

APPROVED

By Olivia Yu at 7:21 am, Oct 02, 2017

**D-1-2 Line Leak
Lea County, New Mexico
1RP 4719**

NMOCD approves of the proposed remediation for 1RP-4719. Completion of vertical delineation for Vertical 1, Area 2 after liner placement and is granted. Backfill of Area 1 and Area 2 is granted.

Prepared for:



370 17th St., Suite 2500
Denver, CO 80202

Prepared by:



2620 W. Marland
Hobbs, NM 88240

September 28, 2017

Summary

Tasman Geosciences, Inc. (Tasman) has prepared this Project Summary on behalf of DCP Midstream, LP (DCP) to document the results of field activities that were conducted at the D-1-2 Line Leak. The site is located approximately 2.3 miles north of Hobbs, New Mexico at UL/O sec. 11 T18S R38E. NMOSE well records indicate that groundwater will likely be encountered at a depth of approximately 83 +/- feet.

DCP Midstream operator was notified by third party of a possible leak. The line was shut in and blown down. NMOCD was notified of the release on May 16, 2017 and an initial C-141 was approved by NMOCD on June 12, 2017 (Appendix A). Tasman personnel were on site on May 22, 2017 to assess the release. The release area was GPS mapped (Figure 1) and samples were collected, the samples were field tested for chlorides and organic vapors, and representative samples were taken to a commercial laboratory for analysis (Appendix B and C) and photographed (Appendix D).

Approximately 700 cubic yards of contaminated soil was exported and disposed of at a NMOCD approved facility.

Corrective Action Plan

Based on the assessment and sampling data, we propose a 20-mil reinforced poly liner that will be installed and properly seated at four feet in area 1 and area 2 (figures 1 and 2). The excavations will then be backfilled with clean soil.

Revegetation of the site will be performed as follows:

Disturbed areas associated with the remediation efforts will be reseeded. The seed will be spread using a hand-held broadcaster and the area raked or dragged to cover the seed. Because the seed will be broadcast, the pounds per acre will be doubled. Lea Co. seed mix.

The seed mixture will be planted in the amounts specified in pounds of pure live seed (PLS) per acre. Commercially sold seed will be either certified or registered. The area will be seeded following backfilling of the excavated area.

Once these activities have been completed, a report will be sent to NMOCD requesting 'remediation termination' and site closure.

Tasman appreciates the opportunity to work with you on this project. Please contact me if you have any questions or wish to discuss the site.

Sincerely,

Kyle Norman Project Manager Tasman Geosciences (575) 318-5017

Attachments:

