January 13, 2020

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First St.
Artesia, NM 88210

Remediation Plan Denied - 02/27/2020, Cristina Eads

emnrd-ocd-district2spills@state.nm.us
Re: Release Characterization Work Plan
ConocoPhillips
James A-12 Injection Well
Unit P, Section 2, Township 22 South, Range 30 East
Eddy County, New Mexico
2RP-5696

Dear Mr. Bratcher:
ConocoPhillips conducted the **James A-12** (Unit P, Section 22, Township 22 South, Range 30 East), in Eddy County, New Mexico (Site). The release site coordinates are 32.4173279, -103.8466568

History

As reported to the State of New Mexico via C-141 Initial Report, the release occurred on October 16, 2019, due to flowline leak, about 18 barrels of produced water were released and nothing was recovered.

Site Characterization

Even that the spill occurred on pad and did not created additional disturbance, a site characterization was performed and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. However, the site is in a high karst potential area. According to the New Mexico Office of the State Engineer (NMOSE) the groundwater is at 262 feet below ground surface. Assessments are attached.

Initial Site Assessment

ConocoPhillips delineated and sampled the release area on November 05, 2019. Four samples points were completed at surface, 6", 2', 4', 6' and 8' from surface to evaluate the vertical contamination caused by the release. all samples were analyzed for chloride contamination Copies are attached.

Sampling Results

The results of samples taken are summarized below on the table and map attached.

Corrective Action Plan

Based on the obtained results, ConocoPhillips requests your approval to remove contaminated soil as proposed below.

SP 1 area: We propose to remove contaminated soil down to 9' below ground level
SP 2 area: We proposed to remove contaminated soil down to 9' below ground level.
SP 3 area: We propose to remove contaminated soil down to 2' below ground level.
SP 4 area: We proposed to remove contaminated soil down to 2' below ground level.

Bottom and sidewall sampling will be conducted and submitted to NMOCD for verification of remedial activities and analyzed for chlorides.
About 18,000 cubic feet of contaminated soil will be removed and replaced with clean caliche

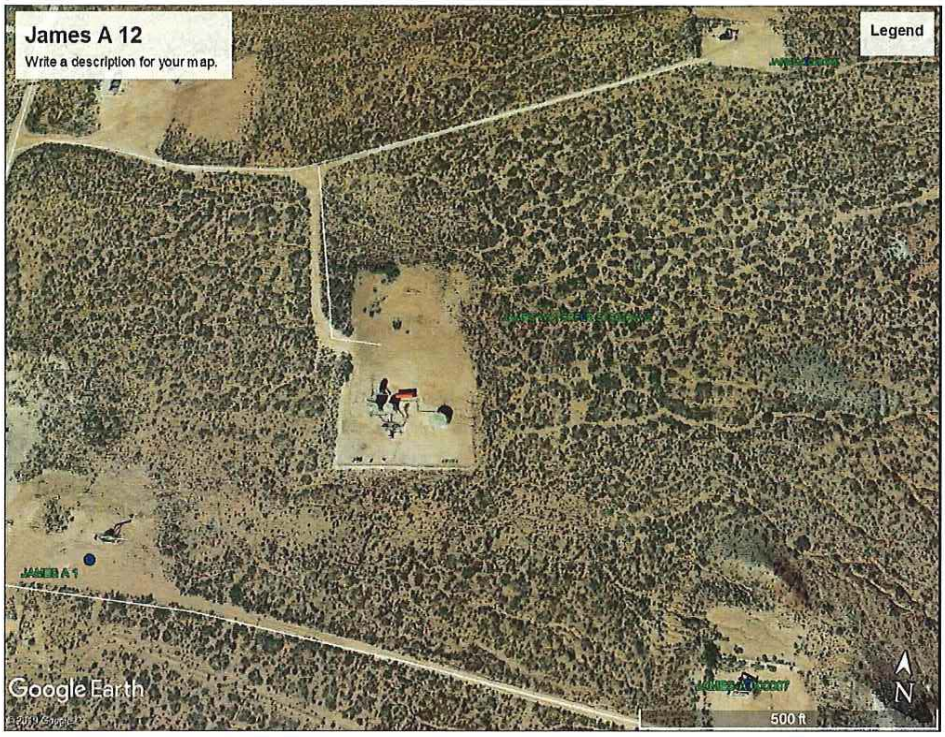
Conclusion

ConocoPhillips proposes to complete remediation within 90 days of this submittal. Once completed, we will submit closure report, accordingly.

