Environmental & Safety Solutions, Inc.

CLOSURE REQUEST REPORT

Hayhurst 17 Federal #001H

Eddy County, New Mexico

Incident Number nRM2017141758

Prepared For:

Chevron USA, Inc.

6301 Deauville Blvd.

Midland, TX 79706

Carlsbad ● Midland ● San Antonio ● Lubbock ● Hobbs ● Lafayette

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Chevron USA, Inc. (Chevron), presents the following Closure Request Report (CRR) detailing corrective actions and subsequent soil sampling events as proposed in an approved Remediation Work Plan (RWP), for an inadvertent release of produced water at the Hayhurst 17 Federal #001H (Site). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, Chevron is requesting No Further Action (NFA) at the Site.

SITE LOCATION AND BACKGROUND

The Site is located in Unit D, Section 17, Township 25 South, Range 27 East, in Eddy County, New Mexico (32.1371536° N, 104.2202759° W) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM) (**Figure 1** in **Appendix A**). The tank valve, where the release originated, is located east of the production well (32.137333° N, 104.219182° W).

On May 5, 2020, a third-party truck driver failed to properly close a tank valve after picking up a load of produced water from the facility, causing the release of approximately 23.45 barrels (bbls) of produced water onto the well pad surface. No fluids were recovered. Chevron reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on June 17, 2020, and was subsequently assigned Incident Number nRM2017141758. **Figure 2** in **Appendix A** depicts the observed release area, hereafter referred to as the Area of Concern (AOC).

On December 10, 2021, a third-party environmental consultant conducted site assessment and delineation activities to assess the presence and/or absence of impacts at the Site. A RWP was prepared to address residual impacts based on laboratory analytical results from delineation activities that exceeded the Site Closure Criteria. The RWP was approved by the NMOCD on April 19, 2022, with the following condition:

- *Samples must be analyzed for the constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Sidewall/Floor samples should represent no more than 200 ft^2. The work will need to occur in 90 days after the work plan has been approved*.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

As previously described in the approved RWP, the Site was characterized according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

Regional depth to groundwater at the Site is estimated to be less than 50 feet below ground surface (bgs), based off the nearest well with available depth to groundwater data. The closest well with recent depth to ground available groundwater data is the United States Geological Survey (USGS) well 320737104140601, located approximately 1.38 miles southwest of the Site. The well has a reported depth to groundwater of 6.24 bgs from 2018. The location of the USGS well and other regional groundwater well locations are shown in **Figure 1A** in **Appendix A**. All well records referenced for depth to groundwater determination are included in **Appendix B**.

Based on the desktop review of the current BLM Carlsbad Field Office (CFO) karst cave potential map, this Site is located in a high potential karst area. All other potential receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used for the site characterization are included in **Figure 1B** and **Figure 1C** in **Appendix A**.

Based on the results from the desktop review (specifically the BLM CFO karst designation) and depth to groundwater, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria
Chloride	(Environmental Protection Agency) EPA 300.0	600 milligrams per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	100 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	50 mg/kg

EXCAVATION AND SOIL SAMPLING ACTIVITIES

Between July 27, 2023, and July 28, 2023, Etech personnel conducted excavation activities via mechanical equipment based on results of laboratory analytical results for delineation soil samples and visual observations. Excavation activities were driven by field screening soil samples for volatile organic compounds (VOCs) using a photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips.

Following the removal of residual soil impacts, Etech collected 5-point composite confirmation excavation soil samples at a sampling frequency of 200 square feet from the excavation floor and sidewalls. The 5-point composite samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. Each sidewall sample depth represented the approximate average depth from which the five aliquots were collected, which ranged from 1-foot to 3 feet bgs. Floor samples were collected from depths of 0.25 feet and 3 feet bgs. The soil samples were then placed into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Permian Basin Environmental Laboratory (PBELAB) in Midland, Texas, for analysis of COCs. The location of confirmation excavation soil samples is shown in **Figure 2** in **Appendix A**.

Approximately 32 cubic yards (CY) of impacted soil was removed from the Site was transported to a licensed and approved New Mexico landfill facility under Chevron approved waste manifests. Upon receipt of the final confirmation excavation soil samples results, the excavation was backfilled with clean, locally sourced soil and the Site was restored to “as close to its original state” as possible. Photographic documentation of excavation activities is included in **Appendix C**.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final confirmation soil samples indicated all analyzed COCs were below the Site Closure Criteria. Laboratory analytical results are summarized in **Table 1** included in **Appendix D**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix E**.

SITE CLOSURE REQUEST

Based on laboratory analytical results for confirmation excavation soil samples, Chevron believes that residual soil impacts associated with the inadvertent release have been delineated, excavated, and removed from the Site. Concentrations of the COCs for all final confirmation excavation soil samples were below the Site Closure Criteria. As such, NFA appears warranted at this time and the CRR associated with Incident Number nRM2017141758 should be respectfully considered for Closure by the NMOCD. Chevron believes the completed remedial actions meet the requirements set forth in the NMAC regulations and to be protective of human health, the environment, and groundwater.

If you have any questions or comments, please do not hesitate to contact Blake Estep at (432) 894-6038 or blake@etechenv.com. **Appendix F** provides correspondence email notification receipts associated with the subject release. Previous remediation activities and soil sample analytical results for the subject release can be referenced in the approved RWP in **Appendix G**.

Sincerely,
Etech Environmental and Safety Solutions, Inc.

Blake Estep, Project Manager

cc: Amy Barnhill, Chevron
New Mexico Oil Conservation Division
Bureau of Land Management

Appendices:

Appendix A: Figure 1: Site Map
Figure 1A: Site Characterization Map – Groundwater
Figure 1B: Site Characterization Map – Surficial Receptors
Figure 1C: Site Characterization Map – Karst Potential
Figure 2: Excavation Soil Sample Locations

Appendix B: Referenced Well Records

Appendix C: Photographic Log

Appendix D: Table

Appendix E: Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix F: Email Notifications

Appendix G: Approved Remediation Work Plan

APPENDIX A

Figures

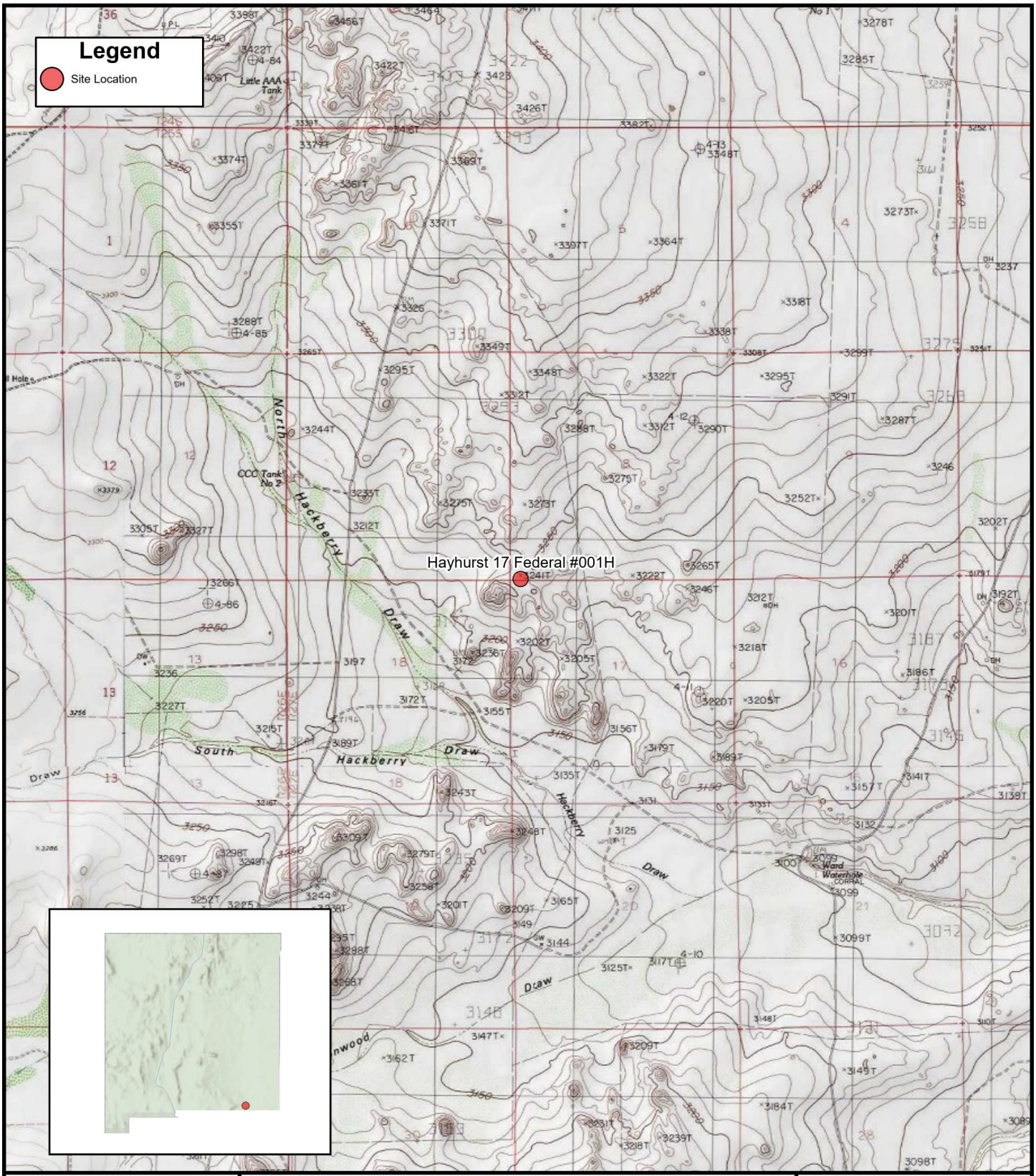


FIGURE 1

Site Location Map

Chevron USA, Inc.
Hayhurst 17 Federal #001H
Unit D Sec 17 T25S R27E
Eddy County, New Mexico