Figure 1–Area 1 Excavation and samples

Figure 2–Area 2 Excavation and samples

Figure 3–Overview map

Appendix A – Initial C-141

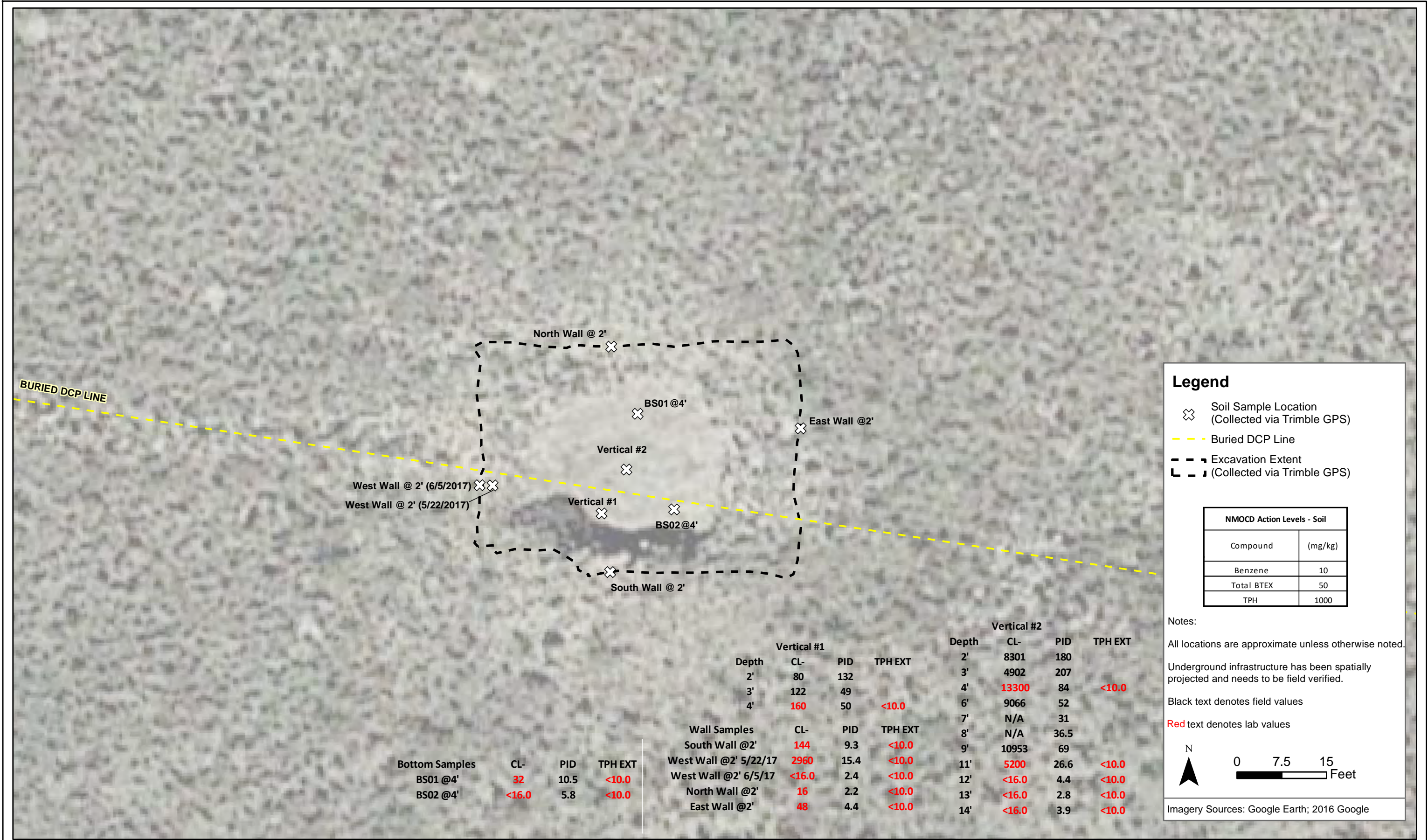
Appendix B – Area 1 Laboratory Analyses

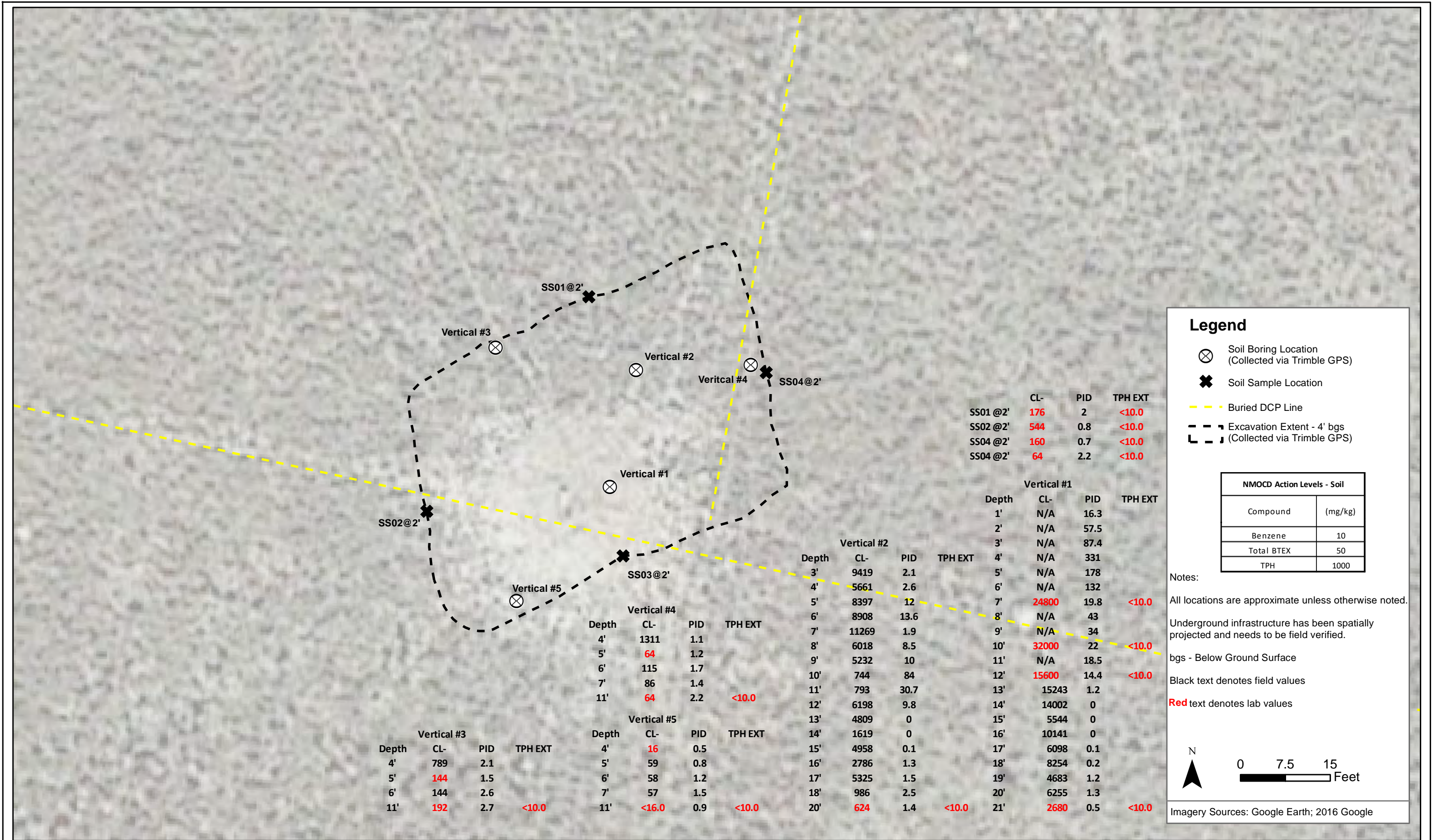
Appendix C – Area 2 Laboratory Analyses

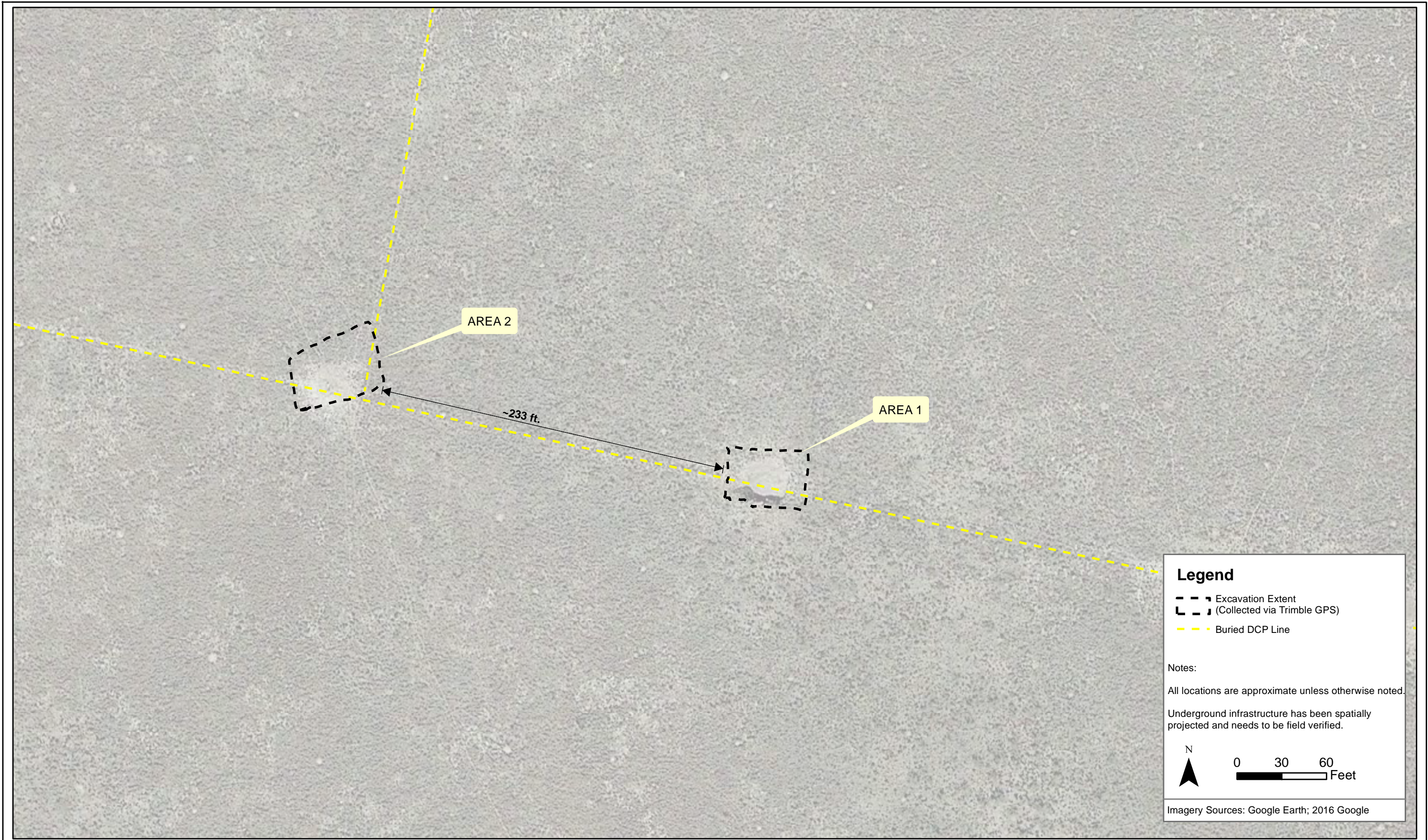
Appendix D - Photo Documentation

Appendix E – NMOSE DGW

Figures







DATE:	August 2017
DESIGNED BY:	K. Norman
DRAWN BY:	D. Arnold



Tasman Geosciences Inc.
6899 Pecos Street - Unit C
Denver, CO 80221

DCP Midstream
D-1-2 - Areas 1 & 2
NWSE Section 23, Township 22 South, Range 34 East
Lea County, New Mexico