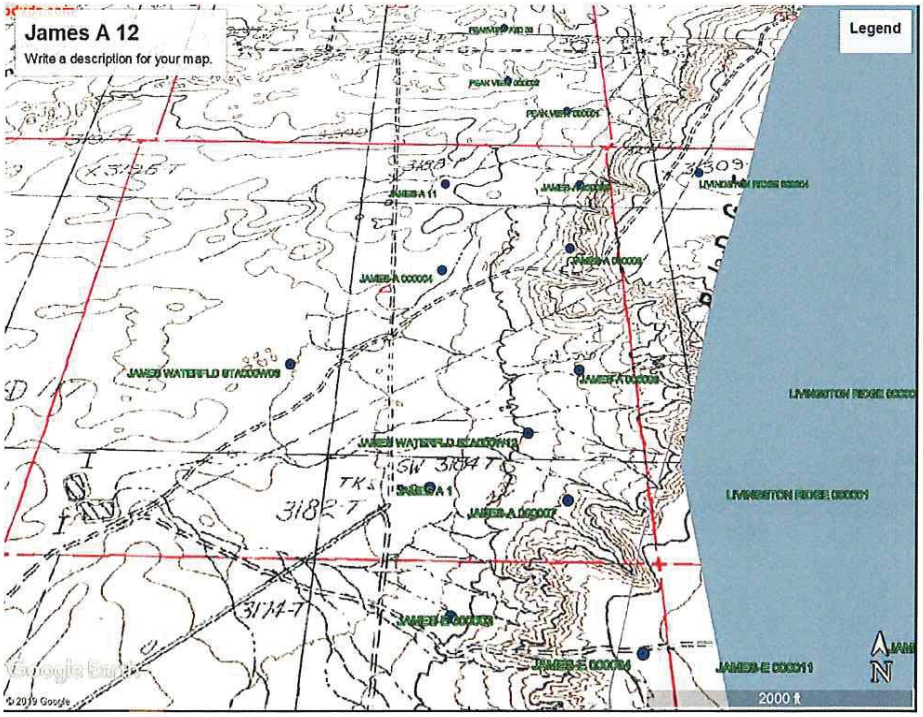
Regards,

Gustavo Fejervary.
Environmental Coordinator
432-210-7037

Overview Maps.



Topographic Map



Groundwater determination

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-basin Code	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Depth Well	Depth Water	Water Column
C 03015	CUB	ED	1	4	3	22	22S	30E	606099	3582353*	1316	262	1054