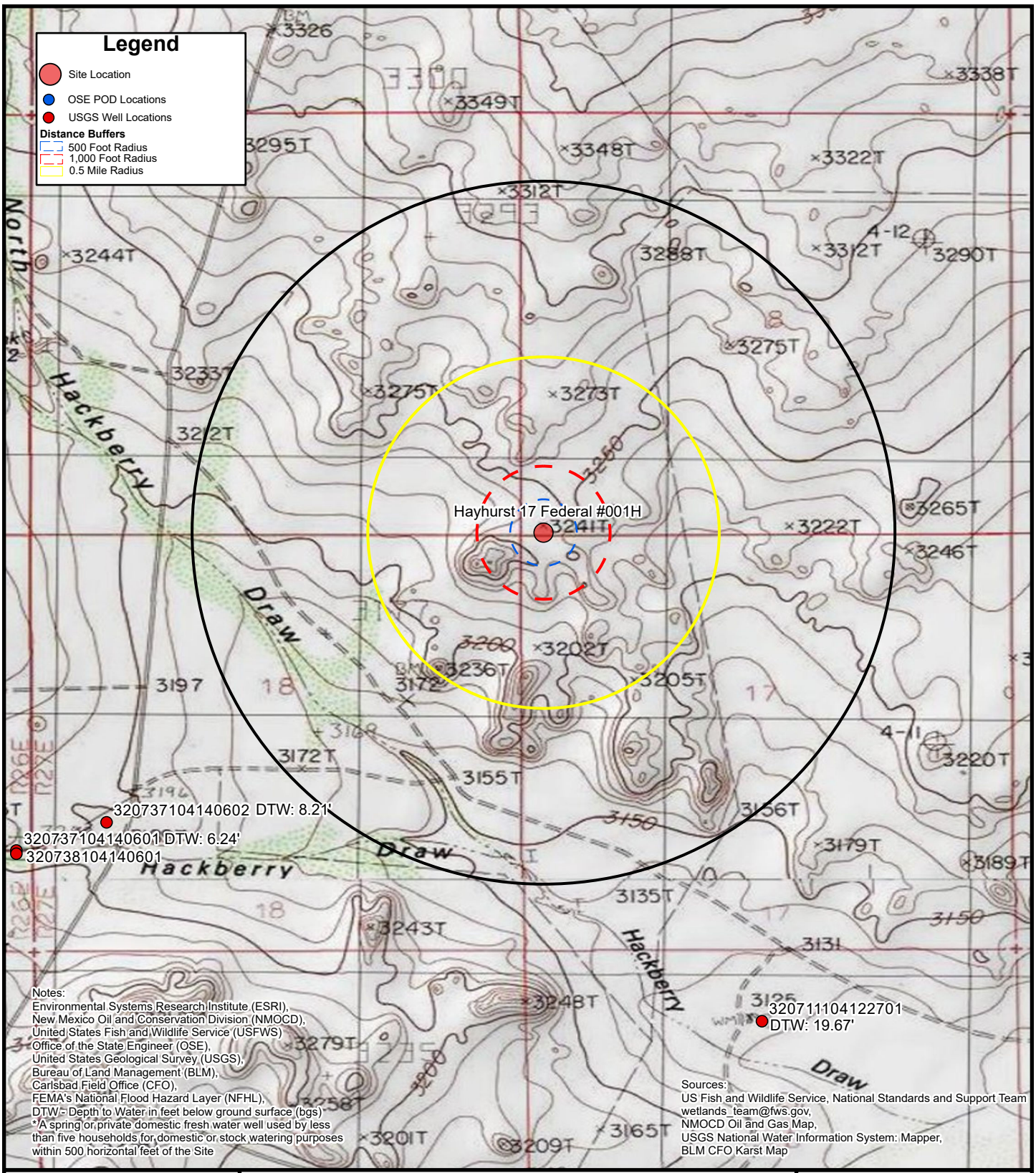


FIGURE 1A

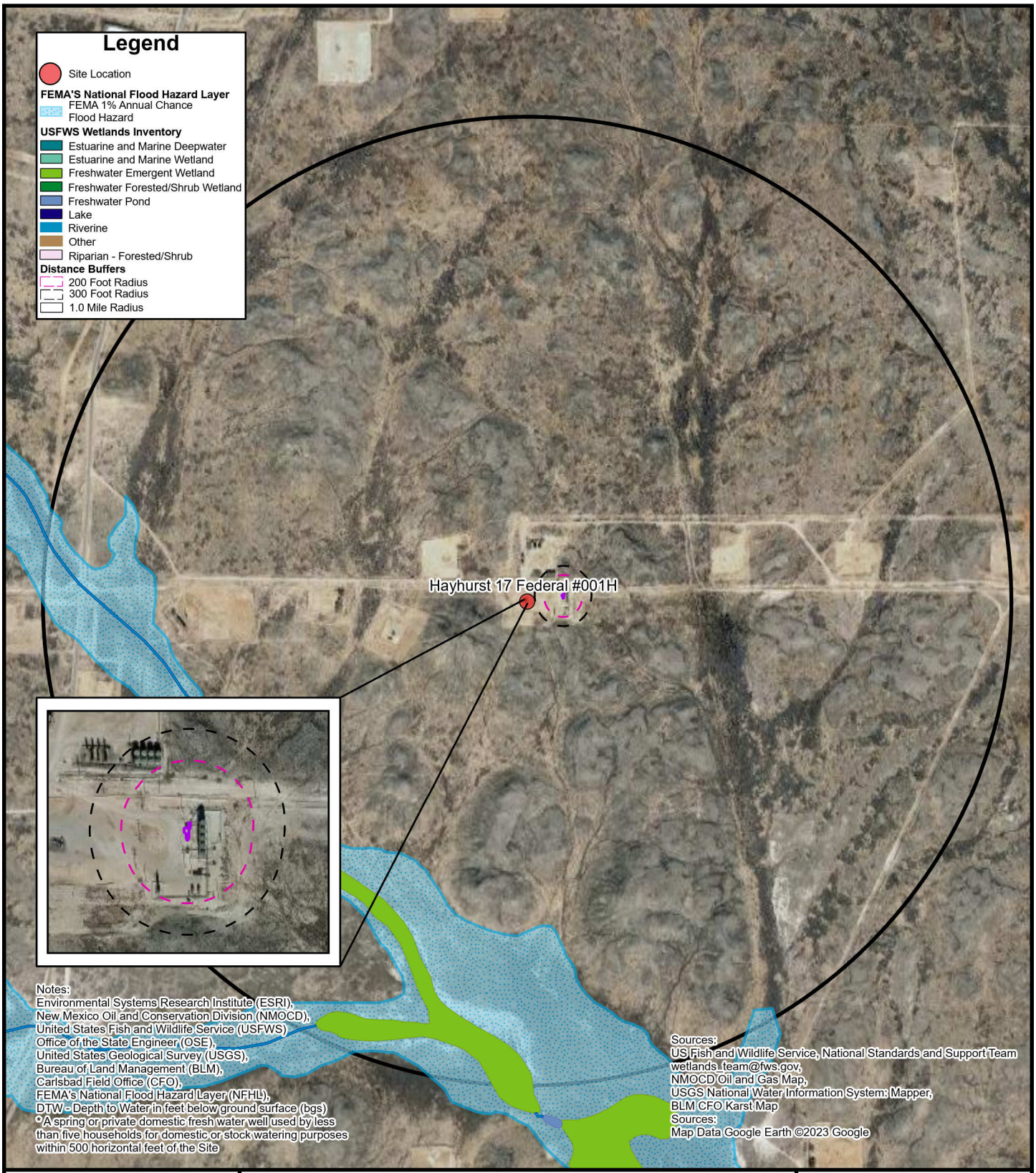
Site Characterization Map

Groundwater

Chevron USA, Inc.
Hayhurst 17 Federal #001H
Unit D Sec 17 T25S R27E
Eddy County, New Mexico

N

0 500 1,000 Feet



eTECH

FIGURE 1B

Site Characterization Map

Surficial Receptors

Chevron USA, Inc.
Hayhurst 17 Federal #001H
Unit D Sec 17 T25S R27E
Eddy County, New Mexico

N

0 500 1,000 Feet

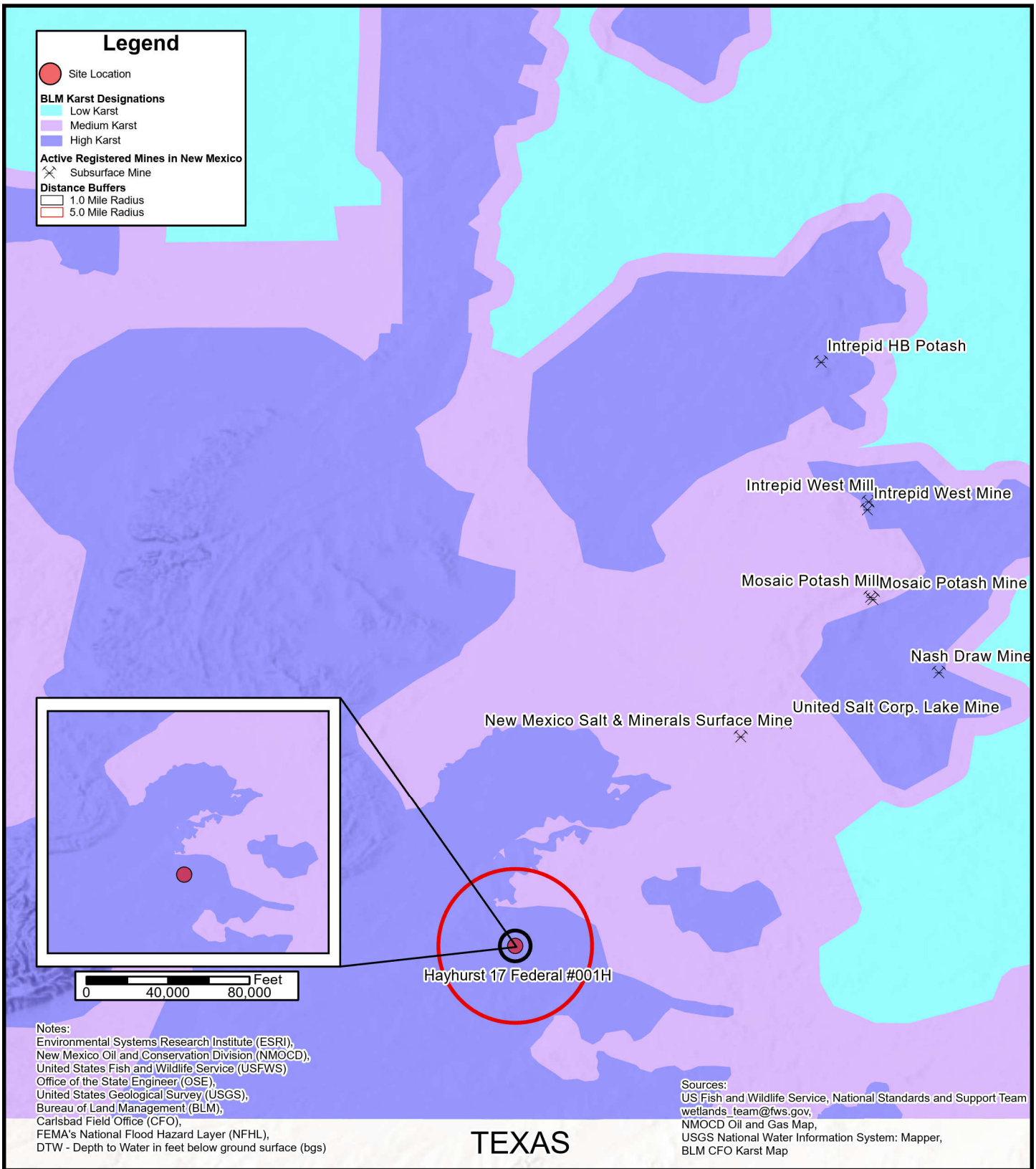


FIGURE 1C

Site Characterization Map

Subsurface Receptors

Chevron USA, Inc.
Hayhurst 17 Federal #001H
Unit D Sec 17 T25S R27E
Eddy County, New Mexico