Excavation
Overview Map

Figure
3

Appendix A

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 DCP	Contact Haskell Conder
Address 10 Desta Drive, Suite 400 West	Telephone No. cell 432-557-1127
Facility Name D-1-2 Line Leak	Facility Type Natural Gas Gathering Pipeline

Surface Owner Tom Jones	Mineral Owner	API No.
-------------------------	---------------	---------

LOCATION OF RELEASE

Unit Letter O	Section 11	Township 18S	Range 38E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
-------------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	---------------

Latitude: 32.7567 Longitude: -103.1153

NATURE OF RELEASE

Type of Release: Natural Gas	Volume of Release 7 Barrels	Volume Recovered 0
Source of Release pipeline	Date and Hour of Occurrence UNK	Date and Hour of Discovery 05/16/17 08:00AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.* N / A

Describe Cause of Problem and Remedial Action Taken.*

DCPM Operator was notified by third party of possible line leak. The line has been shut in and blown down.

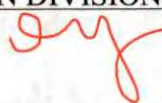
Describe Area Affected and Cleanup Action Taken.*

A cleanup plan will be submitted for NMOCD Approval.

RECEIVED

By Olivia Yu at 9:25 am, Jun 12, 2017

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>Haskell Conder</i>		OIL CONSERVATION DIVISION	
Printed Name: Haskell Conder		Approved by Environmental Specialist: 	
Title: Compliance Coordinator		Approval Date: 6/12/2017	Expiration Date:
E-mail Address: hconder@dcpmidstream.com		Conditions of Approval: see attached directive	Attached <input checked="" type="checkbox"/>
Date: 06/05/17	Phone: 432-557-1127		

* Attach Additional Sheets If Necessary

1RP-4719

fOY1716334427

nOY1716334892

pOY1716335635

Appendix B

May 26, 2017

HACK CONDER

DCP Midstream - Midland

10 Desta Dr., #400-W

Midland, TX 79705

RE: D-1-2

Enclosed are the results of analyses for samples received by the laboratory on 05/22/17 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received: 05/22/2017
Reported: 05/26/2017
Project Name: D-1-2
Project Number: AREA#1
Project Location: NONE GIVEN

Sampling Date: 05/22/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: VERTICAL #2 @ 4' (H701366-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13300	16.0	05/23/2017	ND	432	108	400	7.69	
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	05/23/2017	ND	179	89.6	200	14.4	
DRO >C10-C28	<10.0	10.0	05/23/2017	ND	179	89.6	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	05/23/2017	ND					
<i>Surrogate: 1-Chlorooctane</i>		95.5 %	28.3-164						
<i>Surrogate: 1-Chlorooctadecane</i>		80.8 %	34.7-157						

Sample ID: VERTICAL #2 @ 11' (H701366-02)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	05/23/2017	ND	432	108	400	7.69	
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	05/23/2017	ND	179	89.6	200	14.4	
DRO >C10-C28	<10.0	10.0	05/23/2017	ND	179	89.6	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	05/23/2017	ND					
<i>Surrogate: 1-Chlorooctane</i>		90.2 %	28.3-164						
<i>Surrogate: 1-Chlorooctadecane</i>		82.6 %	34.7-157						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received: 05/22/2017
Reported: 05/26/2017
Project Name: D-1-2
Project Number: AREA#1
Project Location: NONE GIVEN

Sampling Date: 05/22/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WEST WALL @ 2' (H701366-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2960	16.0	05/23/2017	ND	432	108	400	7.69	
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	05/23/2017	ND	179	89.6	200	14.4	
DRO >C10-C28	<10.0	10.0	05/23/2017	ND	179	89.6	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	05/23/2017	ND					
Surrogate: 1-Chlorooctane	95.8 %	28.3-164							
Surrogate: 1-Chlorooctadecane	84.1 %	34.7-157							

Sample ID: SOUTH WALL @ 2' (H701366-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/23/2017	ND	432	108	400	7.69	
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	05/23/2017	ND	179	89.6	200	14.4	
DRO >C10-C28	<10.0	10.0	05/23/2017	ND	179	89.6	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	05/23/2017	ND					
Surrogate: 1-Chlorooctane		93.4 %	28.3-164						
Surrogate: 1-Chlorooctadecane		78.9 %	34.7-157						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical 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

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Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

BILL TO

ANALYSIS REQUEST

Company Name: DCP Midstream		P.O. #:										
Project Manager:		Company:										
Address:		Attn:										
City:	State:	Zip:										
Phone #:	Fax #:	Address:										
Project #: F-210		City:										
Project Owner:		State:	Zip:									
Project Name:		Phone #:										
Project Location: D-1-Z Area #1		Fax #:										
Sampler Name: Kyle Norman		PRESERV	SAMPLING									
<small>FOR LAB USE ONLY</small>												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	DATE	TIME	Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS
H101366	Vertical #2 @ 4'	G	1	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	✓	5-22-17	0900	✓	✓	✓	✓	✓
	Vertical #2 @ 11'						1200	✓	✓	✓	✓	✓
	West Wall @ 2'						1300	✓	✓	✓	✓	✓
	South Wall @ 2'						1315	✓	✓	✓	✓	✓
PUSH												