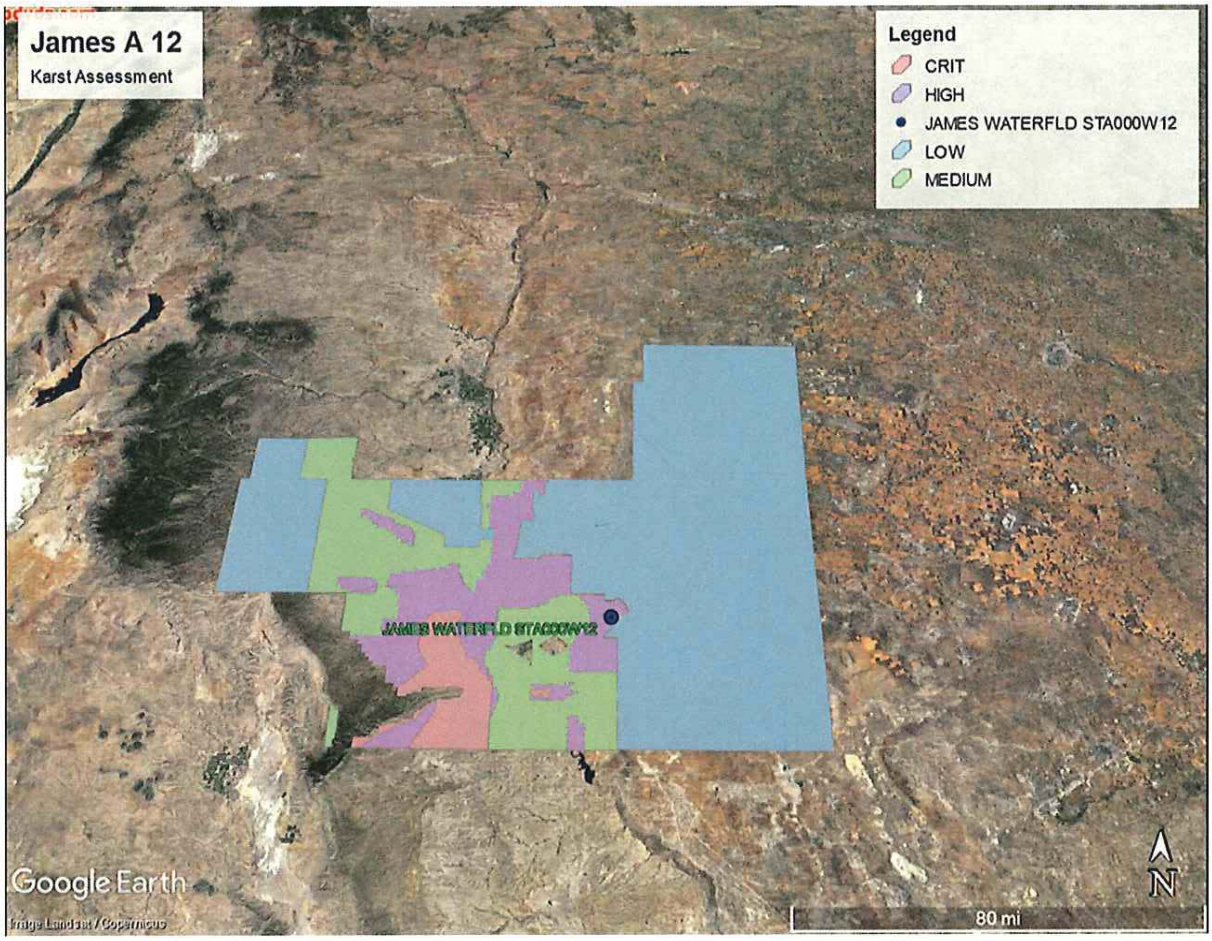
Average Depth to Water: 262 feet
Minimum Depth: 262 feet
Maximum Depth: 262 feet

