

Devon Energy Production Co LP

ORE IDA 14 Federal 2

Delineation Report and Work Plan

**Unit Letter E, Section 14, T24S, R29E
Eddy County, New Mexico**

30-015-28930

May 1, 2020



Prepared for:

**Devon Energy Production Co., LP
PO Box 250
Artesia, New Mexico 88211**

By:

**JP Consultants
223 Plaza
Madill, OK 73446
580.967.0404**

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ORE IDA 14 Federal 2
Devon Energy

Devon Energy Production
Eddy County, New Mexico

I. Company Contacts

Representative	Company	Telephone	E-mail
Tom Bynum	Devon Energy Prod.	580.748.1613	Tom.Bynum@dvn.com
Jess Tarrant	JP Consultants	254.485.8825	Jess.Tarrant@JPC-LLC.com

II. Background

JP Consultants, hereinafter referred to as (JPC) was engaged by Devon Energy to perform site delineation on the ORE IDA 14 Federal 2, concerning a Seven point Nine (7.9) bbl. release comprising of produced water. This site is situated in Eddy County, Section 14, Township 24S, and Range 29E.

According to the C-141: The lease operator pulled on location and discovered a leak under the pumping T. Repairs were made. Of the 7.9bbls of produced water released, approximately 2bbls were recovered. The spill area was mapped, using a Garmin Oregon 750 handheld GPS. Whereby, the total area of impact was estimated to be 4,423.3 sq. ft. The NMOCD and BLM were notified on September 23, 2018 and the C-141 filed and assigned this event number **2RP-5343** (Appendix A).

III. Surface and Ground Water

There is no record of groundwater in the immediate vicinity of the site location. According to the topography map for Eddy County the depth to ground water for Section 14, Township 24S, Range 29E is approximately 100' bgs. Further research of the New Mexico Office of the State Engineer records indicate the average depth to groundwater for the area to be 21' bgs. The approximate distance to surface water of the Pecos River is approximately 6,526'. Thereby, posing no eminent threat or danger to life forms in the area.

IV. Characterization

The target cleanup levels are determined using the *Guidelines for Remediation of Leaks, Spills and Releases* published by the NMOCD. Based on the ranking criteria presented below, the applicable Recommended Remediation Action Levels (RRAL) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethyl benzene, and total xylenes (BTEX), and 100 ppm Total Petroleum Hydrocarbons (TPH). Characterization of vertical extent of chloride concentration to a level of 600 mg/kg (PPM) is also required.

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Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
51 feet-100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
>100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

V. Work Performed

On March 17, 2020, JPC was onsite to photograph, assess and map the spill area. Test holes were advanced at an attempt to determine vertical extent. The first dig hole was advanced on the north end of the leak. Test hole two was advanced to 3' bgs., where dig refusal was encountered. Test hole three was installed at the area where the fluid appeared to have settled causing the greatest impact, and dig refusal was encountered at 3' bgs.

JPC personnel returned to the site in order to complete the vertical delineation of the impacted area. Representative soil samples were properly packaged, preserved and transported to Hall Environmental Analysis Laboratories, Albuquerque, New Mexico and analyzed for Chloride (Cl⁻) (Method SM 4500Cl-B). The results of the analysis are presented in the table below:

Sample Date	Depth	Chloride (mg/kg)
04/20/2020		
Sample ID		
#3	1'	250
#5	1'	200
#10	1'	100
#12	2'	320

VI. Action Plan

Due to the results listed above the following action plan is proposed:

Excavate impacted soil to a depth of 4' bgs. Discrete samples will be taken from the sides and bottom of the excavation area. The representative soil samples will be taken to a commercial laboratory for final analysis and confirmation. The excavated area will be lined with 20 mil. Liner and backfilled according to BLM guidelines.

Upon completion of all approved remediation activity; JPC will submit complete final closure documentation regarding this incident, on behalf of Devon Energy to all parties of concern.

VII. Figures & Appendices

Figure 1 – Vicinity Map

Figure 2 – Site Plan

Appendix A – C-141

Appendix B – Groundwater

Appendix C – Analytical Results

Appendix D – Photo Documentation

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Figure 1

Vicinity Map

Ore Ida 14 Federal 2
7.9BBLs PW_9.23.2018



This map is for illustrative purposes only and is neither a legally recorded map nor survey and is not intended to be used as one. Devon makes no warranty, representation, or guarantee of any kind regarding this map.