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Relinquished By:	Date: 5-22-17	Received By:	Date: 5-22-17
Time:		Time:	
Relinquished By:		Received By:	
Date: 5-22-17	Time: 4:05	Sample Condition:	CHECKED BY: (Initials)
		<input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact	
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		Delivered By: (Circle One)	Sampler - UPS - Bus - Other:
		1.9°C	TS#75

REMARKS:

email results: hpconder@dcpmidstream.com
 yblair@dcpmidstream.com
 knorman@tasman-geo.com;



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

May 26, 2017

HACK CONDER

DCP Midstream - Midland

10 Desta Dr., #400-W

Midland, TX 79705

RE: D-1-2

Enclosed are the results of analyses for samples received by the laboratory on 05/22/17 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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.

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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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: NoneReceived: 05/22/2017
Reported: 05/26/2017
Project Name: D-1-2
Project Number: AREA#1
Project Location: NONE GIVENSampling Date: 05/22/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker**Sample ID: VERTICAL #1 @ 4' (H701367-01)**

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	05/24/2017	ND	432	108	400	7.69	
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	05/23/2017	ND	179	89.6	200	14.4	
DRO >C10-C28	<10.0	10.0	05/23/2017	ND	179	89.6	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	05/23/2017	ND					
Surrogate: 1-Chlorooctane	88.6 %	28.3-164							
Surrogate: 1-Chlorooctadecane	78.8 %	34.7-157							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical 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

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Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs NM 8824

00000

(505) 393-2326 FAX (505) 393-2476
2111 Beechwood, Abilene, TX 79603

TEL (309) 333-2416 FAX (325) 673-7020

DCP Midstream

Address:

City:

Phone #:

Project #:

Project Name:

Project Lo

Sampler N

FOR LAB USE

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Land Use

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11/11/20

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† Cardin

Page 4 of 4

June 07, 2017

HACK CONDER

DCP Midstream - Midland

10 Desta Dr., #400-W

Midland, TX 79705

RE: D-1-2

Enclosed are the results of analyses for samples received by the laboratory on 06/05/17 15:10.

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

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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:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received: 06/05/2017
Reported: 06/07/2017
Project Name: D-1-2
Project Number: F-210 - AREA #1
Project Location: NONE GIVEN

Sampling Date: 06/05/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NORTH WALL @ 2' (H701470-01)

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	06/06/2017	ND	448	112	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	06/05/2017	ND	197	98.3	200	1.52	
DRO >C10-C28	<10.0	10.0	06/05/2017	ND	182	91.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	06/05/2017	ND					
Surrogate: 1-Chlorooctane		94.9 %	28.3-164						
Surrogate: 1-Chlorooctadecane		85.4 %	34.7-157						

Sample ID: WEST WALL @ 2' (H701470-02)

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	06/06/2017	ND	448	112	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	06/05/2017	ND	197	98.3	200	1.52	
DRO >C10-C28	<10.0	10.0	06/05/2017	ND	182	91.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	06/05/2017	ND					
Surrogate: 1-Chlorooctane		112 %	28.3-164						
Surrogate: 1-Chlorooctadecane		91.9 %	34.7-157						

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received: 06/05/2017
Reported: 06/07/2017
Project Name: D-1-2
Project Number: F-210 - AREA #1
Project Location: NONE GIVEN

Sampling Date: 06/05/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: EAST WALL @ 2' (H701470-03)

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	06/06/2017	ND	448	112	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	06/05/2017	ND	197	98.3	200	1.52	
DRO >C10-C28	<10.0	10.0	06/05/2017	ND	182	91.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	06/05/2017	ND					
Surrogate: 1-Chlorooctane		112 %	28.3-164						
Surrogate: 1-Chlorooctadecane		87.4 %	34.7-157						

Sample ID: BS01 @ 4' (H701470-04)

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	06/06/2017	ND	448	112	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	06/05/2017	ND	197	98.3	200	1.52	
DRO >C10-C28	<10.0	10.0	06/05/2017	ND	182	91.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	06/05/2017	ND					
Surrogate: 1-Chlorooctane		114 %	28.3-164						
Surrogate: 1-Chlorooctadecane		90.4 %	34.7-157						

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received: 06/05/2017
Reported: 06/07/2017
Project Name: D-1-2
Project Number: F-210 - AREA #1
Project Location: NONE GIVEN

Sampling Date: 06/05/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BS02 @ 4' (H701470-05)