Record Count: 1

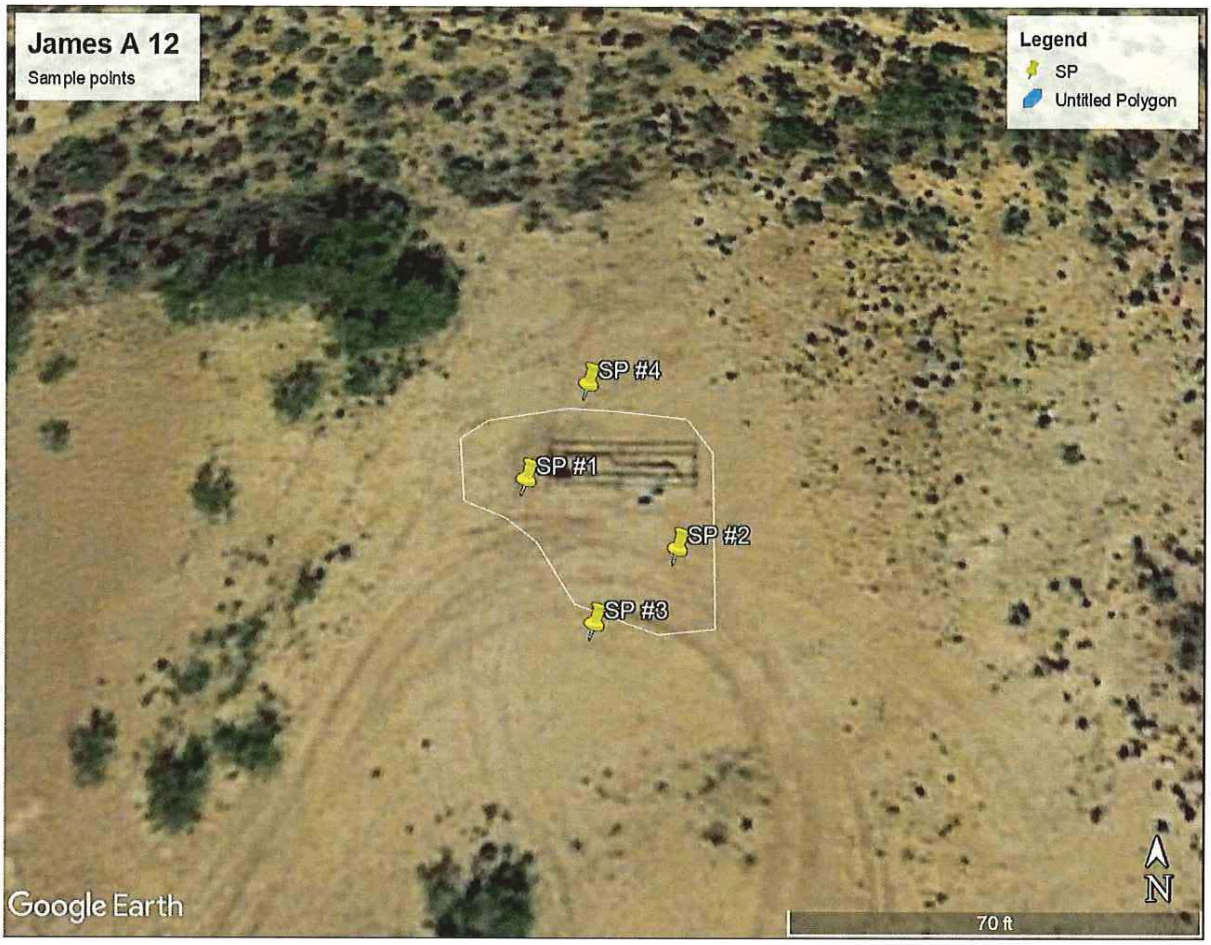
PLSS Search:
Section(s): 22 Township: 22S Range: 30E

*UTM location was derived from PLSS - see Help

Karst Assessment (High Potential)



Spill Area and Sample Points.