N

Feet
0
20,000
40,000

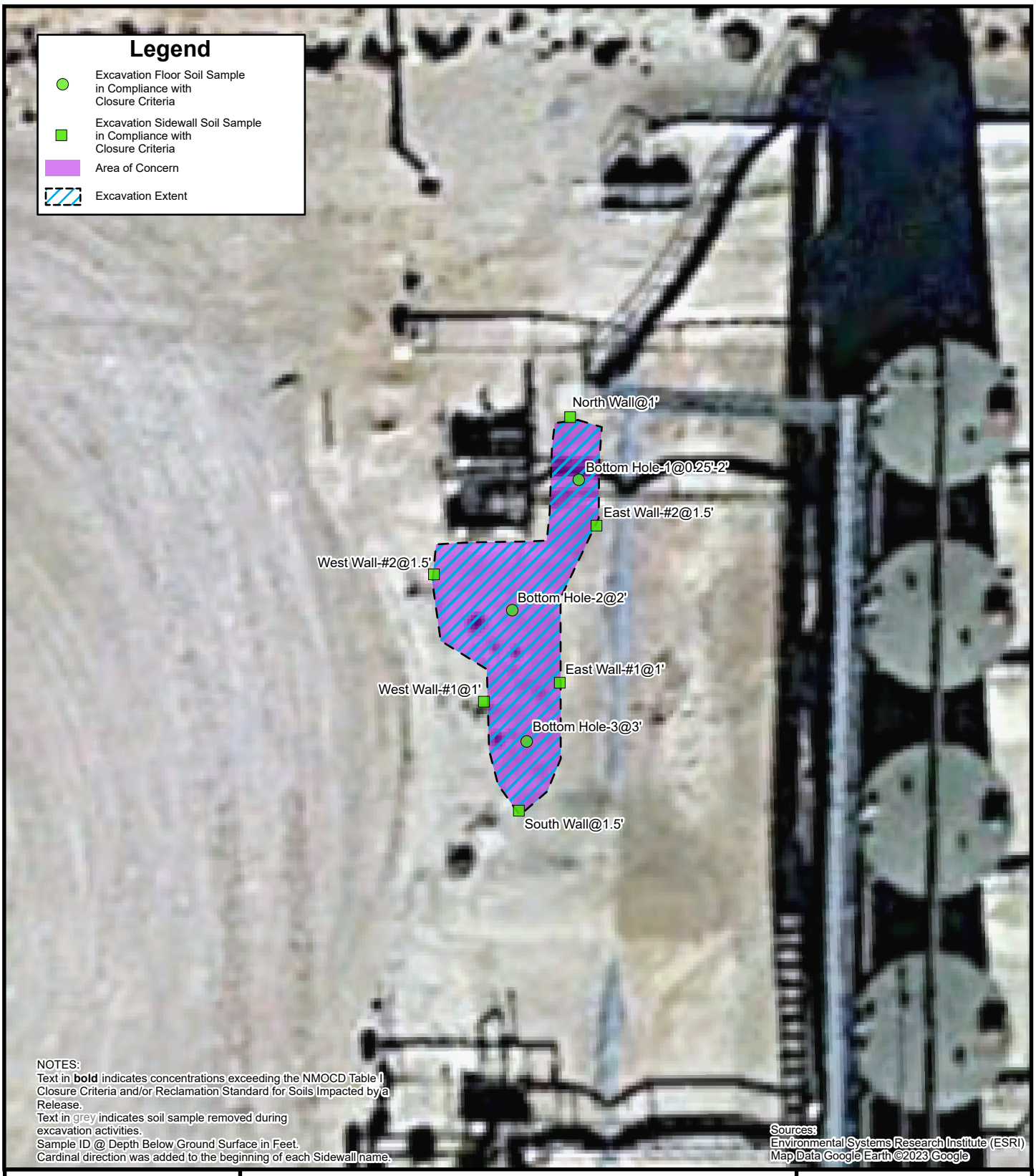


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FIGURE 2

Excavation Soil Sample Locations

Chevron USA, Inc.
Hayhurst 17 Federal #001H
Unit D Sec 17 T25S R27E
Eddy County, New Mexico

N

0 9 18 Feet

APPENDIX B

Referenced Well Records

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320737104140601

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320737104140601 25S.26E.13.44222

Eddy County, New Mexico
Latitude 32°07'33.9", Longitude 104°14'19.1" NAD83
Land-surface elevation 3,205.00 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1983-02-01		D	62610		3196.58	NGVD29	1	Z		
1983-02-01		D	62611		3198.24	NAVD88	1	Z		
1983-02-01		D	72019	8.42			1	Z		
1987-10-08		D	62610		3196.87	NGVD29	1	Z		
1987-10-08		D	62611		3198.53	NAVD88	1	Z		
1987-10-08		D	72019	8.13			1	Z		
1992-11-04		D	62610		3196.06	NGVD29	1	S		
1992-11-04		D	62611		3197.72	NAVD88	1	S		
1992-11-04		D	72019	8.94			1	S		
1998-01-07		D	62610		3193.54	NGVD29	1	S		
1998-01-07		D	62611		3195.20	NAVD88	1	S		
1998-01-07		D	72019	11.46			1	S		
2003-02-10		D	62610		3191.53	NGVD29	1	S	USGS	
2003-02-10		D	62611		3193.19	NAVD88	1	S	USGS	
2003-02-10		D	72019	13.47			1	S	USGS	
2013-01-09	23:00 UTC	m	62610		3192.19	NGVD29	P	S	USGS	
2013-01-09	23:00 UTC	m	62611		3193.85	NAVD88	P	S	USGS	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
2013-01-09	23:00 UTC	m	72019	12.81			P	S	USGS	
2018-02-01	20:30 UTC	m	62610		3198.76	NGVD29	1	S	USGS	
2018-02-01	20:30 UTC	m	62611		3200.42	NAVD88	1	S	USGS	
2018-02-01	20:30 UTC	m	72019	6.24			1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Data Category: Groundwater | Geographic Area: New Mexico | GO

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- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320447104114201

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320447104114201 25S.27E.33.34344

Eddy County, New Mexico
Latitude 32°04'47", Longitude 104°11'42" NAD27
Land-surface elevation 3,144 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source o measure
1983-02-15		D	62610		3124.21	NGVD29	1	Z		
1983-02-15		D	62611		3125.84	NAVD88	1	Z		
1983-02-15		D	72019	18.16			1	Z		
1987-10-09		D	62610		3128.33	NGVD29	1	Z		
1987-10-09		D	62611		3129.96	NAVD88	1	Z		
1987-10-09		D	72019	14.04			1	Z		
1992-11-20		D	62610		3127.94	NGVD29	3	S		
1992-11-20		D	62611		3129.57	NAVD88	3	S		
1992-11-20		D	72019	14.43			3	S		
1998-01-07		D	62610		3122.07	NGVD29	1	S		
1998-01-07		D	62611		3123.70	NAVD88	1	S		
1998-01-07		D	72019	20.30			1	S		
2003-01-28		D	62610		3120.56	NGVD29	1	S	USGS	
2003-01-28		D	62611		3122.19	NAVD88	1	S	USGS	
2003-01-28		D	72019	21.81			1	S	USGS	
2018-01-09	22:08 UTC	m	62610		3124.49	NGVD29	3	V	USGS	
2018-01-09	22:08 UTC	m	62611		3126.12	NAVD88	3	V	USGS	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source o measure
2018-01-09	22:08 UTC	m	72019	17.88			3	V	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	3	True value is above reported value due to local conditions
Method of measurement	S	Steel-tape measurement.
Method of measurement	V	Calibrated electric-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
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Accessibility FOIA Privacy Policies and Notices
U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-02-04 11:05:00 EST
0.29 0.25 nadww01

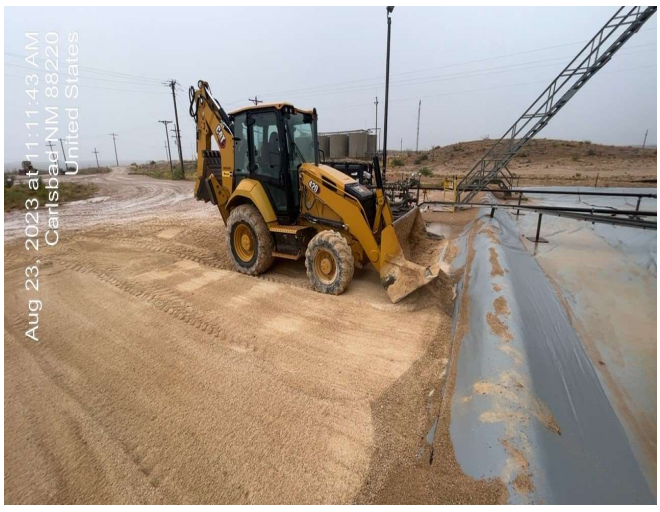
APPENDIX C

Photographic Log

PHOTOGRAPHIC LOG
Chevron USA, Inc
Hayhurst 17 Federal #001H
Incident Number nRM2017141758

Photograph 1 **Date: 07/27/2023**
Description: Southern view of excavation activities.

Photograph 2 **Date: 07/27/2023**
Description: Eastern view of excavation activities.



Photograph 3 **Date: 08/23/2023**
Description: Northwestern view of restoration activities.

Photograph 4 **Date: 08/23/2023**
Description: Northeastern view of restoration activities.

APPENDIX D

Tables

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Chevron USA, Inc.
Hayhurst 17 Federal #001H
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Sample Depth (inches bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)				**10**	**50**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Soil Samples - Incident Number nRM2017141758										
Bottom Hole-1	07/28/2023	0.25-2	3-36	<0.0202	<0.0404	<25.3	<25.3	<25.3	<25.3	175
Bottom Hole-2	07/28/2023	2	24	<0.0202	<0.0404	<25.3	<25.3	<25.3	<25.3	97.8
Bottom Hole-3	07/28/2023	3	36	<0.0202	<0.0404	<25.3	<25.3	<25.3	<25.3	97.8
North Wall	07/28/2023	1	12	<0.0202	<0.0404	<25.3	<25.3	<25.3	<25.3	92.5
South Wall	07/28/2023	1.5	18	<0.0202	<0.0404	<25.3	<25.3	<25.3	<25.3	91.3
East Wall-#1	07/28/2023	1	12	<0.0202	<0.0404	<25.3	<25.3	<25.3	<25.3	121
East Wall-#2	07/28/2023	1.5	18	<0.0204	<0.0408	<25.5	<25.5	<25.5	<25.5	99.8
West Wall- #1	07/28/2023	1	12	<0.0204	<0.0408	<25.5	<25.5	<25.5	<25.5	95.3
West Wall- #2	07/28/2023	1.5	18	<0.0202	<0.0404	<25.3	<25.3	<25.3	<25.3	95.2

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code
Text in ""grey"" represents excavated soil samples
*Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard[†] for Soils Impacted by a Release*
[†] The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Analytical Report Rev. 1

Prepared for:

Blake Estep
E Tech Environmental & Safety Solutions, Inc. [1]
13000 West County Road 100
Odessa, TX 79765

Project: Hayhurst 17 Fed IH
Project Number: 17257
Location: None Given

Lab Order Number: 3H01017

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 02/23/24

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Hole-1 @ 0.25'-2'	3H01017-01	Soil	07/28/23 09:30	07-31-2023 16:22
Bottom Hole-2 @ 2'	3H01017-02	Soil	07/28/23 09:35	07-31-2023 16:22
Bottom Hole-3 @ 3'	3H01017-03	Soil	07/28/23 09:40	07-31-2023 16:22
North Wall @ 1'	3H01017-04	Soil	07/28/23 09:45	07-31-2023 16:22
South Wall @ 18"	3H01017-05	Soil	07/28/23 09:50	07-31-2023 16:22
East Wall-#1 @ 12"	3H01017-06	Soil	07/28/23 09:55	07-31-2023 16:22
East Wall-#2 @ 18"	3H01017-07	Soil	07/28/23 10:00	07-31-2023 16:22
West Wall- #1 @ 12"	3H01017-08	Soil	07/28/23 10:05	07-31-2023 16:22
West Wall- #2 @ 18"	3H01017-09	Soil	07/28/23 10:10	07-31-2023 16:22

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole-1 @ 0.25'-2'

3H01017-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 14:48	EPA 8021B	
Toluene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 14:48	EPA 8021B	
Ethylbenzene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 14:48	EPA 8021B	
Xylene (p/m)	ND	0.0404	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 14:48	EPA 8021B	
Xylene (o)	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 14:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*132 %*		*80-120*		*P3H0305*	*08/03/23 09:45*	*08/03/23 14:48*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene	*92.0 %*		*80-120*		*P3H0305*	*08/03/23 09:45*	*08/03/23 14:48*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 18:48	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 18:48	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 18:48	TPH 8015M	
Surrogate: 1-Chlorooctane	*75.6 %*		*70-130*		*P3H0306*	*08/03/23 15:09*	*08/03/23 18:48*	*TPH 8015M*	
Surrogate: o-Terphenyl	*66.4 %*		*70-130*		*P3H0306*	*08/03/23 15:09*	*08/03/23 18:48*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	08/03/23 15:09	08/03/23 18:48	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**175**	10.1	mg/kg dry	10	P3H0213	08/03/23 13:06	08/03/23 18:41	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P3H0216	08/02/23 12:25	08/02/23 12:29	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole-2 @ 2'