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	06/06/2017	ND	448	112	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	06/05/2017	ND	197	98.3	200	1.52		
DRO >C10-C28	<10.0	10.0	06/05/2017	ND	182	91.1	200	1.71		
EXT DRO >C28-C36	<10.0	10.0	06/05/2017	ND						
Surrogate: 1-Chlorooctane	122 %	28.3-164								
Surrogate: 1-Chlorooctadecane	101 %	34.7-157								

Sample ID: VERTICAL #2 @ 12' (H701470-06)

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	06/06/2017	ND	448	112	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	06/05/2017	ND	197	98.3	200	1.52	
DRO >C10-C28	<10.0	10.0	06/05/2017	ND	182	91.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	06/05/2017	ND					
Surrogate: 1-Chlorooctane	97.4 %	28.3-164							
Surrogate: 1-Chlorooctadecane	90.0 %	34.7-157							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received: 06/05/2017
Reported: 06/07/2017
Project Name: D-1-2
Project Number: F-210 - AREA #1
Project Location: NONE GIVEN

Sampling Date: 06/05/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: VERTICAL #2 @ 13' (H701470-07)

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	06/06/2017	ND	448	112	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	06/05/2017	ND	197	98.3	200	1.52	
DRO >C10-C28	<10.0	10.0	06/05/2017	ND	182	91.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	06/05/2017	ND					
Surrogate: 1-Chlorooctane	105 %	28.3-164							
Surrogate: 1-Chlorooctadecane	92.2 %	34.7-157							

Sample ID: VERTICAL #2 @ 14' (H701470-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/06/2017	ND	448	112	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	06/05/2017	ND	197	98.3	200	1.52	
DRO >C10-C28	<10.0	10.0	06/05/2017	ND	182	91.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	06/05/2017	ND					
Surrogate: 1-Chlorooctane		103 %	28.3-164						
Surrogate: 1-Chlorooctadecane		89.3 %	34.7-157						

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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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Celey D. Keene, Lab Director/Quality Manager

Appendix C



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

June 14, 2017

HACK CONDER

DCP Midstream - Midland

10 Desta Dr., #400-W

Midland, TX 79705

RE: D-1-2

Enclosed are the results of analyses for samples received by the laboratory on 06/08/17 8:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received: 06/08/2017
Reported: 06/14/2017
Project Name: D-1-2
Project Number: F-210 - AREA #2
Project Location: NONE GIVEN

Sampling Date: 06/07/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: VERTICAL #1 @ 7' (H701507-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24800	16.0	06/09/2017	ND	448	112	400	3.64	
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	06/09/2017	ND	181	90.3	200	7.10	
DRO >C10-C28	<10.0	10.0	06/09/2017	ND	179	89.4	200	8.25	
EXT DRO >C28-C36	10.6	10.0	06/09/2017	ND					
Surrogate: 1-Chlorooctane	103 %	28.3-164							
Surrogate: 1-Chlorooctadecane	88.3 %	34.7-157							

Sample ID: VERTICAL #1 @ 10' (H701507-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32000	16.0	06/09/2017	ND	448	112	400	3.64	
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	06/09/2017	ND	181	90.3	200	7.10	
DRO >C10-C28	<10.0	10.0	06/09/2017	ND	179	89.4	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	06/09/2017	ND					
Surrogate: 1-Chlorooctane	107 %	28.3-164							
Surrogate: 1-Chlorooctadecane	96.3 %	34.7-157							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DCP Midstream - Midland
 HACK CONDER
 10 Desta Dr., #400-W
 Midland TX, 79705
 Fax To: None

 Received: 06/08/2017
 Reported: 06/14/2017
 Project Name: D-1-2
 Project Number: F-210 - AREA #2
 Project Location: NONE GIVEN

 Sampling Date: 06/07/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: VERTICAL #1 @ 12' (H701507-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15600	16.0	06/09/2017	ND	448	112	400	3.64	
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	06/09/2017	ND	181	90.3	200	7.10	
DRO >C10-C28	<10.0	10.0	06/09/2017	ND	179	89.4	200	8.25	
EXT DRO >C28-C36	<10.0	10.0	06/09/2017	ND					
Surrogate: 1-Chlorooctane		104 %	28.3-164						
Surrogate: 1-Chlorooctadecane		90.3 %	34.7-157						

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Celey D. Keene, Lab Director/Quality Manager

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

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



(575) 393-2326 FAX (575) 393-2476

BILL TO

ANALYSIS REQUEST

[illegible]

Relinquished By:

Date: 6-8-17

Received By:

Relinquished By:

Date: 6-17

Received By:

Delivered By: (Circle One)

0.15

Sample

Sampler - UPS - Bus - Other:

"

4000

☒ Yes ☒ Yes

(Initials)
T.C. #78-

10/10/10



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

June 26, 2017

HACK CONDER

DCP Midstream - Midland

10 Desta Dr., #400-W

Midland, TX 79705

RE: D-1-2

Enclosed are the results of analyses for samples received by the laboratory on 06/23/17 11:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received: 06/23/2017
Reported: 06/26/2017
Project Name: D-1-2
Project Number: F-210 - AREA #2
Project Location: NONE GIVEN