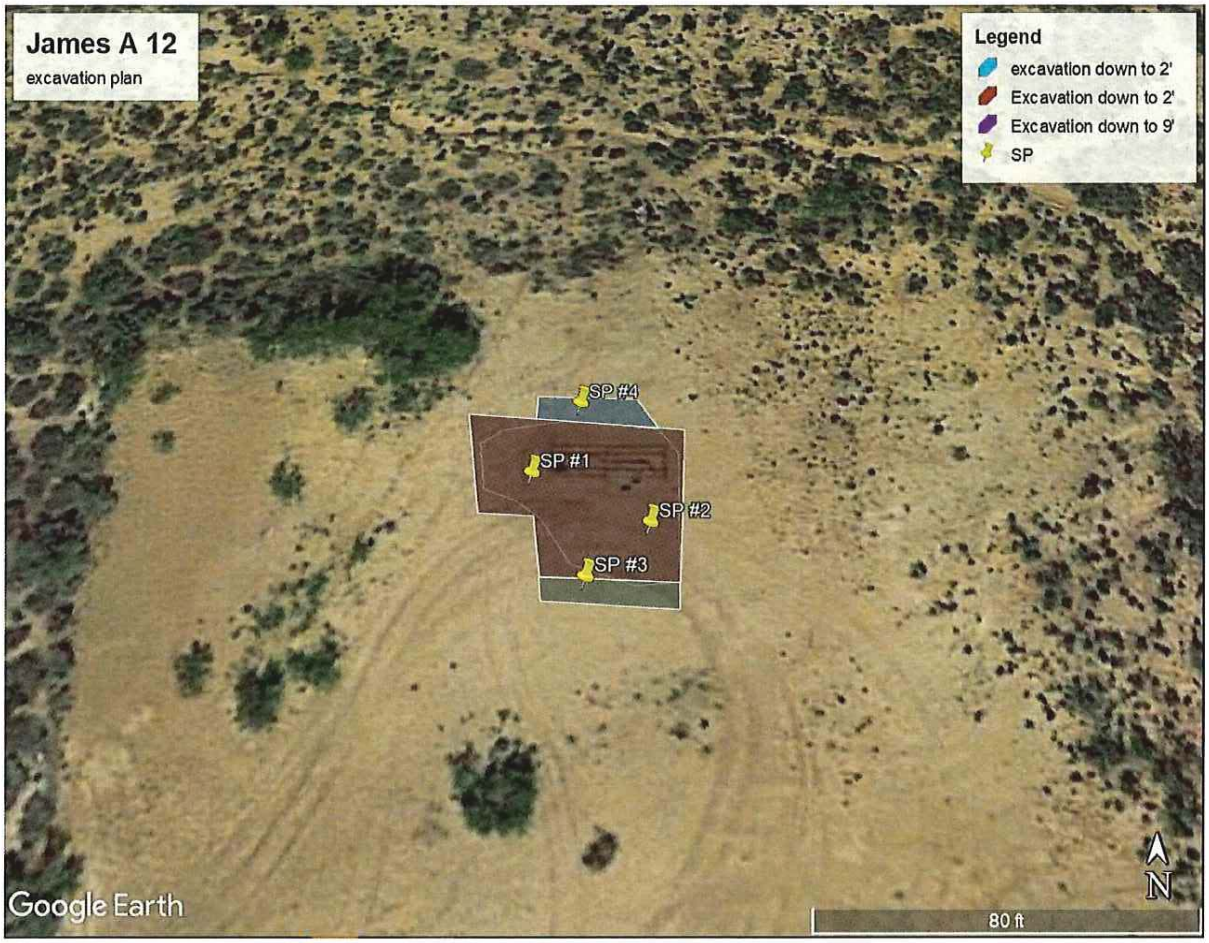


SAMPLE ID	SAMPLE DATE	SAMPLE INTERVAL	Chloride		To be remediated
		ft	mg/kg	Q	
SP #1	11/5/2019	6"	31600		YES
SP #1	11/5/2019	2'	1020		YES
SP #1	11/5/2019	4'	640		YES
SP #1	11/5/2019	6'	1840		YES
SP #1	11/5/2019	8'	640		YES
SP #2	11/5/2019	6"	15000		YES
SP #2	11/5/2019	2'	1150		YES
SP #2	11/5/2019	4'	1520		YES
SP #2	11/5/2019	6'	1600		YES
SP #2	11/5/2019	8'	1100		YES
SP #3	11/5/2019	Surface	2840		YES
SP #3	11/5/2019	2'	32		
SP #3	11/5/2019	4'	48		
SP #3	11/5/2019	6'	16		
SP #3	11/5/2019	8'	16		
SP #4	11/5/2019	Surface	2320		YES
SP #4	11/5/2019	2'	240		
SP #4	11/5/2019	4'	64		
SP #4	11/5/2019	6'	656		
SP #4	11/5/2019	8'	624		

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.
QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
RPD Relative Percent Difference
ND Analyte NOT DETECTED at or above the reporting limit

Excavation Plan.