3H01017-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 15:08	EPA 8021B	
Toluene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 15:08	EPA 8021B	
Ethylbenzene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 15:08	EPA 8021B	
Xylene (p/m)	ND	0.0404	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 15:08	EPA 8021B	
Xylene (o)	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 15:08	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	*92.0 %*		*80-120*		*P3H0305*	*08/03/23 09:45*	*08/03/23 15:08*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene	*130 %*		*80-120*		*P3H0305*	*08/03/23 09:45*	*08/03/23 15:08*	*EPA 8021B*	*S-GC*
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 19:15	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 19:15	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 19:15	TPH 8015M	
Surrogate: 1-Chlorooctane	*72.8 %*		*70-130*		*P3H0306*	*08/03/23 15:09*	*08/03/23 19:15*	*TPH 8015M*	
Surrogate: o-Terphenyl	*65.1 %*		*70-130*		*P3H0306*	*08/03/23 15:09*	*08/03/23 19:15*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	08/03/23 15:09	08/03/23 19:15	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**97.8**	10.1	mg/kg dry	10	P3H0213	08/03/23 13:06	08/03/23 19:24	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P3H0216	08/02/23 12:25	08/02/23 12:29	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole-3 @ 3'

3H01017-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 15:29	EPA 8021B	
Toluene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 15:29	EPA 8021B	
Ethylbenzene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 15:29	EPA 8021B	
Xylene (p/m)	ND	0.0404	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 15:29	EPA 8021B	
Xylene (o)	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 15:29	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	*92.4 %*		*80-120*		*P3H0305*	*08/03/23 09:45*	*08/03/23 15:29*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene	*133 %*		*80-120*		*P3H0305*	*08/03/23 09:45*	*08/03/23 15:29*	*EPA 8021B*	*S-GC*
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 19:41	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 19:41	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 19:41	TPH 8015M	
Surrogate: 1-Chlorooctane	*71.3 %*		*70-130*		*P3H0306*	*08/03/23 15:09*	*08/03/23 19:41*	*TPH 8015M*	
Surrogate: o-Terphenyl	*63.9 %*		*70-130*		*P3H0306*	*08/03/23 15:09*	*08/03/23 19:41*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	08/03/23 15:09	08/03/23 19:41	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**97.8**	10.1	mg/kg dry	10	P3H0213	08/03/23 13:06	08/03/23 19:39	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P3H0216	08/02/23 12:25	08/02/23 12:29	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

North Wall @ 1'

3H01017-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 15:50	EPA 8021B	
Toluene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 15:50	EPA 8021B	
Ethylbenzene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 15:50	EPA 8021B	
Xylene (p/m)	ND	0.0404	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 15:50	EPA 8021B	
Xylene (o)	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 15:50	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	*91.2 %*		*80-120*		*P3H0305*	*08/03/23 09:45*	*08/03/23 15:50*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene	*134 %*		*80-120*		*P3H0305*	*08/03/23 09:45*	*08/03/23 15:50*	*EPA 8021B*	*S-GC*
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 20:08	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 20:08	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 20:08	TPH 8015M	
Surrogate: 1-Chlorooctane	*66.7 %*		*70-130*		*P3H0306*	*08/03/23 15:09*	*08/03/23 20:08*	*TPH 8015M*	*S-GC1*
Surrogate: o-Terphenyl	*59.9 %*		*70-130*		*P3H0306*	*08/03/23 15:09*	*08/03/23 20:08*	*TPH 8015M*	*S-GC1*
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	08/03/23 15:09	08/03/23 20:08	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**92.5**	10.1	mg/kg dry	10	P3H0213	08/03/23 13:06	08/03/23 19:53	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P3H0216	08/02/23 12:25	08/02/23 12:29	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

South Wall @ 18''

3H01017-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 16:12	EPA 8021B	
Toluene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 16:12	EPA 8021B	
Ethylbenzene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 16:12	EPA 8021B	
Xylene (p/m)	ND	0.0404	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 16:12	EPA 8021B	
Xylene (o)	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 16:12	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	*92.5 %*		*80-120*		*P3H0305*	*08/03/23 09:45*	*08/03/23 16:12*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene	*128 %*		*80-120*		*P3H0305*	*08/03/23 09:45*	*08/03/23 16:12*	*EPA 8021B*	*S-GC*
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 20:34	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 20:34	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 20:34	TPH 8015M	
Surrogate: 1-Chlorooctane	*77.8 %*		*70-130*		*P3H0306*	*08/03/23 15:09*	*08/03/23 20:34*	*TPH 8015M*	
Surrogate: o-Terphenyl	*68.8 %*		*70-130*		*P3H0306*	*08/03/23 15:09*	*08/03/23 20:34*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	08/03/23 15:09	08/03/23 20:34	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**91.3**	10.1	mg/kg dry	10	P3H0213	08/03/23 13:06	08/03/23 20:08	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P3H0216	08/02/23 12:25	08/02/23 12:29	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

East Wall-#1 @ 12"

3H01017-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 16:33	EPA 8021B	
Toluene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 16:33	EPA 8021B	
Ethylbenzene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 16:33	EPA 8021B	
Xylene (p/m)	ND	0.0404	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 16:33	EPA 8021B	
Xylene (o)	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 16:33	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	*92.3 %*		*80-120*		*P3H0305*	*08/03/23 09:45*	*08/03/23 16:33*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene	*133 %*		*80-120*		*P3H0305*	*08/03/23 09:45*	*08/03/23 16:33*	*EPA 8021B*	*S-GC*
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 21:00	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 21:00	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 21:00	TPH 8015M	
Surrogate: 1-Chlorooctane	*81.7 %*		*70-130*		*P3H0306*	*08/03/23 15:09*	*08/03/23 21:00*	*TPH 8015M*	
Surrogate: o-Terphenyl	*71.0 %*		*70-130*		*P3H0306*	*08/03/23 15:09*	*08/03/23 21:00*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	08/03/23 15:09	08/03/23 21:00	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**121**	10.1	mg/kg dry	10	P3H0214	08/03/23 13:08	08/03/23 21:34	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P3H0216	08/02/23 12:25	08/02/23 12:29	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

East Wall-#2 @ 18"

3H01017-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.0204	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 16:54	EPA 8021B	
Toluene	ND	0.0204	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 16:54	EPA 8021B	
Ethylbenzene	ND	0.0204	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 16:54	EPA 8021B	
Xylene (p/m)	ND	0.0408	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 16:54	EPA 8021B	
Xylene (o)	ND	0.0204	mg/kg dry	20	P3H0305	08/03/23 09:45	08/03/23 16:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*131 %*		*80-120*		*P3H0305*	*08/03/23 09:45*	*08/03/23 16:54*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene	*90.9 %*		*80-120*		*P3H0305*	*08/03/23 09:45*	*08/03/23 16:54*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 21:26	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 21:26	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 21:26	TPH 8015M	
Surrogate: 1-Chlorooctane	*76.3 %*		*70-130*		*P3H0306*	*08/03/23 15:09*	*08/03/23 21:26*	*TPH 8015M*	
Surrogate: o-Terphenyl	*68.1 %*		*70-130*		*P3H0306*	*08/03/23 15:09*	*08/03/23 21:26*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	08/03/23 15:09	08/03/23 21:26	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**99.8**	10.2	mg/kg dry	10	P3H0214	08/03/23 13:08	08/03/23 22:17	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P3H0216	08/02/23 12:25	08/02/23 12:29	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

West Wall- #1 @ 12''

3H01017-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.0204	mg/kg dry	20	P3H0305	08/03/23 09:45	08/04/23 09:42	EPA 8021B	
Toluene	ND	0.0204	mg/kg dry	20	P3H0305	08/03/23 09:45	08/04/23 09:42	EPA 8021B	
Ethylbenzene	ND	0.0204	mg/kg dry	20	P3H0305	08/03/23 09:45	08/04/23 09:42	EPA 8021B	
Xylene (p/m)	ND	0.0408	mg/kg dry	20	P3H0305	08/03/23 09:45	08/04/23 09:42	EPA 8021B	
Xylene (o)	ND	0.0204	mg/kg dry	20	P3H0305	08/03/23 09:45	08/04/23 09:42	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	*91.2 %*		*80-120*		*P3H0305*	*08/03/23 09:45*	*08/04/23 09:42*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene	*122 %*		*80-120*		*P3H0305*	*08/03/23 09:45*	*08/04/23 09:42*	*EPA 8021B*	*S-GC*
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 21:52	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 21:52	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 21:52	TPH 8015M	
Surrogate: 1-Chlorooctane	*78.2 %*		*70-130*		*P3H0306*	*08/03/23 15:09*	*08/03/23 21:52*	*TPH 8015M*	
Surrogate: o-Terphenyl	*70.4 %*		*70-130*		*P3H0306*	*08/03/23 15:09*	*08/03/23 21:52*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	08/03/23 15:09	08/03/23 21:52	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**95.3**	10.2	mg/kg dry	10	P3H0214	08/03/23 13:08	08/03/23 22:31	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P3H0216	08/02/23 12:25	08/02/23 12:29	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

West Wall- #2 @ 18''

3H01017-09 (Soil)

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/04/23 10:08	EPA 8021B	
Toluene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/04/23 10:08	EPA 8021B	
Ethylbenzene	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/04/23 10:08	EPA 8021B	
Xylene (p/m)	ND	0.0404	mg/kg dry	20	P3H0305	08/03/23 09:45	08/04/23 10:08	EPA 8021B	
Xylene (o)	ND	0.0202	mg/kg dry	20	P3H0305	08/03/23 09:45	08/04/23 10:08	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	*91.1 %*		*80-120*		*P3H0305*	*08/03/23 09:45*	*08/04/23 10:08*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene	*126 %*		*80-120*		*P3H0305*	*08/03/23 09:45*	*08/04/23 10:08*	*EPA 8021B*	*S-GC*
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 22:18	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 22:18	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P3H0306	08/03/23 15:09	08/03/23 22:18	TPH 8015M	
Surrogate: 1-Chlorooctane	*74.2 %*		*70-130*		*P3H0306*	*08/03/23 15:09*	*08/03/23 22:18*	*TPH 8015M*	
Surrogate: o-Terphenyl	*67.6 %*		*70-130*		*P3H0306*	*08/03/23 15:09*	*08/03/23 22:18*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	08/03/23 15:09	08/03/23 22:18	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**95.2**	10.1	mg/kg dry	10	P3H0214	08/03/23 13:08	08/03/23 22:45	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P3H0216	08/02/23 12:25	08/02/23 12:29	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3H0305 - * DEFAULT PREP *** **										
Blank (P3H0305-BLK1)				Prepared & Analyzed: 08/03/23						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.108*		"	*0.120*		*90.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.208*		"	*0.120*		*174*	*80-120*			*S-GC*
LCS (P3H0305-BS1)				Prepared & Analyzed: 08/03/23						
Benzene	0.0878	0.00100	mg/kg	0.100		87.8	80-120			
Toluene	0.0810	0.00100	"	0.100		81.0	80-120			
Ethylbenzene	0.0940	0.00100	"	0.100		94.0	80-120			
Xylene (p/m)	0.187	0.00200	"	0.200		93.3	80-120			
Xylene (o)	0.0870	0.00100	"	0.100		87.0	80-120			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.199*		"	*0.120*		*166*	*80-120*			*S-GC*
LCS Dup (P3H0305-BSD1)				Prepared & Analyzed: 08/03/23						
Benzene	0.0981	0.00100	mg/kg	0.100		98.1	80-120	11.0	20	
Toluene	0.0979	0.00100	"	0.100		97.9	80-120	18.8	20	
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120	15.0	20	
Xylene (p/m)	0.227	0.00200	"	0.200		113	80-120	19.4	20	
Xylene (o)	0.105	0.00100	"	0.100		105	80-120	18.6	20	
Surrogate: 1,4-Difluorobenzene	*0.110*		"	*0.120*		*91.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.217*		"	*0.120*		*181*	*80-120*			*S-GC*
Calibration Blank (P3H0305-CCB1)				Prepared & Analyzed: 08/03/23						
Benzene	0.190		ug/kg							
Toluene	0.410		"							
Ethylbenzene	0.440		"							
Xylene (p/m)	1.02		"							
Xylene (o)	0.560		"							
Surrogate: 1,4-Difluorobenzene	*0.107*		"	*0.120*		*89.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.190*		"	*0.120*		*158*	*80-120*			*S-GC*