WGS_1984_Web_Mercator_Auxiliary_Sphere
Prepared by: Dana DeLaRosa
Map is current as of: 26-Sep-2018



Miles

0 0.00 0.00 0.01 1:445



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Figure 2

Site Plan



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May 1, 2020

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Eddy County, New Mexico

Appendix A

C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAB1909834775
District RP	2RP-5343
Facility ID	
Application ID	pAB1909833924

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<50 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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State of New Mexico
Oil Conservation Division

Incident ID	NAB1909834775
District RP	2RP-5343
Facility ID	
Application ID	pAB1909833924

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Tom Bynum Title: EHS Consultant

Signature: *Tom Bynum* Date: 5/4/2020

email: tom.bynum@dvn.com Telephone: 575-748-0176

OCD Only

Received by: _____ Date: _____

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State of New Mexico
Oil Conservation Division

Incident ID	NAB1909834775
District RP	2RP-5343
Facility ID	
Application ID	pAB1909833924

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Tom Bynum Title: EHS Consultant

Signature: *Tom Bynum* Date: 5/4/2020

email: tom.bynum@dvn.com Telephone: 575-748-0176

OCD Only

Received by: _____ Date: _____

Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

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Appendix B

Groundwater

nmwrws.ose.state.nm.us/nmwrws/ReportProxy?queryData=%7B%27report%3A%27waterColumn%2C%3A%27BasinDiv%3A%27true%2C%3A%27%2C%3A%27County%3A%27ED%2C%3A%27Sub_basin%3A%27%2C%3A%27UsageDiv%3A%27false%2C%3A%27radiusBox%3...
 Not secure | nmwrws.ose.state.nm.us/nmwrws/ReportProxy?queryData=%7B%27report%3A%27waterColumn%2C%3A%27BasinDiv%3A%27true%2C%3A%27%2C%3A%27County%3A%27ED%2C%3A%27Sub_basin%3A%27%2C%3A%27UsageDiv%3...



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) (NADS3 UTM in meters) (In feet)

POD Number	Code	POD Sub-basin	County	Q 6	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_00863		CUB	ED	3	3	1	16	24S	29E	594524	3565091*	4100	220		
C_00863 CLW199506	O	CUB	ED	3	3	1	16	24S	29E	594524	3565091*	4100	220		
C_01627		C	ED	1	4	4	28	23S	29E	595649	3570959*	4286	170		
C_00463		C	ED	4	4	4	17	24S	29E	594332	3564282*	4740	260	4	256
C_02108		CUB	ED	1	3	08	24S	30E	602702	3566487*	4827	200	186	14	
C_02707		C	ED	2	28	23S	29E	595535	3571868*	5129	40	5129	40	18	22
C_04326 POD16		CUB	ED	2	4	3	23	23S	29E	598209	3572664	5327	64	54	10
C_03615 POD2		CUB	ED	4	2	4	06	24S	29E	592661	3568013	5331	60	26	34
C_04326 POD14		CUB	ED	4	2	3	23	23S	29E	598191	3572765	5427	58	54	4
C_02797		CUB	ED	2	3	22	23S	29E	596540	3572895*	5728	200			
C_02109		CUB	ED	1	2	4	19	24S	30E	602130	3563412	5737	130	150	-20
C_03587 POD1		CUB	ED	1	4	3	29	23S	29E	593338	3570754	5737	99	44	55

Average Depth to Water: **67 feet**
 Minimum Depth: **4 feet**
 Maximum Depth: **186 feet**

Record Count: 12

Basin/County Search:

County: Eddy

UTM/NADS3 Radius Search (in meters):

Easting (X): 597950.918 Northing (Y): 3567343.304 Radius: 6000

*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.

5/4/20 11:40 AM

WATER COLUMN/AVERAGE DEPTH TO WATER

ORE IDA 14 Fed 2
May 1, 2020

Devon Energy Production
Eddy County, New Mexico

Appendix C – Analytical Results



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

April 27, 2020

Jess Tarrant
Devon Energy
6488 Seven Rivers Highway
Artesia, NM 88210
TEL: (505) 350-1336
FAX

RE: Ore Ida 14 Federal 2

OrderNo.: 2004903

Dear Jess Tarrant:

Hall Environmental Analysis Laboratory received 4 sample(s) on 4/21/2020 for the analyses presented in the following report.

