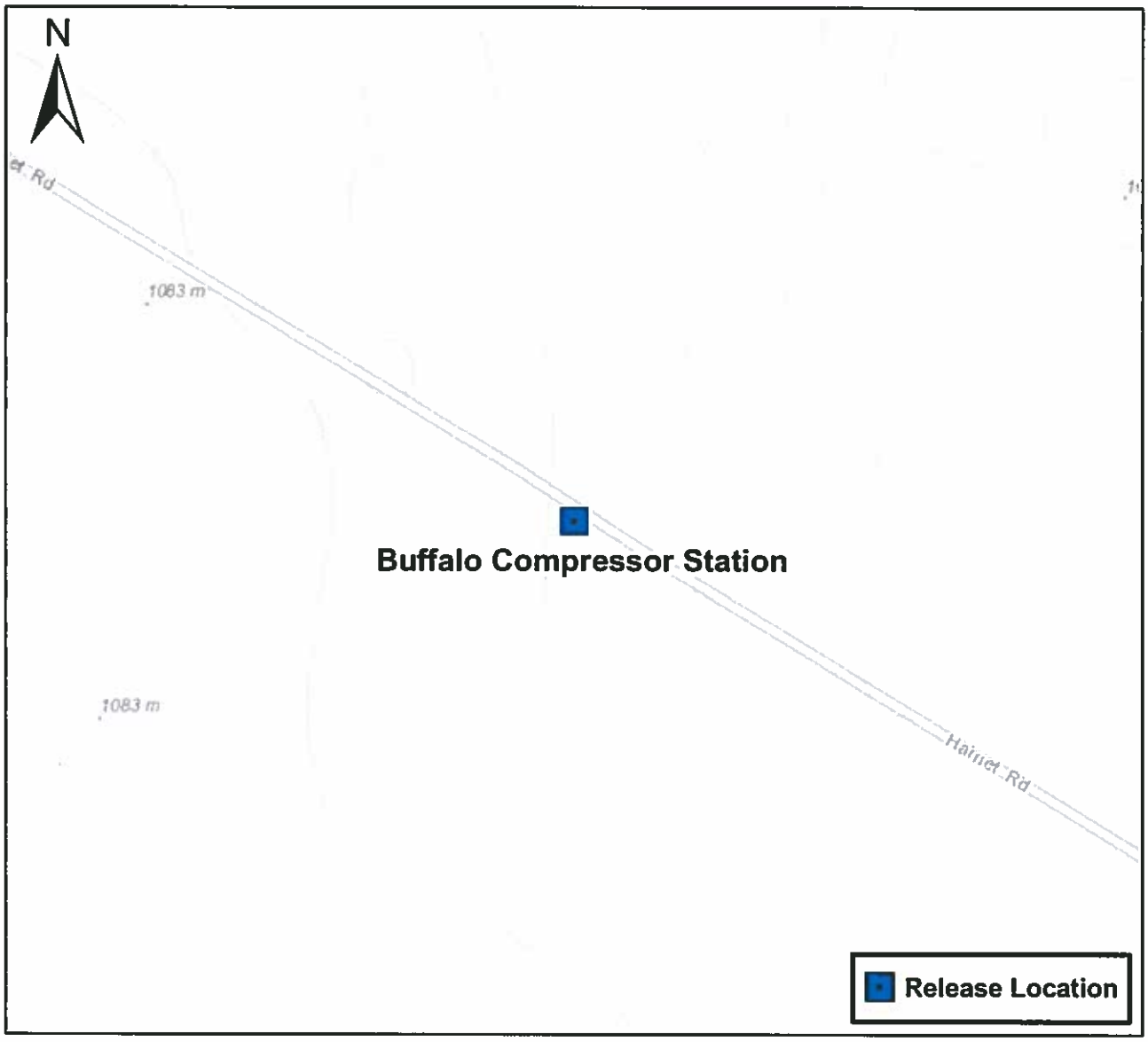
FIGURES



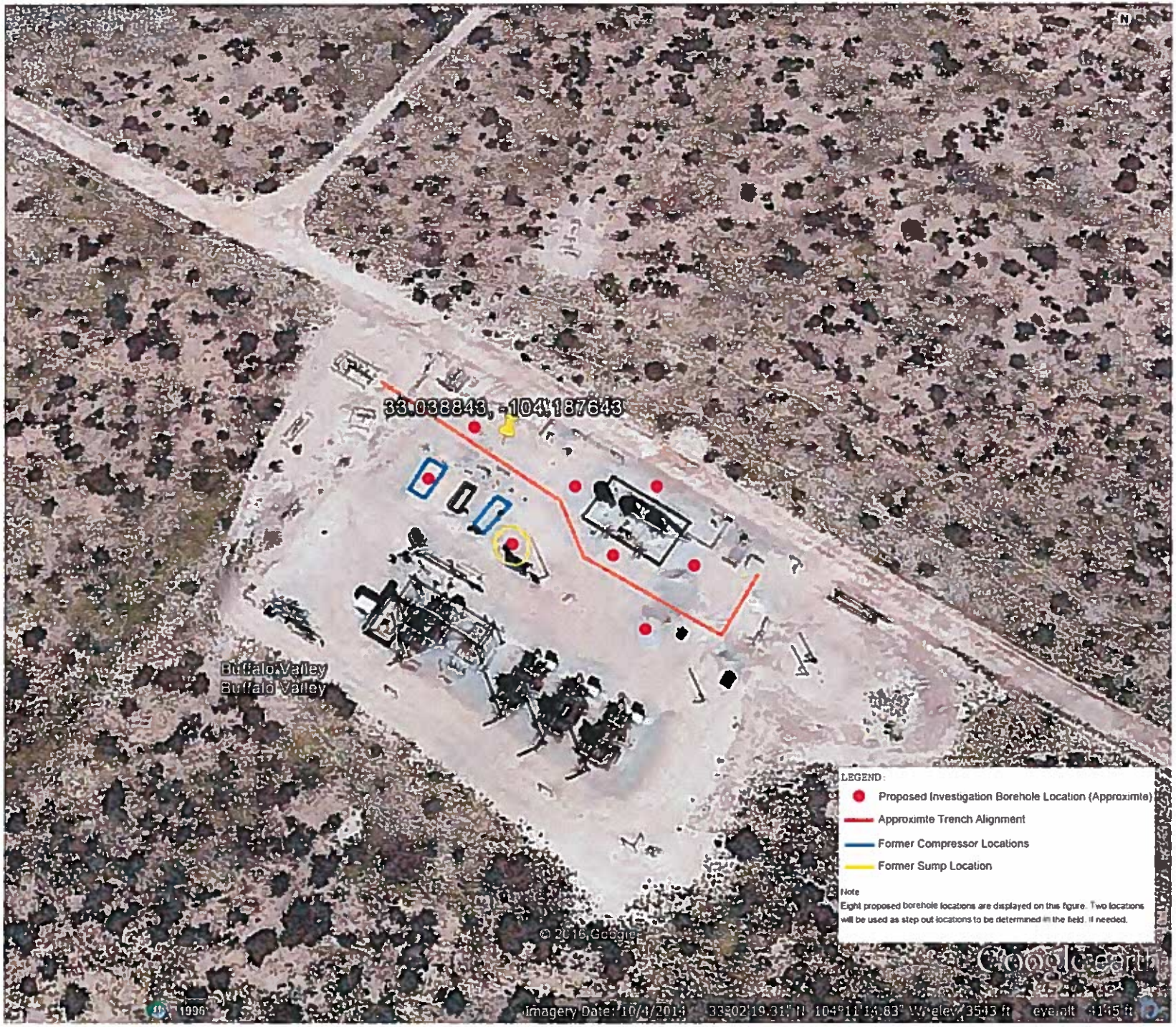
0 750 1,500 Feet

Figure 1

Site Location Map
Buffalo Compressor Station
SWSE (O) S1 T15S R27E
Chaves County, New Mexico

TASMAN GEOSCIENCES

Drawn By: DBA
Date: 7/29/2016


N
33.038843, -104.187643
Buffalo Valley
Buffalo Valley
LEGEND:
Proposed Investigation Borehole Location (Approximte)
Approximte Trench Alignment
Former Compressor Locations
Former Sump Location
Note
Eight proposed borehole locations are displayed on this figure. Two locations will be used as step out locations to be determined in the field, if needed.
© 2016 Google
Google Earth
1996
Imagery Date: 10/4/2014 33°02'19.31" N 104°11'14.83" W elev 3543 ft eye alt 1145 ft

APPENDIX A

CARDINAL Laboratories

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

June 30, 2016

NICK CASE

DCP MIDSTREAM-CARLSBAD

2010 ORCHARD LANE

CARLSBAD, NM 88220

RE: BUFFALO VALLEY

Enclosed are the results of analyses for samples received by the laboratory on 06/22/16 11:00.