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3H0305 - * DEFAULT PREP *** **										
Calibration Blank (P3H0305-CCB2)				Prepared: 08/03/23 Analyzed: 08/04/23						
Benzene	0.330		ug/kg							
Toluene	0.330		"							
Ethylbenzene	0.900		"							
Xylene (p/m)	1.85		"							
Xylene (o)	1.13		"							B-13
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.191*		*"*	*0.120*		*159*	*80-120*			*S-GC*
Calibration Check (P3H0305-CCV1)				Prepared & Analyzed: 08/03/23						
Benzene	0.105	0.00100	mg/kg	0.100		105	80-120			
Toluene	0.0979	0.00100	"	0.100		97.9	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.223	0.00200	"	0.200		112	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	*0.189*		*"*	*0.120*		*157*	*75-125*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.108*		*"*	*0.120*		*90.2*	*75-125*			
Calibration Check (P3H0305-CCV2)				Prepared: 08/03/23 Analyzed: 08/04/23						
Benzene	0.0978	0.00100	mg/kg	0.100		97.8	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.228	0.00200	"	0.200		114	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	*0.210*		*"*	*0.120*		*175*	*75-125*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.4*	*75-125*			
Calibration Check (P3H0305-CCV3)				Prepared: 08/03/23 Analyzed: 08/04/23						
Benzene	0.0958	0.00100	mg/kg	0.100		95.8	80-120			
Toluene	0.0873	0.00100	"	0.100		87.3	80-120			
Ethylbenzene	0.0974	0.00100	"	0.100		97.4	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		101	80-120			
Xylene (o)	0.0964	0.00100	"	0.100		96.4	80-120			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*90.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.195*		*"*	*0.120*		*162*	*75-125*			*S-GC*

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3H0305 - * DEFAULT PREP *** **										
Matrix Spike (P3H0305-MS1)	**Source: 3H01026-03**			Prepared: 08/03/23 Analyzed: 08/04/23						
Benzene	0.102	0.00100	mg/kg dry	0.100	0.00160	101	80-120			
Toluene	0.0847	0.00100	"	0.100	0.00460	80.1	80-120			
Ethylbenzene	0.0930	0.00100	"	0.100	ND	93.0	80-120			
Xylene (p/m)	0.180	0.00200	"	0.200	0.00180	89.3	80-120			
Xylene (o)	0.0870	0.00100	"	0.100	ND	87.0	80-120			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.168*		"	*0.120*		*140*	*80-120*			*S-GC*
Matrix Spike Dup (P3H0305-MSD1)	**Source: 3H01026-03**			Prepared: 08/03/23 Analyzed: 08/04/23						
Benzene	0.102	0.00100	mg/kg dry	0.100	0.00160	100	80-120	0.447	20	
Toluene	0.0856	0.00100	"	0.100	0.00460	81.0	80-120	1.17	20	
Ethylbenzene	0.0952	0.00100	"	0.100	ND	95.2	80-120	2.38	20	
Xylene (p/m)	0.186	0.00200	"	0.200	0.00180	91.9	80-120	2.81	20	
Xylene (o)	0.0893	0.00100	"	0.100	ND	89.3	80-120	2.61	20	
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.174*		"	*0.120*		*145*	*80-120*			*S-GC*

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3H0306 - TX 1005										
Blank (P3H0306-BLK1)				Prepared & Analyzed: 08/03/23						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*78.3*		*"*	*100*		*78.3*	*70-130*			
Surrogate: o-Terphenyl	*42.6*		*"*	*50.0*		*85.1*	*70-130*			
LCS (P3H0306-BS1)				Prepared & Analyzed: 08/03/23						
C6-C12	751	25.0	mg/kg	1000		75.1	75-125			
>C12-C28	790	25.0	"	1000		79.0	75-125			
Surrogate: 1-Chlorooctane	*99.2*		*"*	*100*		*99.2*	*70-130*			
Surrogate: o-Terphenyl	*43.1*		*"*	*50.0*		*86.3*	*70-130*			
LCS Dup (P3H0306-BSD1)				Prepared & Analyzed: 08/03/23						
C6-C12	776	25.0	mg/kg	1000		77.6	75-125	3.26	20	
>C12-C28	811	25.0	"	1000		81.1	75-125	2.65	20	
Surrogate: 1-Chlorooctane	*99.7*		*"*	*100*		*99.7*	*70-130*			
Surrogate: o-Terphenyl	*45.5*		*"*	*50.0*		*91.0*	*70-130*			
Calibration Check (P3H0306-CCV1)				Prepared & Analyzed: 08/03/23						
C6-C12	377	25.0	mg/kg	400		94.2	85-115			
>C12-C28	388	25.0	"	400		96.9	85-115			
Surrogate: 1-Chlorooctane	*88.5*		*"*	*100*		*88.5*	*70-130*			
Surrogate: o-Terphenyl	*43.0*		*"*	*50.0*		*85.9*	*70-130*			
Calibration Check (P3H0306-CCV2)				Prepared & Analyzed: 08/03/23						
C6-C12	382	25.0	mg/kg	400		95.5	85-115			
>C12-C28	406	25.0	"	400		102	85-115			
Surrogate: 1-Chlorooctane	*91.6*		*"*	*100*		*91.6*	*70-130*			
Surrogate: o-Terphenyl	*43.0*		*"*	*50.0*		*85.9*	*70-130*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3H0306 - TX 1005										
Duplicate (P3H0306-DUP1)	**Source: 3H01019-09**			Prepared: 08/03/23 Analyzed: 08/04/23						
C6-C12	ND	25.3	mg/kg dry		ND				20	
>C12-C28	915	25.3	"		871			4.94	20	
Surrogate: 1-Chlorooctane	*82.5*		*"*	*101*		*81.7*	*70-130*			
Surrogate: o-Terphenyl	*43.2*		*"*	*50.5*		*85.4*	*70-130*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3H0213 - * DEFAULT PREP *** **										
Blank (P3H0213-BLK1)				Prepared & Analyzed: 08/03/23						
Chloride	ND	1.00	mg/kg							
LCS (P3H0213-BS1)				Prepared & Analyzed: 08/03/23						
Chloride	19.4		mg/kg	20.0		96.8	90-110			
LCS Dup (P3H0213-BSD1)				Prepared & Analyzed: 08/03/23						
Chloride	18.8		mg/kg	20.0		94.2	90-110	2.69	10	
Calibration Check (P3H0213-CCV1)				Prepared & Analyzed: 08/03/23						
Chloride	18.6		mg/kg	20.0		93.2	90-110			
Calibration Check (P3H0213-CCV2)				Prepared & Analyzed: 08/03/23						
Chloride	19.3		mg/kg	20.0		96.4	90-110			
Matrix Spike (P3H0213-MS1)		**Source: 3G31010-07**		Prepared & Analyzed: 08/03/23						
Chloride	129		mg/kg	100	29.6	99.1	80-120			
Matrix Spike (P3H0213-MS2)		**Source: 3H01017-01**		Prepared & Analyzed: 08/03/23						
Chloride	94.9		mg/kg	100	1.74	93.1	80-120			
Matrix Spike Dup (P3H0213-MSD1)		**Source: 3G31010-07**		Prepared & Analyzed: 08/03/23						
Chloride	129		mg/kg	100	29.6	99.7	80-120	0.449	20	
Matrix Spike Dup (P3H0213-MSD2)		**Source: 3H01017-01**		Prepared & Analyzed: 08/03/23						
Chloride	94.7		mg/kg	100	1.74	92.9	80-120	0.205	20	
Batch P3H0214 - * DEFAULT PREP *** **										
Blank (P3H0214-BLK1)				Prepared & Analyzed: 08/03/23						
Chloride	ND	1.00	mg/kg							

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3H0214 - * DEFAULT PREP *** **										
LCS (P3H0214-BS1)				Prepared: 08/03/23 Analyzed: 08/04/23						
Chloride	19.0		mg/kg	20.0		95.1	90-110			
LCS Dup (P3H0214-BSD1)				Prepared & Analyzed: 08/03/23						
Chloride	19.2		mg/kg	20.0		96.2	90-110	1.17	10	
Calibration Check (P3H0214-CCV1)				Prepared & Analyzed: 08/03/23						
Chloride	19.0		mg/kg	20.0		95.2	90-110			
Calibration Check (P3H0214-CCV2)				Prepared: 08/03/23 Analyzed: 08/04/23						
Chloride	18.5		mg/kg	20.0		92.4	90-110			
Calibration Check (P3H0214-CCV3)				Prepared: 08/03/23 Analyzed: 08/04/23						
Chloride	18.8		mg/kg	20.0		93.8	90-110			
Matrix Spike (P3H0214-MS1)		**Source: 3H01017-06**		Prepared & Analyzed: 08/03/23						
Chloride	88.4		mg/kg	100	1.20	87.2	80-120			
Matrix Spike (P3H0214-MS2)		**Source: 3H01025-01**		Prepared: 08/03/23 Analyzed: 08/04/23						
Chloride	110		mg/kg	100	14.1	95.6	80-120			
Matrix Spike Dup (P3H0214-MSD1)		**Source: 3H01017-06**		Prepared & Analyzed: 08/03/23						
Chloride	88.8		mg/kg	100	1.20	87.6	80-120	0.376	20	
Matrix Spike Dup (P3H0214-MSD2)		**Source: 3H01025-01**		Prepared: 08/03/23 Analyzed: 08/04/23						
Chloride	109		mg/kg	100	14.1	94.7	80-120	0.870	20	
Batch P3H0216 - * DEFAULT PREP *** **										
Blank (P3H0216-BLK1)				Prepared & Analyzed: 08/02/23						
% Moisture	ND	0.1	%							

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3H0216 - * DEFAULT PREP *** **										
Blank (P3H0216-BLK2)				Prepared & Analyzed: 08/02/23						
% Moisture	ND	0.1	%							
Blank (P3H0216-BLK3)				Prepared & Analyzed: 08/02/23						
% Moisture	ND	0.1	%							
Duplicate (P3H0216-DUP1)		**Source: 3H01017-07**		Prepared & Analyzed: 08/02/23						
% Moisture	1.0	0.1	%		2.0			66.7	20	R3
Duplicate (P3H0216-DUP2)		**Source: 3H01019-07**		Prepared & Analyzed: 08/02/23						
% Moisture	ND	0.1	%		ND				20	
Duplicate (P3H0216-DUP3)		**Source: 3H01024-01**		Prepared & Analyzed: 08/02/23						
% Moisture	17.0	0.1	%		17.0			0.00	20	
Duplicate (P3H0216-DUP4)		**Source: 3H01026-04**		Prepared & Analyzed: 08/02/23						
% Moisture	ND	0.1	%		ND				20	
Duplicate (P3H0216-DUP5)		**Source: 3H01027-09**		Prepared & Analyzed: 08/02/23						
% Moisture	12.0	0.1	%		11.0			8.70	20	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

