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 07/30/14 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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

Analytical Results For:

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

Received: 07/30/2014
Reported: 08/06/2014
Project Name: PENNY PACKER 17 STATE #1
Project Number: 700794.114.01
Project Location: 0-17-21-34

Sampling Date: 07/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-1 2' (H402347-01)

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	08/02/2014	ND	1.64	82.2	2.00	14.7	
Toluene*	<0.050	0.050	08/02/2014	ND	1.67	83.7	2.00	13.2	
Ethylbenzene*	<0.050	0.050	08/02/2014	ND	1.61	80.7	2.00	13.6	
Total Xylenes*	<0.150	0.150	08/02/2014	ND	5.02	83.7	6.00	13.1	
Total BTEX	<0.300	0.300	08/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/04/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10.3	10.0	08/02/2014	ND	179	89.3	200	10.2	
DRO >C10-C28	191	10.0	08/02/2014	ND	181	90.3	200	10.8	

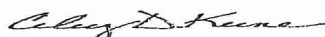
Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/30/2014
Reported: 08/06/2014
Project Name: PENNY PACKER 17 STATE #1
Project Number: 700794.114.01
Project Location: 0-17-21-34

Sampling Date: 07/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-1 3.5' (R) REFUSAL (H402347-02)

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	08/02/2014	ND	1.64	82.2	2.00	14.7	
Toluene*	<0.050	0.050	08/02/2014	ND	1.67	83.7	2.00	13.2	
Ethylbenzene*	<0.050	0.050	08/02/2014	ND	1.61	80.7	2.00	13.6	
Total Xylenes*	<0.150	0.150	08/02/2014	ND	5.02	83.7	6.00	13.1	
Total BTEX	<0.300	0.300	08/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/04/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10.2	10.0	08/02/2014	ND	179	89.3	200	10.2	
DRO >C10-C28	217	10.0	08/02/2014	ND	181	90.3	200	10.8	

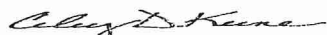
Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/30/2014
Reported: 08/06/2014
Project Name: PENNY PACKER 17 STATE #1
Project Number: 700794.114.01
Project Location: 0-17-21-34

Sampling Date: 07/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-2 2' (H402347-03)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	08/02/2014	ND	1.64	82.2	2.00	14.7	
Toluene*	7.20	0.500	08/02/2014	ND	1.67	83.7	2.00	13.2	
Ethylbenzene*	5.85	0.500	08/02/2014	ND	1.61	80.7	2.00	13.6	
Total Xylenes*	34.5	1.50	08/02/2014	ND	5.02	83.7	6.00	13.1	
Total BTEX	47.6	3.00	08/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 140 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	08/04/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	525	10.0	08/02/2014	ND	179	89.3	200	10.2		
DRO >C10-C28	3180	10.0	08/02/2014	ND	181	90.3	200	10.8		

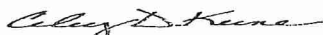
Surrogate: 1-Chlorooctane 153 % 65.2-140

Surrogate: 1-Chlorooctadecane 153 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/30/2014
 Reported: 08/06/2014
 Project Name: PENNY PACKER 17 STATE #1
 Project Number: 700794.114.01
 Project Location: 0-17-21-34

 Sampling Date: 07/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-2 3.5' (R) REFUSAL (H402347-04)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2014	ND	1.64	82.2	2.00	14.7	
Toluene*	3.85	0.050	08/02/2014	ND	1.67	83.7	2.00	13.2	
Ethylbenzene*	4.86	0.050	08/02/2014	ND	1.61	80.7	2.00	13.6	
Total Xylenes*	19.3	0.150	08/02/2014	ND	5.02	83.7	6.00	13.1	
Total BTEX	28.0	0.300	08/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 304 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/04/2014	ND	416	104	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	312	10.0	08/02/2014	ND	179	89.3	200	10.2	
DRO >C10-C28	2450	10.0	08/02/2014	ND	181	90.3	200	10.8	