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 accreditated 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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

DCP MIDSTREAM-CARLSBAD
NICK CASE
2010 ORCHARD LANE
CARLSBAD NM, 88220
Fax To: NONE

Received:	06/22/2016	Sampling Date:	06/22/2016
Reported:	06/30/2016	Sampling Type:	Wastewater
Project Name:	BUFFALO VALLEY	Sampling Condition:	Cool & Intact
Project Number:	710000302	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: BUFFALO VALLEY (H601372-01)

BTEX 8021B mg/L **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**3.12**	0.100	06/27/2016	ND	0.022	111	0.0200	1.23	
Toluene*	**12.8**	0.100	06/27/2016	ND	0.021	105	0.0200	2.76	
Ethylbenzene*	**1.63**	0.100	06/27/2016	ND	0.021	103	0.0200	2.01	
Total Xylenes*	**13.5**	0.300	06/27/2016	ND	0.067	112	0.0600	0.789	
Total BTEX	**31.0**	0.600	06/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID *121 %* *73.7-146*

Cardinal Laboratories

*=Accredited Analyte

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

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

Company Name: DCP Midstream	BILL TO
Project Manager:	P.O. #: F-281
Address:	Company:
City: State: Zip:	Attn:
Phone #: Fax #:	Address:
Project #: 710000302 Project Owner:	City:
Project Name: Buffalo Valley F-281	State: Zip:
Project Location:	Phone #:
Sampler Name: Nicholas Case	Fax #:

FOR LAB USE ONLY		MATRIX								PRESERV			SAMPLING		ANALYSIS REQUEST		
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	BTEX 8021 *water only	PIANO Test on crude
H601372-1														6/22/16	9:02	✓	✓

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 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 6/22/16 Time: 11:00	Received By: Angela Cabrera	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 4.4°C	Sample Condition Cool: Yes / No Intact: Yes / No	CHECKED BY: (Initials) AC #15	REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

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 Midstream, LP**	Contact: **Steve Weathers**
Address: **370 17th St. Ste 2500, Denver, CO 80202**	Telephone No.: **303-605-1718**
Facility Name: **Buffalo Valley Compressor Station**	Facility Type: **Closed compressor station**

Surface Owner: **State of New Mexico**	Mineral Owner: **NA**	API No.:**NA**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	**1**	**15S**	**27E**	**~300**	**South Line**	**~400**	**West Line**	**Chaves**

Latitude 33.038843 **Longitude** -104.187643

NATURE OF RELEASE

Type of Release: **Historical**	Volume of Release: **Unknown**	Volume Recovered: **NA**
Source of Release: **Pipeline**	Date and Hour of Occurrence:	Date and Hour of Discovery: **06/22/16-0900**
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* During decommissioning activities of the Buffalo Valley Compressor Station (Site [Figure 1]), DCP Midstream, LP (DCP) was performing trenching activities on-Site to re-route buried utilities through the facility. While trenching, potential petroleum hydrocarbon impacted soil originating from an apparent historical release was discovered at approximately five (5) feet below ground surface (bgs). As trenching continued toward the south east of the Site, petroleum hydrocarbon impacts appeared to increase in thickness towards the surface. Additionally, at two separate trench locations, small amounts of liquid material resembling condensate and water infiltrated the trench. However, the liquid did not continuously flow into the trench and was not considered to be related to groundwater. To determine if the liquid was petroleum hydrocarbon based material which could result in subsequent soil impacts, a sample of the liquid was collected on June 22, 2016 and submitted to Cardinal Laboratories in Hobbs, NM for laboratory analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) using USEPA Method 8021B. The laboratory analytical report (Appendix A) indicates that BTEX concentrations were above the New Mexico Water Quality Control Commission (NMWQCC) standards for all constituents. The trench has been backfilled and the compressor station has been shut in.

Describe Area Affected and Cleanup Action Taken.* Site characterization and investigation activities to determine the vertical and lateral extents of petroleum hydrocarbon impacts are scheduled at the Site for Monday August 8, 2016. Investigation activities will include direct push drilling methods with continuous core sampling at the locations illustrated on the attached Figure 2. Soil samples will be collected from each borehole location and field screened using a photoionization detector (PID) and traditional headspace sampling techniques. Soil samples will also be collected for laboratory analysis of BTEX using USEPA Method 8260B, and total petroleum hydrocarbons gasoline range organics (TPH-GRO) and TPH-diesel range organics (DRO) using USEPA Method 8015. Subsequent to laboratory analysis and data evaluation, DCP will generate a site characterization report for submittal to the New Mexico Oil and Gas Conservation Division (NMOCD) detailing the investigation results and recommendations for the Site.

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:	OIL CONSERVATION DIVISION	
Printed Name: Stephen W. Weathers, P.G.	Approved by Environmental Specialist:	
Title: Principal Environmental Specialist	Approval Date:	Expiration Date:
E-mail Address: swweathers@dcpmidstream.com	Conditions of Approval:	Attached ☐
Date: 08/02/2016 Phone: 303-605-1718		

* Attach Additional Sheets If Necessary