Notes and Definitions

S-GC1	Surrogate recovery outside of control limits. A second analysis confirmed the original results..
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
NPBEL C(	Chain of Custody was not generated at PBELAB
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
B-13	A common laboratory contaminant was above the RL in the blank
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 2/23/2024

Brent Barron, Laboratory Director/Technical Director

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hayhurst 17 Fed IH
13000 West County Road 100	Project Number: 17257
Odessa TX, 79765	Project Manager: Blake Estep

PBELAB Permian Basin Environmental Lab, LP

1400 Rankin Hwy Midland Texas 79701 Phone: 432-686-7235

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: BLAKE ESTEP
Company Name: Etech Environmental & Safety Solutions, Inc.
Company Address: P.O. Box 62228
City/State/Zip: Midland, Texas 79711
Sampler Signature: [signature] email: blake@etechenv.com

Project Name: Hayhurst 17 Fed 1H
Project #: 17257 Project Loc:
Area: PO#: 17257
☑ Bill Etech

Report Format: STANDARD: ☐ TRRP: ☐ NPDES: ☐

(lab use only)
ORDER #: 3H01017

Analyze For: TCLP: ☐ ☐ ☐ ☐ TOTAL: ☐ ☐ ☐ ☐

LAB # (lab use only)	FIELD CODE	Start Depth	End Depth	Date Sampled	Time Sampled	No. of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix (DW=Drinking Water SL=Sludge, GW = Groundwater S=Soil/Solid, NP=Non-Potable Specify Other)	TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semi volatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	STANDARD TAT
1	Bottom Hole-1	—	2'	7-28-23	930	1	☑	☐	☐	☐	☐	☐	☐	☐	S	☑	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☑
2	Bottom Hole-2	—	2'	|	935	1	|	☐	☐	☐	☐	☐	☐	☐	S	|	☐	☐	☐	☐	☐	☐	|	☐	☐	|	☐	☐	☐	|
3	Bottom Hole-3	—	3'	|	940	1	|	☐	☐	☐	☐	☐	☐	☐	S	|	☐	☐	☐	☐	☐	☐	|	☐	☐	|	☐	☐	☐	|
4	North wall	—	1'	|	945	1	|	☐	☐	☐	☐	☐	☐	☐	S	|	☐	☐	☐	☐	☐	☐	|	☐	☐	|	☐	☐	☐	|
5	South wall	—	18"	|	950	1	|	☐	☐	☐	☐	☐	☐	☐	S	|	☐	☐	☐	☐	☐	☐	|	☐	☐	|	☐	☐	☐	|
6	East wall-#1	—	12"	|	955	1	|	☐	☐	☐	☐	☐	☐	☐	S	|	☐	☐	☐	☐	☐	☐	|	☐	☐	|	☐	☐	☐	|
7	East wall-#2	—	18"	|	1000	1	|	☐	☐	☐	☐	☐	☐	☐	S	|	☐	☐	☐	☐	☐	☐	|	☐	☐	|	☐	☐	☐	|
8	South wall-#1	—	12"	|	1005	1	|	☐	☐	☐	☐	☐	☐	☐	S	|	☐	☐	☐	☐	☐	☐	|	☐	☐	|	☐	☐	☐	|
9	South wall-#2	—	18"	|	1010	1	|	☐	☐	☐	☐	☐	☐	☐	S	|	☐	☐	☐	☐	☐	☐	|	☐	☐	|	☐	☐	☐	|
							☐	☐	☐	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐	☐	☐		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	7/3/23	16:23			
			[signature]	7/31/23	16:22

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
Sar by Sampler/Client Rep. ?	Y	N
Sar by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt: 23.2 °C
CFO

PBELAB

DOC #: PBEL_REV_SUBMISSION
REVISION #: PBEL_2021_1
REVISION Date: 10/29/2021
EFFECTIVE DATE: 10/29/2021

REVISION/SUBMISSION FORM

Please fill in the required fields below with any requested revisions. In the event that there are multiple workorders or projects to be amended each workorder or project MUST have a separate form filled out entirely. An amended COC must be submitted in addition to the Revision/Submission Form in order for the amendments to be processed. Amended COC's do not replace the requirement of this form. If a revision is required due to errors or omissions on our part this form is still required for the necessary Non-Conformance documentation. Rerun requests will incur additional charges.

Client: Etech Environmental

Project: 3H01017

Revision Request:

We need to rename samples 8 & 9 to "West Wall #1" & "West Wall #2"

Submitted by (Name and Date): Blake Estep 1/25/2024

APPENDIX F

Email Notifications

From: Blake Estep
To: Enviro, OCD, EMNRD
Cc: blm_nm_cfo_spill@blm.gov
Subject: Confirmation Sampling
Date: Tuesday, July 25, 2023 2:26:00 PM

Good afternoon,

Chevron anticipates conducting confirmation soil sampling activities at the following site between July 28-29, 2023:

Site Name: Hayhurst 17 Federal #001H
Incident Number: nRM2017141758
API: 30-041-81545

Thank you,

Blake Estep
Etech Environmental & Safety Solutions, Inc.
P.O. Box 62228
Midland, Texas 79711
Phone: 432-563-2200
Mobile: 432-894-6038
Fax: 432-563-2213

APPENDIX G

Approved Remediation Work Plan

BBC INTERNATIONAL INCORPORATED

PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

DELINEATION WORKPLAN

CHEVRON – HAYHURST 17 FED 1H

(Leak Date: 05/30/20)

Incident # nRM2017141758

This delineation workplan and remediation proposal addresses the releases associated with Incident # nRM2017141758.

The following information includes:

1. Appropriate completed and signed C-141 pages.
2. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
3. GPS information for sample points and sample methodology.
4. Depth to groundwater information (i.e., pdf of OSE search results, USGS search results, and/or copy of Chevron groundwater trend map).
5. Watercourse/features map within 1000 feet.
6. BLM Cave Karst map.
7. FEMA National Flood map.
8. Laboratory analysis results summary table and original laboratory analysis reports.
9. Potentially other pertinent information as necessary for site specific purposes.

Based on the information included in this package and the NMOCD rule 19.15.29 NMAC, the following remediation is proposed:

Chevron will remediate the spill area as depicted on the following site diagram. The leak area near SP1 (BLUE shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP2 and SP4 (WHITE shade on diagram) will require zero remediation. The leak area near SP3 (GREEN shade on diagram) will be excavated to a depth of 3 feet.

Bottom and sidewall confirmation samples will be collected at no greater than 200 square ft. intervals. Estimated volume of material to be removed is 12 cubic yards. The remediation will be completed within 90 days of plan approval.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NRM2017141758
District RP	
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?	22 (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	NRM2017141758
District RP	
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: AMY BARNHILL Title: Lead Environmental Specialist

Signature: Amy Barnhill Date: 3-8-22

email: abarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: _____ Date: _____

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	NRM2017141758
District RP	
Facility ID	
Application ID	

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: Amy Barnhill Title: Lead Environmental Specialist

Signature: Amy Barnhill Date: 3-8-22

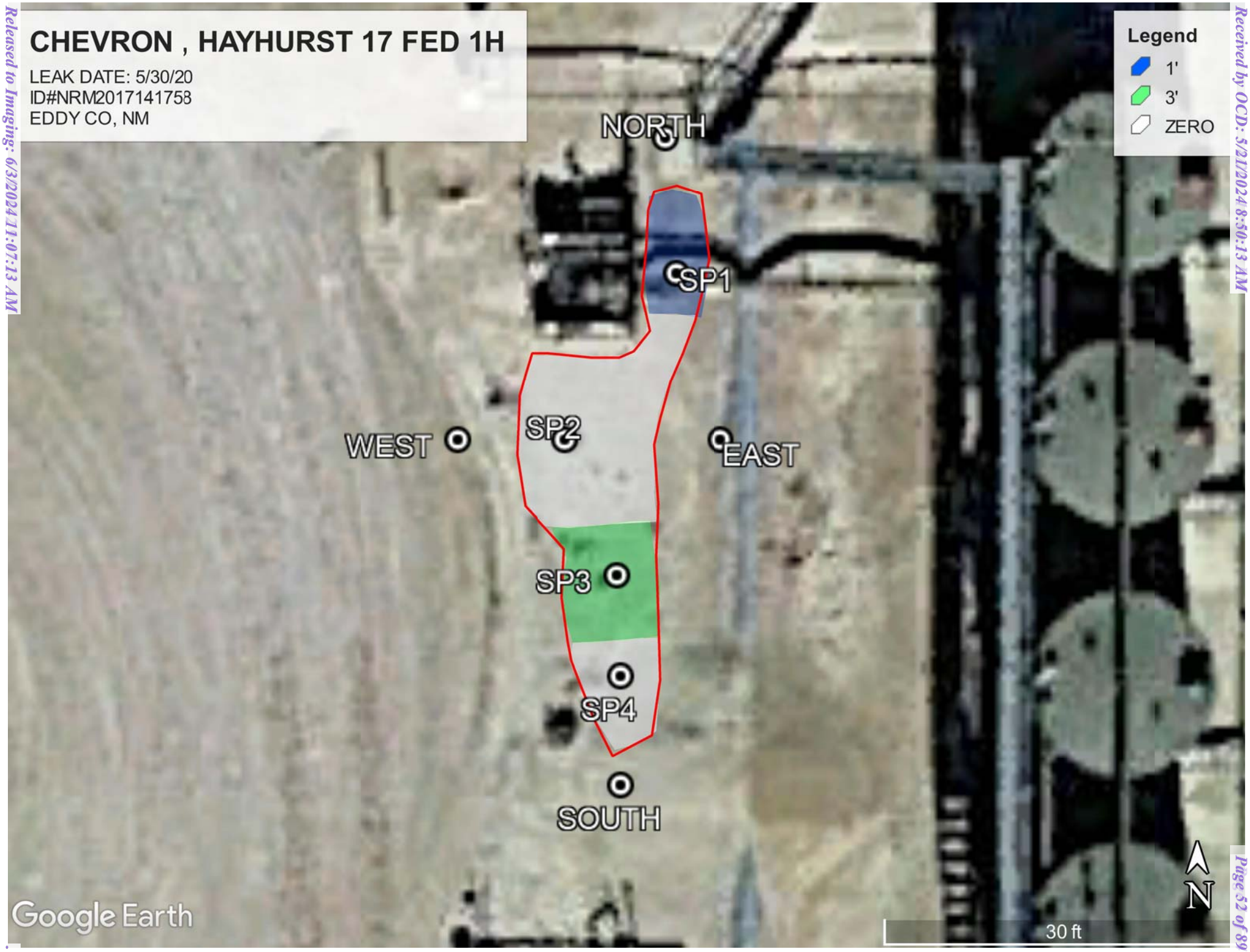
email: abarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____



CHERVON, HAYHURST 17 BATT

LEAK DATE : 5/30/20

SAMPLE DATE : 12/10/21

NORTH	32.137371°	-104.219187°
EAST	32.137302°	-104.219172°
WEST	32.137302°	-104.219243°
SOUTH	32.137223°	-104.219199°
SP1	32.137340°	-104.219184°
SP2	32.137302°	-104.219214°
SP3	32.137271°	-104.219200°
SP4	32.137248°	-104.219199°

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320447104114201

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320447104114201 25S.27E.33.34344