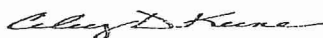
Surrogate: 1-Chlorooctane 142 % 65.2-140

Surrogate: 1-Chlorooctadecane 147 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/30/2014
Reported: 08/06/2014
Project Name: PENNY PACKER 17 STATE #1
Project Number: 700794.114.01
Project Location: 0-17-21-34

Sampling Date: 07/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-3 2' (H402347-05)

BTEX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2014	ND	1.64	82.2	2.00	14.7	
Toluene*	<0.050	0.050	08/02/2014	ND	1.67	83.7	2.00	13.2	
Ethylbenzene*	0.176	0.050	08/02/2014	ND	1.61	80.7	2.00	13.6	
Total Xylenes*	0.642	0.150	08/02/2014	ND	5.02	83.7	6.00	13.1	
Total BTEX	0.819	0.300	08/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/04/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10.2	10.0	08/02/2014	ND	179	89.3	200	10.2	
DRO >C10-C28	74.5	10.0	08/02/2014	ND	181	90.3	200	10.8	

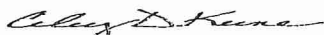
Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/30/2014
Reported: 08/06/2014
Project Name: PENNY PACKER 17 STATE #1
Project Number: 700794.114.01
Project Location: 0-17-21-34

Sampling Date: 07/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-3 4' (R) REFUSAL (H402347-06)

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	08/02/2014	ND	1.64	82.2	2.00	14.7	
Toluene*	<0.050	0.050	08/02/2014	ND	1.67	83.7	2.00	13.2	
Ethylbenzene*	<0.050	0.050	08/02/2014	ND	1.61	80.7	2.00	13.6	
Total Xylenes*	<0.150	0.150	08/02/2014	ND	5.02	83.7	6.00	13.1	
Total BTEX	<0.300	0.300	08/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/04/2014	ND	416	104	400	3.92	

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	08/02/2014	ND	179	89.3	200	10.2	
DRO >C10-C28	<10.0	10.0	08/02/2014	ND	181	90.3	200	10.8	

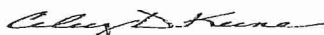
Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

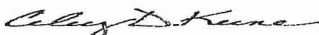
Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
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

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Merland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: <u>Valco/4pc</u>		P.O. #: <u>Valco/4pc</u>		ANALYSIS REQUEST		
Project Manager: <u>K. L. Johnson</u>		Company:				
Address: <u>408 W. Texas</u>		Attn:				
City: <u>Artesia</u>		Address:				
State: <u>NM</u> Zip: <u>88210</u>		City:				
Phone #: <u>505-746-0266</u> Fax #: _____		State:		Zip:		
Project #: <u>76077411461</u> Project Owner: <u>Devon</u>		Phone #:				
Project Name: <u>Penal Facility 12 Stok #1</u>		Fax #:				
Project Location: <u>Leed County</u>						
Sample Name: <u>Garza</u>						
FOR LAB USE ONLY						
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING
				GROUNDWATER		
				WASTEWATER		
				SOIL		
				OIL		
				SLUDGE		
				OTHER:		
				ACID/BASE:		
				ICE / COOL		
				OTHER:		
				DATE	TIME	
14403417	S-1 2"			201410:35	10:50	1PH
	S-1 3.5 (R) Refresh				12:15	Total Chlorides
	S-2 2"				12:30	BTEX
	S-2 3.5 (R) Refresh				1:00	
	S-3 2"				1:25	
	S-3 4" (R) Refresh					
<p>PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>						
Relinquished By: <u>[Signature]</u>		Received By: <u>[Signature]</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:		
Time: <u>2:00</u>		Date: <u>10/30/14</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:		
Delivered By: (Circle One)		Sample Condition		CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other: <u>480 #51</u>		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		<u>[Signature]</u>		
		Yes <input type="checkbox"/> No <input type="checkbox"/>				
		Yes <input type="checkbox"/> No <input type="checkbox"/>				
REMARKS:						

* Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476