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

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order: **2004903**

Date Reported: **4/27/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy
Project: Ore Ida 14 Federal 2

Lab Order: 2004903

Lab ID: 2004903-001

Collection Date: 4/20/2020

Client Sample ID: #3

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	----	------	-------	----	---------------	----------

EPA METHOD 300.0: ANIONS

Analyst: **MRA**

Chloride	250	60		mg/Kg	20	4/24/2020 10:27:04 PM	52069
----------	-----	----	--	-------	----	-----------------------	-------

Lab ID: 2004903-002

Collection Date: 4/20/2020

Client Sample ID: #5

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	----	------	-------	----	---------------	----------

EPA METHOD 300.0: ANIONS

Analyst: **MRA**

Chloride	200	60		mg/Kg	20	4/24/2020 11:04:19 PM	52069
----------	-----	----	--	-------	----	-----------------------	-------

Lab ID: 2004903-003

Collection Date: 4/20/2020

Client Sample ID: #10

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	----	------	-------	----	---------------	----------

EPA METHOD 300.0: ANIONS

Analyst: **MRA**

Chloride	100	60		mg/Kg	20	4/24/2020 11:16:43 PM	52069
----------	-----	----	--	-------	----	-----------------------	-------

Lab ID: 2004903-004

Collection Date: 4/20/2020

Client Sample ID: #12

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: **MRA**

Chloride	320	60		mg/Kg	20	4/25/2020 1:08:24 AM	52083
----------	-----	----	--	-------	----	----------------------	-------

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2004903
27-Apr-20

Client: Devon Energy
Project: Ore Ida 14 Federal 2

Sample ID: MB-52069	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 52069	RunNo: 68395								
Prep Date: 4/24/2020	Analysis Date: 4/24/2020	SeqNo: 2367078	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-52069	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 52069	RunNo: 68395								
Prep Date: 4/24/2020	Analysis Date: 4/24/2020	SeqNo: 2367079	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

Sample ID: MB-52083	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 52083	RunNo: 68395								
Prep Date: 4/24/2020	Analysis Date: 4/25/2020	SeqNo: 2367114	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-52083	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 52083	RunNo: 68395								
Prep Date: 4/24/2020	Analysis Date: 4/25/2020	SeqNo: 2367115	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.9	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



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

Sample Log-In Check List

Client Name: **DEVON ENERGY**

Work Order Number: **2004903**

RcptNo: 1

Received By: **Desiree Dominguez** 4/21/2020 11:05:00 AM

DD

Completed By: **Desiree Dominguez** 4/21/2020 11:37:06 AM

DD

Reviewed By: *LB* 4/21/20

Chain of Custody

1. Is Chain of Custody sufficiently complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? Yes No NA
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
10. Were any sample containers received broken? Yes No
11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: *JR 4/21/20*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.5	Good	Not Present			

Chain-of-Custody Record

Client: DEVON ENERGY
 Mailing Address: PO Box 250
ARTESIA, NM 88211
 Phone #: 254.485.8825
 email or Fax#: jess.tarrant@jpe-llc.com
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance
 NELAC Other
 EDD (Type)

Turn-Around Time: 5 days
 Standard Rush
 Project Name: ORE ID# 14 FEDERAL Z
 Project #: WELL PAD
 Project Manager: JESS TARRANT
 Sampler: JESS TARRANT
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CF): 5.4 ± 0.1 = 5.5 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
4/20		Soil	# 3	Jar		-001
			# 5			-002
			# 10			-003
4/20		Soil	# 12	Jar		-004



HALL ENVIRONMENTAL ANALYSIS LABORATORY
 www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request	
BTEX / MTBE / TMBs (8021)	
TPH:8015D(GRO / DRO / MRO)	
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl ₂ , Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	CL
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	

Received by: [Signature] Date Time: 4/20/20 19:00
 Relinquished by: [Signature] Date Time: 4/21/20 11:05
 Via: courier
 Remarks: cc Tom Bynum @ DEVON

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

ORE IDA 14 Fed 2
May 1, 2020

Devon Energy Production
Eddy County, New Mexico

Appendix D

Site Photographs

Devon Energy
Ore IDA 14 Federal I 30-015-28930