Eddy County, New Mexico
Latitude 32°04'47", Longitude 104°11'42" NAD27
Land-surface elevation 3,144 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source o measure
1983-02-15		D	62610		3124.21	NGVD29	1	Z		
1983-02-15		D	62611		3125.84	NAVD88	1	Z		
1983-02-15		D	72019	18.16			1	Z		
1987-10-09		D	62610		3128.33	NGVD29	1	Z		
1987-10-09		D	62611		3129.96	NAVD88	1	Z		
1987-10-09		D	72019	14.04			1	Z		
1992-11-20		D	62610		3127.94	NGVD29	3	S		
1992-11-20		D	62611		3129.57	NAVD88	3	S		
1992-11-20		D	72019	14.43			3	S		
1998-01-07		D	62610		3122.07	NGVD29	1	S		
1998-01-07		D	62611		3123.70	NAVD88	1	S		
1998-01-07		D	72019	20.30			1	S		
2003-01-28		D	62610		3120.56	NGVD29	1	S	USGS	
2003-01-28		D	62611		3122.19	NAVD88	1	S	USGS	
2003-01-28		D	72019	21.81			1	S	USGS	
2018-01-09	22:08 UTC	m	62610		3124.49	NGVD29	3	V	USGS	
2018-01-09	22:08 UTC	m	62611		3126.12	NAVD88	3	V	USGS	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source o measure
2018-01-09	22:08 UTC	m	72019	17.88			3	V	USGS	

Explanation

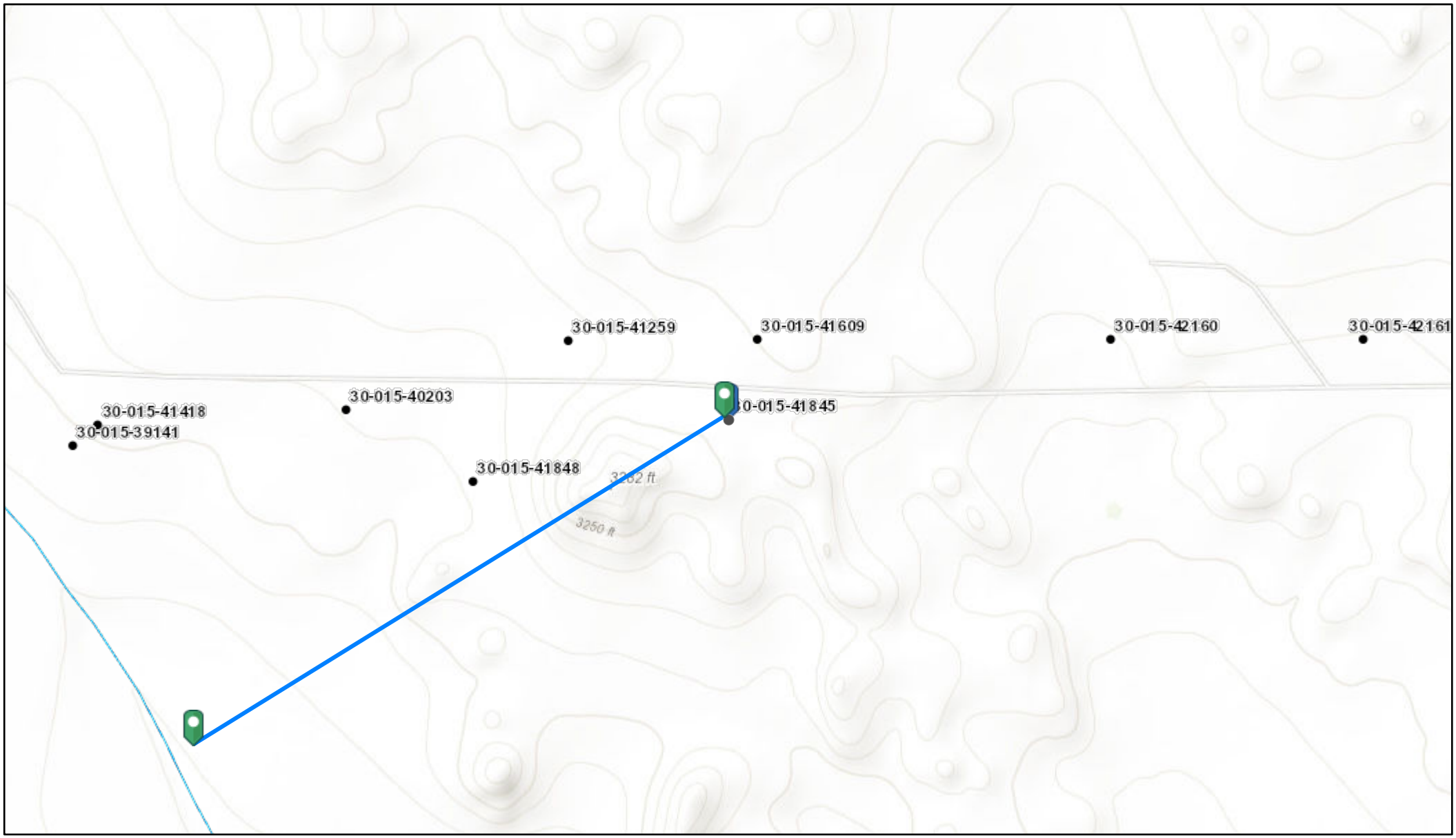
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	3	True value is above reported value due to local conditions
Method of measurement	S	Steel-tape measurement.
Method of measurement	V	Calibrated electric-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices
U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-02-04 11:05:00 EST
0.29 0.25 nadww01

CHEVRON, HAYHURST 17 FED 1H (5/30/20)



2/25/2022 10:07:36 AM

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, GeoTechnologies, Inc., Intermap, USGS, METI/NASA, EPA, USDA, OCD

Wells - Large Scale
undefined
Miscellaneous
CO2, Active
CO2, Cancelled
CO2, New
CO2, Plugged
CO2, Temporarily Abandoned
Gas, Active
Gas, Cancelled
Gas, New
Gas, Plugged
Gas, Temporarily Abandoned
Injection, Active
Injection, Cancelled
Injection, New
Injection, Plugged

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

CHEVRON, HAYHURST 17 FED 1H

LEAK DATE: 5/30/20
ID#NRM2017141758
EDDY CO, NM

Google Earth

1000 ft

National Flood Hazard Layer FIRMette

FEMA

104°13'41"W 32°8'29"N

104°13'3"W 32°7'59"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/25/2022 at 12:15 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Laboratory Analytical Results Summary
Hayhurst 17 Fed 1H (5/30/20)
Sample Date 12/10/21

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	12/10/21	12/10/21	12/10/21	12/10/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		**112**	**112**	**96.0**	**144**
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	**10.6**
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	12/10/21	12/10/21	12/10/21
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A
Toluene	BTEX 8021B		<0.050	<0.050	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	N/A
Chloride	SM4500Cl-B		**192**	**352**	**96.0**
GRO	TPH 8015M		<10.0	<10.0	N/A
DRO	TPH 8015M		<10.0	<10.0	N/A
EXT DRO	TPH 8015M		<10.0	<10.0	N/A

		Sample ID	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	12/10/21	12/10/21	12/10/21
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A
Toluene	BTEX 8021B		<0.050	<0.050	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	N/A
Chloride	SM4500Cl-B		**1120**	**96.0**	**144**
GRO	TPH 8015M		<10.0	<10.0	N/A
DRO	TPH 8015M		**44.5**	<10.0	N/A
EXT DRO	TPH 8015M		<10.0	<10.0	N/A

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	12/10/21	12/10/21	12/10/21
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A
Toluene	BTEX 8021B		<0.050	<0.050	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	N/A
Chloride	SM4500Cl-B		**304**	**160**	**96.0**
GRO	TPH 8015M		<10.0	<10.0	N/A
DRO	TPH 8015M		<10.0	<10.0	N/A
EXT DRO	TPH 8015M		<10.0	<10.0	N/A

		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	12/10/21	12/10/21	12/10/21	12/10/21	12/10/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A	N/A	N/A
Toluene	BTEX 8021B		<0.050	<0.050	N/A	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A	N/A	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	N/A	N/A	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	N/A	N/A	N/A
Chloride	SM4500Cl-B		**80.0**	**3080**	**1060**	**272**	**144**
GRO	TPH 8015M		<10.0	<10.0	N/A	N/A	N/A
DRO	TPH 8015M		<10.0	<10.0	N/A	N/A	N/A
EXT DRO	TPH 8015M		<10.0	<10.0	N/A	N/A	N/A

CARDINAL Laboratories

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

December 16, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HAYHURST 17 FED 1H

Enclosed are the results of analyses for samples received by the laboratory on 12/13/21 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/10/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	HAYHURST 17 FED 1H	Sampling Condition:	Cool & Intact
Project Number:	(5/30/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -LEA COUNTY, NM		

Sample ID: NORTH (H213591-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2021	ND	1.81	90.5	2.00	9.39	
Toluene*	<0.050	0.050	12/15/2021	ND	1.95	97.4	2.00	10.8	
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	2.00	99.9	2.00	7.40	
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.77	113	6.00	6.81	
Total BTEX	<0.300	0.300	12/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	12/15/2021	ND	400	100	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	12/14/2021	ND	202	101	200	9.49	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane *82.8 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *82.9 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/10/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	HAYHURST 17 FED 1H	Sampling Condition:	Cool & Intact
Project Number:	(5/30/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -LEA COUNTY, NM		

Sample ID: EAST (H213591-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2021	ND	1.81	90.5	2.00	9.39	
Toluene*	<0.050	0.050	12/15/2021	ND	1.95	97.4	2.00	10.8	
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	2.00	99.9	2.00	7.40	
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.77	113	6.00	6.81	
Total BTEX	<0.300	0.300	12/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	12/15/2021	ND	432	108	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	12/14/2021	ND	202	101	200	9.49	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane *74.9 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *74.6 %* *38.9-142*

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Analytical Results For:

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Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/10/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	HAYHURST 17 FED 1H	Sampling Condition:	Cool & Intact
Project Number:	(5/30/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -LEA COUNTY, NM		

Sample ID: WEST (H213591-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2021	ND	1.81	90.5	2.00	9.39	
Toluene*	<0.050	0.050	12/15/2021	ND	1.95	97.4	2.00	10.8	
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	2.00	99.9	2.00	7.40	
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.77	113	6.00	6.81	
Total BTEX	<0.300	0.300	12/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	12/15/2021	ND	432	108	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	12/14/2021	ND	202	101	200	9.49	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane *86.8 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *87.4 %* *38.9-142*

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Analytical Results For:

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Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/10/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	HAYHURST 17 FED 1H	Sampling Condition:	Cool & Intact
Project Number:	(5/30/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -LEA COUNTY, NM		

Sample ID: SOUTH (H213591-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2021	ND	1.81	90.5	2.00	9.39	
Toluene*	<0.050	0.050	12/15/2021	ND	1.95	97.4	2.00	10.8	
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	2.00	99.9	2.00	7.40	
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.77	113	6.00	6.81	
Total BTEX	<0.300	0.300	12/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *69.9-140*

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	12/15/2021	ND	432	108	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	12/14/2021	ND	202	101	200	9.49	
DRO >C10-C28*	**10.6**	10.0	12/14/2021	ND	203	102	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane *63.1 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *64.0 %* *38.9-142*

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Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/10/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	HAYHURST 17 FED 1H	Sampling Condition:	Cool & Intact
Project Number:	(5/30/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -LEA COUNTY, NM		

Sample ID: SP 1 @ SURFACE (H213591-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2021	ND	1.81	90.5	2.00	9.39	
Toluene*	<0.050	0.050	12/15/2021	ND	1.95	97.4	2.00	10.8	
Ethylbenzene*	<0.050	0.050	12/15/2021	ND	2.00	99.9	2.00	7.40	
Total Xylenes*	<0.150	0.150	12/15/2021	ND	6.77	113	6.00	6.81	
Total BTEX	<0.300	0.300	12/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1120**	16.0	12/15/2021	ND	432	108	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	12/14/2021	ND	202	101	200	9.49	
DRO >C10-C28*	**44.5**	10.0	12/14/2021	ND	203	102	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane *92.7 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *95.8 %* *38.9-142*