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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party ConocoPhillips Company	OGRID 217817
Contact Name Gustavo Fejervary	Contact Telephone 432/210-7037
Contact email g.fejervary@cop.com	Incident # (assigned by OCD)
Contact mailing address	5735 SW 7000 Andrews, TX 79714

Location of Release Source

Latitude 32.4173279 Longitude -103.8466568
(NAD 83 in decimal degrees to 5 decimal places)

Site Name JAMES A 12	Site Type Injection well
Date Release Discovered 10/16/19	API# (if applicable) 30-015-26761

Unit Letter	Section	Township	Range	County
P	02	22S	30E	Eddy

Surface Owner: ☑ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☑ Produced Water	Volume Released (bbls) 18	Volume Recovered (bbls) 0
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release flow line leak. on pad

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State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☑ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☑ The source of the release has been stopped.
☑ The impacted area has been secured to protect human health and the environment.
☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☑ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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: Gustavo Fejervary
Title: Environmental Coordinator
Signature:
Date: 10/16/19
email: g.fejervary@cop.com
Telephone: 432/210-7037

OCD Only

Received by:
Date:

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-5696
Facility ID	
Application ID	

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?	262 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ 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)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ 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?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☑ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☑ 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 ½-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

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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nRM1931856084
District RP	2RP-5696
Facility ID	
Application ID	

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: Gustavo Fejervary Title: Environmental Coordinator

Signature: Date: 01/14/20

email: g.fejervary@cop.com Telephone: 432/210-7037

OCD Only

Received by: Cristina Eads Date: 02/27/2020

CARDINAL Laboratories

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

November 08, 2019

JUSTIN WRIGHT

Conoco Phillips - Hobbs

P. O. BOX 325

Hobbs, NM 88240

RE: JAMES A #12

Enclosed are the results of analyses for samples received by the laboratory on 11/06/19 13:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	11/06/2019	Sampling Date:	11/05/2019
Reported:	11/08/2019	Sampling Type:	Soil
Project Name:	JAMES A #12	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COPC - EDDY CO NM		

Sample ID: SP #1 - 6" (H903792-01)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**31600**	16.0	11/07/2019	ND	400	100	400	3.92	

Sample ID: SP #1 - 2' (H903792-02)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1020**	16.0	11/07/2019	ND	400	100	400	3.92	

Sample ID: SP #1 - 4' (H903792-03)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**640**	16.0	11/07/2019	ND	400	100	400	3.92	

Sample ID: SP #1 - 6' (H903792-04)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1840**	16.0	11/07/2019	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	11/06/2019	Sampling Date:	11/05/2019
Reported:	11/08/2019	Sampling Type:	Soil
Project Name:	JAMES A #12	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COPC - EDDY CO NM		

Sample ID: SP #1 - 8' (H903792-05)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**640**	16.0	11/07/2019	ND	400	100	400	3.92	

Sample ID: SP #2 - 6" (H903792-06)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**15000**	16.0	11/07/2019	ND	400	100	400	3.92	

Sample ID: SP #2 - 2' (H903792-07)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1150**	16.0	11/07/2019	ND	400	100	400	3.92	

Sample ID: SP #2 - 4' (H903792-08)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1520**	16.0	11/07/2019	ND	400	100	400	3.92	

Sample ID: SP #2 - 6' (H903792-09)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1600**	16.0	11/07/2019	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	11/06/2019	Sampling Date:	11/05/2019
Reported:	11/08/2019	Sampling Type:	Soil
Project Name:	JAMES A #12	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COPC - EDDY CO NM		

Sample ID: SP #2 - 8' (H903792-10)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1100**	16.0	11/07/2019	ND	400	100	400	3.92	

Sample ID: SP #3 - SURFACE (H903792-11)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2840**	16.0	11/07/2019	ND	400	100	400	3.92	

Sample ID: SP #3 - 2' (H903792-12)

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	11/07/2019	ND	400	100	400	3.92	

Sample ID: SP #3 - 4' (H903792-13)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	11/08/2019	ND	400	100	400	7.69	

Sample ID: SP #3 - 6' (H903792-14)

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	11/08/2019	ND	400	100	400	7.69	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	11/06/2019	Sampling Date:	11/05/2019
Reported:	11/08/2019	Sampling Type:	Soil
Project Name:	JAMES A #12	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COPC - EDDY CO NM		

Sample ID: SP #3 - 8' (H903792-15)