Sampling Date: 06/23/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS01 @ 2' (H701643-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/23/2017	ND	416	104	400	3.77	
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	06/23/2017	ND	207	103	200	0.0508	
DRO >C10-C28	<10.0	10.0	06/23/2017	ND	221	110	200	0.480	
EXT DRO >C28-C36	<10.0	10.0	06/23/2017	ND					
Surrogate: 1-Chlorooctane		93.8 %	28.3-164						
Surrogate: 1-Chlorooctadecane		98.3 %	34.7-157						

Sample ID: SS02 @ 2' (H701643-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	06/23/2017	ND	416	104	400	3.77	
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	06/26/2017	ND	207	104	200	1.79	
DRO >C10-C28	<10.0	10.0	06/26/2017	ND	214	107	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	06/26/2017	ND					
Surrogate: 1-Chlorooctane		78.6 %	28.3-164						
Surrogate: 1-Chlorooctadecane		79.3 %	34.7-157						

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received: 06/23/2017
Reported: 06/26/2017
Project Name: D-1-2
Project Number: F-210 - AREA #2
Project Location: NONE GIVEN

Sampling Date: 06/23/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS03 @ 2' (H701643-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/23/2017	ND	416	104	400	3.77	
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	06/26/2017	ND	207	104	200	1.79	
DRO >C10-C28	<10.0	10.0	06/26/2017	ND	214	107	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	06/26/2017	ND					
Surrogate: 1-Chlorooctane		82.1 %	28.3-164						
Surrogate: 1-Chlorooctadecane		81.2 %	34.7-157						

Sample ID: SS04 @ 2' (H701643-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/23/2017	ND	416	104	400	3.77	
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	06/26/2017	ND	207	104	200	1.79	
DRO >C10-C28	<10.0	10.0	06/26/2017	ND	214	107	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	06/26/2017	ND					
Surrogate: 1-Chlorooctane		94.2 %	28.3-164						
Surrogate: 1-Chlorooctadecane		92.7 %	34.7-157						

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

QR-05	The RPD exceeded historical limits.
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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Celey D. Keene, Lab Director/Quality Manager

ORDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

PASH

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: DCP Midstream Project Manager: <i>Hack Conder</i>				P.O. #: Company:		BILL TO		ANALYSIS REQUEST					
Address: City: State: Zip: Phone #: Fax #: Project #: Project Owner:				Attn: Address: City: State: Zip: Phone #: Fax #:									
Project Location: D-1-2 Area #2 Sampler Name: Kyle Norman													
FOR LAB USE ONLY													
Lab I.D. Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		ACID/BASE: ICE / COOL OTHER :		DATE TIME		Chlorides EXT TPH 8015 M BTEX Texas TPH Complete Cations/Anions TDS					
H701643 1 5501 @ 2' 2 5502 @ 2' 3 5503 @ 2' 4 5504 @ 2'		G V V V		V V V V		6-23-17 0830 0845 0900 0930		V V V V V					

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Reinquinished By: <i>hacker</i> Date: 6-23-17 Time:		Received By: Date: 6-23-17 Time:	
Delivered By: (Circle One) Sampler - UPS Bus Other:		Received By: Date: 6-23-17 Time: 11:20 Signature: <i>Shirley Clark</i>	
Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials) <i>TS</i>	

email results: hpconder@dcpmidstream.com
 yblair@dcpmidstream.com
 knorman@tasman-geo.com:



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

September 14, 2017

HACK CONDER

DCP Midstream - Midland

10 Desta Dr., #400-W

Midland, TX 79705

RE: D-1-2

Enclosed are the results of analyses for samples received by the laboratory on 09/13/17 15:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received: 09/13/2017
Reported: 09/14/2017
Project Name: D-1-2
Project Number: F-210 - AREA 2
Project Location: NONE GIVEN

Sampling Date: 09/11/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VERTICAL #1 @ 21' (H702471-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	09/14/2017	ND	400	100	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	09/14/2017	ND	180	90.2	200	0.273	
DRO >C10-C28	<10.0	10.0	09/14/2017	ND	193	96.5	200	2.02	
EXT DRO >C28-C35	<10.0	10.0	09/14/2017	ND					
EXT DRO >C28-C36	<10.0	10.0	09/14/2017	ND					
Surrogate: 1-Chlorooctane	96.0 %	28.3-164							
Surrogate: 1-Chlorooctadecane	99.5 %	34.7-157							

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received: 09/13/2017
Reported: 09/14/2017
Project Name: D-1-2
Project Number: F-210 - AREA 2
Project Location: NONE GIVEN