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CARDINAL Laboratories

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Analytical Results For:

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Cliff Brunson
P.O. Box 805
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Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/10/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	HAYHURST 17 FED 1H	Sampling Condition:	Cool & Intact
Project Number:	(5/30/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -LEA COUNTY, NM		

Sample ID: SP 1 @ 1' (H213591-06)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	2.00	100	2.00	6.78	
Toluene*	<0.050	0.050	12/14/2021	ND	2.01	100	2.00	4.10	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	2.02	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	6.13	102	6.00	3.71	
Total BTEX	<0.300	0.300	12/14/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.8 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	12/15/2021	ND	432	108	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	12/14/2021	ND	202	101	200	9.49	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane *85.2 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *86.8 %* *38.9-142*

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Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/10/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	HAYHURST 17 FED 1H	Sampling Condition:	Cool & Intact
Project Number:	(5/30/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -LEA COUNTY, NM		

Sample ID: SP 1 @ 2' (H213591-07)

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	12/15/2021	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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Cliff Brunson
P.O. Box 805
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Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/10/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	HAYHURST 17 FED 1H	Sampling Condition:	Cool & Intact
Project Number:	(5/30/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -LEA COUNTY, NM		

Sample ID: SP 2 @ SURFACE (H213591-08)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	2.00	100	2.00	6.78	
Toluene*	<0.050	0.050	12/14/2021	ND	2.01	100	2.00	4.10	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	2.02	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	6.13	102	6.00	3.71	
Total BTEX	<0.300	0.300	12/14/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.2 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	12/15/2021	ND	432	108	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	12/14/2021	ND	202	101	200	9.49	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane *74.7 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *75.8 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/10/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	HAYHURST 17 FED 1H	Sampling Condition:	Cool & Intact
Project Number:	(5/30/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -LEA COUNTY, NM		

Sample ID: SP 2 @ 1' (H213591-09)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	2.00	100	2.00	6.78	
Toluene*	<0.050	0.050	12/14/2021	ND	2.01	100	2.00	4.10	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	2.02	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	6.13	102	6.00	3.71	
Total BTEX	<0.300	0.300	12/14/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.7 %* *69.9-140*

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	12/15/2021	ND	432	108	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	12/14/2021	ND	202	101	200	9.49	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	203	102	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane *87.4 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *89.0 %* *38.9-142*

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Analytical Results For:

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Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/10/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	HAYHURST 17 FED 1H	Sampling Condition:	Cool & Intact
Project Number:	(5/30/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -LEA COUNTY, NM		

Sample ID: SP 2 @ 2' (H213591-10)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	12/15/2021	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

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Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/10/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	HAYHURST 17 FED 1H	Sampling Condition:	Cool & Intact
Project Number:	(5/30/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -LEA COUNTY, NM		

Sample ID: SP 3 @ SURFACE (H213591-11)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	2.00	100	2.00	6.78	
Toluene*	<0.050	0.050	12/14/2021	ND	2.01	100	2.00	4.10	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	2.02	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	6.13	102	6.00	3.71	
Total BTEX	<0.300	0.300	12/14/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.0 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	12/15/2021	ND	432	108	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	12/14/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane *77.4 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *74.4 %* *38.9-142*

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:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/10/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	HAYHURST 17 FED 1H	Sampling Condition:	Cool & Intact
Project Number:	(5/30/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -LEA COUNTY, NM		

Sample ID: SP 3 @ 1' (H213591-12)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	2.00	100	2.00	6.78	
Toluene*	<0.050	0.050	12/14/2021	ND	2.01	100	2.00	4.10	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	2.02	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	6.13	102	6.00	3.71	
Total BTEX	<0.300	0.300	12/14/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.7 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3080**	16.0	12/15/2021	ND	432	108	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	12/14/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane *98.4 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *97.0 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

BBC International, Inc.
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P.O. Box 805
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Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/10/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	HAYHURST 17 FED 1H	Sampling Condition:	Cool & Intact
Project Number:	(5/30/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -LEA COUNTY, NM		

Sample ID: SP 3 @ 2' (H213591-13)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1060**	16.0	12/15/2021	ND	432	108	400	0.00	

Sample ID: SP 3 @ 3' (H213591-14)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	12/15/2021	ND	432	108	400	0.00	

Sample ID: SP 3 @ 4' (H213591-15)

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	12/15/2021	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/10/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	HAYHURST 17 FED 1H	Sampling Condition:	Cool & Intact
Project Number:	(5/30/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -LEA COUNTY, NM		

Sample ID: SP 4 @ SURFACE (H213591-16)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	2.00	100	2.00	6.78	
Toluene*	<0.050	0.050	12/14/2021	ND	2.01	100	2.00	4.10	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	2.02	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	6.13	102	6.00	3.71	
Total BTEX	<0.300	0.300	12/14/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.7 %* *69.9-140*

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	12/15/2021	ND	432	108	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	12/14/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane *92.3 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *90.8 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/10/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	HAYHURST 17 FED 1H	Sampling Condition:	Cool & Intact
Project Number:	(5/30/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -LEA COUNTY, NM		

Sample ID: SP 4 @ 1' (H213591-17)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2021	ND	2.00	100	2.00	6.78	
Toluene*	<0.050	0.050	12/14/2021	ND	2.01	100	2.00	4.10	
Ethylbenzene*	<0.050	0.050	12/14/2021	ND	2.02	101	2.00	2.64	
Total Xylenes*	<0.150	0.150	12/14/2021	ND	6.13	102	6.00	3.71	
Total BTEX	<0.300	0.300	12/14/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.9 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	12/15/2021	ND	432	108	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	12/14/2021	ND	219	110	200	2.95	
DRO >C10-C28*	<10.0	10.0	12/14/2021	ND	206	103	200	0.801	
EXT DRO >C28-C36	<10.0	10.0	12/14/2021	ND					

Surrogate: 1-Chlorooctane *103 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *102 %* *38.9-142*

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Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	12/13/2021	Sampling Date:	12/10/2021
Reported:	12/16/2021	Sampling Type:	Soil
Project Name:	HAYHURST 17 FED 1H	Sampling Condition:	Cool & Intact
Project Number:	(5/30/20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY -LEA COUNTY, NM		

Sample ID: SP 4 @ 2' (H213591-18)

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	12/15/2021	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		BILL TO	
Company Name:	BBC International, Inc.	P.O. #:	
Project Manager:	Cliff Brunson	Company:	Chevron
Address:	P.O. Box 805	Attn:	
City:	Hobbs State: NM Zip: 88241	Address:	
Phone #:	575-397-6388 Fax #: 575-397-0397	City:	
Project #:	Project Owner: Oxy	State: Zip:	
Project Name:	HAYHURST 17 FED 1H (5/30/20)	Phone #:	
Project Location:	NEW MEXICO	Fax #:	
Sampler Name:	SIMON		

Lab I.D. (FOR LAB USE ONLY) H213591	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	Cl	TPH EXT	BTE
1	NORTH	G	1			✓					✓		12/10/21	9:28AM	✓	✓	✓
2	EAST												12/10/21	9:40AM	✓	✓	✓
3	WEST												12/10/21	9:52AM	✓	✓	✓
4	SOUTH												12/10/21	10:04AM	✓	✓	✓
5	SP1 @ SURFACE												12/10/21	10:15AM	✓	✓	✓
6	SP1 @ 1'												12/10/21	10:22AM	✓	✓	✓
7	SP1 @ 2'												12/10/21	10:35AM	✓		
8	SP 2 @ SURFACE												12/10/21	10:47AM	✓	✓	✓
9	SP 2 @1'												12/10/21	10:59AM	✓	✓	✓
10	SP 2 @ 2'												12/10/21	11:12AM	✓		

Relinquished By: Simon Reyes	Date: 12-13-21 Time: 8:00am	Received By: Israel Pena	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By: Israel Pena	Date: 12-13-21 Time: 1625	Received By: Tamara Oldaker	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	0.3°c → c-0.5°c -0.2°c #113	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No; CHECKED BY: (Initials) TO.	REMARKS:

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

CARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	BBC International, Inc.	**BILL TO** P.O. #:	
Project Manager:	Cliff Brunson	Company:	CHEVRON
Address:	P.O. Box 805	Attn:	
City:	Hobbs	State: NM Zip: 88241	Address:
Phone #:	575-397-6388	Fax #: 575-397-0397	City:
Project #:		Project Owner: Oxy	State: Zip:
Project Name:	HAYHURST 17 FED 1H (5/30/20)		Phone #:
Project Location:	NEW MEXICO		Fax #:
Sampler Name:	SIMON		

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	CL	BTEX	TPH EXT
H213591 11	SP3 @ SURFACE	G	1			X					X		12/10/21	11:20AM	✓	✓	✓
12	SP 3 @ 1'												12/10/21	11:31AM	✓	✓	✓
13	SP 3 @ 2'												12/10/21	11:43AM	✓		
14	SP 3 @ 3'												12/10/21	11:58AM	✓		
15	SP 3 @ 4'												12/10/21	12:10AM	✓		
16	SP 4 @ SURFACE												12/10/21	12:21PM	✓	✓	✓
17	SP 4 @ 1'												12/10/21	12:34PM	✓	✓	✓
18	SP4 @ 2'												12/10/21	12:46PM	✓		

Relinquished By: Simon Rankin	Date: 12-13-21 Time: 8:00 AM	Received By: Israel Rena	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By: Israel Rena	Date: 12-13-21 Time: 1625	Received By: Tamara Oldaker	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	0.3° C-0.5° -0.2° #113	Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials): TO

REMARKS:

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

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	NRM2017141758
District RP	
Facility ID	
Application ID	

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: Amy Barnhill Title: Lead Environmental Specialist

Signature: Amy Barnhill Date: 3-8-22

email: abarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: Robert Hamlet Date: 4/18/2022

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Robert Hamlet Date: 4/18/2022

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 88163

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 88163
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. Samples must be analyzed for the constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Sidewall/Floor samples should represent no more than 200 ft2. The work will need to occur in 90 days after the work plan has been approved.	4/19/2022

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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 346111

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 346111
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nRM2017141758**
Incident Name	**NRM2017141758 HAYHURST 17 FEDERAL #001H @ 30-015-41845**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-015-41845] HAYHURST 17 FEDERAL #001H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	HAYHURST 17 FEDERAL #001H
Date Release Discovered	05/30/2020
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Human Error | Valve | Produced Water | Released: 23 BBL | Recovered: 0 BBL | Lost: 23 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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State of New Mexico
Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 346111
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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.

I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 05/21/2024

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 346111
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	1120
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	352
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	07/27/2023
On what date will (or did) the final sampling or liner inspection occur	07/28/2023
On what date will (or was) the remediation complete(d)	07/28/2023
What is the estimated surface area (in square feet) that will be reclaimed	378
What is the estimated volume (in cubic yards) that will be reclaimed	32
What is the estimated surface area (in square feet) that will be remediated	378
What is the estimated volume (in cubic yards) that will be remediated	32
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 346111
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	DNCS Landfill [fJEG1510735623]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
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.	
I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 05/21/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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	Action Number: 346111
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QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 346111
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**346146**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**07/28/2023**
What was the (estimated) number of samples that were to be gathered	**5**
What was the sampling surface area in square feet	**378**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	378
What was the total volume (cubic yards) remediated	32
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	378
What was the total volume (in cubic yards) reclaimed	32
Summarize any additional remediation activities not included by answers (above)	Remediation activities were completed to meet Site Closure Criteria and/or reclamation standard.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 05/21/2024

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QUESTIONS (continued)

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QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 346111

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
scwells	None	6/3/2024