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	11/08/2019	ND	400	100	400	7.69	

Sample ID: SP #4 - SURFACE (H903792-16)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2320**	16.0	11/08/2019	ND	400	100	400	7.69	

Sample ID: SP #4 - 2' (H903792-17)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	11/08/2019	ND	400	100	400	7.69	

Sample ID: SP #4 - 4' (H903792-18)

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	11/08/2019	ND	400	100	400	7.69	

Sample ID: SP #4 - 6' (H903792-19)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	11/08/2019	ND	400	100	400	7.69	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

Conoco Phillips - Hobbs
JUSTIN WRIGHT
P. O. BOX 325
Hobbs NM, 88240
Fax To: (575) 297-1477

Received:	11/06/2019	Sampling Date:	11/05/2019
Reported:	11/08/2019	Sampling Type:	Soil
Project Name:	JAMES A #12	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COPC - EDDY CO NM		

Sample ID: SP #4 - 8' (H903792-20)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**624**	16.0	11/08/2019	ND	400	100	400	7.69	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	ConocoPhillips
Project Manager:	Justin Wright
Address:	
City:	Hobbs St NM Zip: #
Phone #:	575-631-9092 Fax #:
Project #:	Project Owner: COPC
Project Name:	James A 12
Project Location:	Eddy County, NM
Sampler Name:	Justin Wright

BILL TO

P.O. #:	
Company:	ConocoPhillips
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides
H903792-1	SP#1-6"	G				*					*		11-5		✓
2	SP#1-2'	G				*					*		11-5		✓
3	SP#1-4'	G				*					*		11-5		✓
4	SP#1-6'	G				*					*		11-5		✓
5	SP#1-8'	G				*					*		11-5		✓
6	SP#2-6"	G				*					*		11-5		✓
7	SP#2-2'	G				*					*		11-5		✓
8	SP#2-4'	G				*					*		11-5		✓
9	SP#2-6'	G				*					*		11-5		✓
10	SP#2-8'	G				*					*		11-5		✓

Relinquished By:	Date: 11-6-19 Time: 1:45 pm	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address:
Relinquished By:	Date: Time:	Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C -1.6 Corrected Temp. °C -1.2	Sample Condition: Cool ☑ Yes ☐ No, Intact ☑ Yes ☐ No	CHECKED BY: (Initials) TO
Turnaround Time:	Standard ☑ Rush ☐	Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No, Intact ☐ Yes ☐ No	Observed Temp. °C Corrected Temp. °C
Thermometer ID #97 Correction Factor +0.4 °C			

FORM-006 R 3.0

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	ConocoPhillips	BILL TO	
Project Manager:	Justin Wright	P.O. #:	
Address:		Company:	ConocoPhillips
City:	Hobbs	St NM Zip: #	Attn:
Phone #:	575-631-9092	Fax #:	Address:
Project #:		Project Owner: COPC	City:
Project Name:	James A #12		State: Zip:
Project Location:	Eddy County, NM		Phone #:
Sampler Name:	Justin Wright		Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		Chlorides
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	
H903792															✓
11	SP#3-Surface	G				*					*		11-5		✓
12	SP#3-2'	G				*					*		11-5		✓
13	SP#3-4'	G				*					*		11-5		✓
14	SP#3-6'	G				*					*		11-5		✓
15	SP#3-8'	G				*					*		11-5		✓
16	SP#4-surface	G				*					*		11-5		✓
17	SP#4-2'	G				*					*		11-5		✓
18	SP#4-4'	G				*					*		11-5		✓
19	SP#4-6'	G				*					*		11-5		✓
20	SP#4-8'	G				*					*		11-5		✓

Relinquished By:	Date: 11-6-19 Time: 1:45 pm	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
			All Results are emailed. Please provide Email address:
Relinquished By:	Date: Time:	Received By:	REMARKS:

Delivered By: (Circle One)	Observed Temp. °C -1.6	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C -1.2	☐ Yes ☑ Yes ☐ No ☐ No	TC	Thermometer ID #97 Correction Factor +0.4 °C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.0

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