Sampling Date: 09/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VERTICAL #2 @ 20' (H702471-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	09/14/2017	ND	400	100	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	09/14/2017	ND	180	90.2	200	0.273	
DRO >C10-C28	<10.0	10.0	09/14/2017	ND	193	96.5	200	2.02	
EXT DRO >C28-C35	<10.0	10.0	09/14/2017	ND					
EXT DRO >C28-C36	<10.0	10.0	09/14/2017	ND					
Surrogate: 1-Chlorooctane	92.0 %	28.3-164							
Surrogate: 1-Chlorooctadecane	95.1 %	34.7-157							

Sample ID: VERTICAL #3 @ 5' (H702471-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	09/14/2017	ND	400	100	400	7.69		

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received: 09/13/2017
Reported: 09/14/2017
Project Name: D-1-2
Project Number: F-210 - AREA 2
Project Location: NONE GIVEN

Sampling Date: 09/12/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VERTICAL #3 @ 11' (H702471-04)

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	09/14/2017	ND	400	100	400	7.69	
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	09/14/2017	ND	180	90.2	200	0.273	
DRO >C10-C28	<10.0	10.0	09/14/2017	ND	193	96.5	200	2.02	
EXT DRO >C28-C35	<10.0	10.0	09/14/2017	ND					
EXT DRO >C28-C36	<10.0	10.0	09/14/2017	ND					
Surrogate: 1-Chlorooctane	87.1 %	28.3-164							
Surrogate: 1-Chlorooctadecane	93.1 %	34.7-157							

Sample ID: VERTICAL #4 @ 5' (H702471-05)

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	09/14/2017	ND	400	100	400	7.69		

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received: 09/13/2017
Reported: 09/14/2017
Project Name: D-1-2
Project Number: F-210 - AREA 2
Project Location: NONE GIVEN

Sampling Date: 09/13/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VERTICAL #4 @ 11' (H702471-06)

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	09/14/2017	ND	400	100	400	7.69	
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	09/14/2017	ND	180	90.2	200	0.273	
DRO >C10-C28	<10.0	10.0	09/14/2017	ND	193	96.5	200	2.02	
EXT DRO >C28-C35	<10.0	10.0	09/14/2017	ND					
EXT DRO >C28-C36	<10.0	10.0	09/14/2017	ND					
Surrogate: 1-Chlorooctane	99.4 %	28.3-164							
Surrogate: 1-Chlorooctadecane	98.7 %	34.7-157							

Sample ID: VERTICAL #5 @ 4' (H702471-07)

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	09/14/2017	ND	400	100	400	7.69		

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received: 09/13/2017
Reported: 09/14/2017
Project Name: D-1-2
Project Number: F-210 - AREA 2
Project Location: NONE GIVEN

Sampling Date: 09/13/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: VERTICAL #5 @ 13' (H702471-08)

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	09/14/2017	ND	400	100	400	7.69		
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	09/14/2017	ND	180	90.2	200	0.273		
DRO >C10-C28	<10.0	10.0	09/14/2017	ND	193	96.5	200	2.02		
EXT DRO >C28-C35	<10.0	10.0	09/14/2017	ND						
EXT DRO >C28-C36	<10.0	10.0	09/14/2017	ND						
Surrogate: 1-Chlorooctane	86.8 %	28.3-164								
Surrogate: 1-Chlorooctadecane	96.4 %	34.7-157								

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

25th Dec

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

Appendix D

DCP Midstream D-1-2 Line Leak

1RP-4719



Area 2 initial leak

5/22/17



Area 1 export soil

5/22/17



Area 1 excavating vertical 1

6/05/17



Area 2 excavating vertical 1

9/11/17



Area 2 vertical 1

9/11/17



Area 2 excavating vertical 2

9/11/17

Appendix E



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
L 11339	L	LE		2	4	4	11	18S	38E	676901	3625969*	328	160	90	70
L 03332	L	LE			2	4	11	18S	38E	676795	3626272*	442	125	60	65
L 12245 POD1	L	LE		2	4	3	11	18S	38E	676079	3626022	523	155		
L 07772	L	LE		2	2	1	14	18S	38E	676104	3625553*	582	200	65	135
L 11635	L	LE		3	3	2	11	18S	38E	676284	3626568*	747	185	78	107
L 03487	L	LE			4	2	11	18S	38E	676787	3626675*	817	112	45	67
L 07721	L	LE		2	4	1	14	18S	38E	676111	3625150*	872	150	70	80
L 13802 POD1		LE		1	3	2	11	18S	38E	676357	3626791	935	190	111	79
L 10517	L	LE				2	11	18S	38E	676586	3626870*	986	112	86	26
L 11022	L	LE				2	11	18S	38E	676586	3626870*	986	200	150	50
L 11103	L	LE				2	11	18S	38E	676586	3626870*	986	200		

Average Depth to Water: **83 feet**

Minimum Depth: **45 feet**

Maximum Depth: **150 feet**

Record Count: 11

UTMNAD83 Radius Search (in meters):

Easting (X): 676583.93

Northing (Y): 3625883.54

Radius: 1000

*UTM location was derived from PLSS - see Help

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