Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2212329098
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?	12 (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	nAPP2212329098
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: Water Advisor

Signature: Amy Barnhill Date: 11-7-22

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

OCD Only

Received by: Jocelyn Harimon Date: 11/07/2022

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2212329098
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: Water Advisor

Signature: Amy Barnhill Date: 11-7-22

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

OCD Only

Received by: Jocelyn Harimon Date: 11/07/2022

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

Signature: _____ Date: _____

November 3, 2022

Type text here

Robert Hamlet
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
PH #: 575-748-1283
Robert.Hamlet@state.nm.us

Re: Soil Delineation and Remediation Workplan
Chevron USA
South Culebra Bluff 5 Battery Release (nAPP2212329098)
GPS: N 32.30350584° W 104.04623106°
Unit Letter "L", Section 13, Township 23 South, Range 28 East
Eddy County, New Mexico

Dear Mr. Hamlet,

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Chevron USA (Chevron), has prepared this Soil Delineation and Remediation Workplan for the South Culebra Bluff 5 Battery Release Site (Release Site). The legal description of the Release Site is Unit Letter "L", Section 13, Township 23 South, Range 28 East, in Eddy County, New Mexico. The GPS coordinates for the site are N 32.30350584° W 104.04623106°. A Site Location Map and Aerial Proximity Map are provided as Figure 1 and Figure 2, respectively.

INTRODUCTION

On May 1, 2022, a reportable release occurred at the South Culebra Bluff 5 Battery. The release was the result of a flow line pin hole leak due to corrosion and was contained on the pad. Approximately 9.064 barrels (bbls) of crude and 1.006 bbls of produced water was released with no barrels recovered, for a net loss of 9.064 bbls oil and 1.006 bbls produced water. On May 3, 2022, Chevron filed a *Release Notification and Corrective Action Form* (Form C-141) with the New Mexico Oil Conservation Division (NMOCD) documenting the release. The Form C-141 is provided in Appendix A.

NMOCD SITE CLASSIFICATION

NMOCD assessment and cleanup levels for hydrocarbon and produced water releases are based on depth to groundwater and karst status and follow the criteria in the revised August 2018 Title 19 Chapter 15 part 29 New Mexico Administrative Code (19.15.29 NMAC) regulations. Groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE), New Mexico Bureau of Geology & Mineral Resources (NMBGMR), and United States Geological Survey (USGS) were accessed to determine if any registered water wells were located within a half-mile of the site. The databases identified twelve (12) registered water wells within a ½-mile radius. Four (4) were located within one thousand (1,000) ft of the release. The four wells located within 1,000 feet of the site were C-012017, C-04490-POD2, C-01214, and USGS 321818104025001with depths ranging from twelve (12) ft bgs to fifty (50) ft bgs for an average depth of twenty-five and a quarter (25.25) ft bgs. One of the water wells (C-01217) is located within five hundred (500) ft of the site with a depth to groundwater at fifty (50) ft bgs. In addition, the site is listed as being in a medium Karst Topography region. See Appendix B for maps, along with water well data, detailing the site relative to groundwater locations. Based on the NMOCD site classification system, the following soil remediation levels were assigned to the South Culebra Bluff 5 Battery Release Site:

- Benzene – 10 mg/Kg (ppm)
- Total BTEX – 50 mg/Kg (ppm)
- Total TPH – 100 mg/Kg (ppm)
- Chloride – 600 mg/Kg (ppm)

INITIAL ASSESSMENT ACTIVITIES

On May 26, 2022, Etech was onsite to perform the initial assessment of the release. The release, located on Bureau of Land Management (BLM) property, measured approximately six (6) to fifteen (15) feet (ft) in length and twenty-five (25) ft wide and was contained on the Chevron pad. The surface dimensions covered an area of approximately 206 square feet. See Appendix C for attached photos detailing release and impact to pad. See Figure 3 for Site Details Location Map.

SOIL DELINEATION AND REMEDIATION WORKPLAN

Etech proposes to complete delineation and remediation at the site concurrently, in accordance with NMOCD rules and regulations which will entail the following:

- Impacted soils will be excavated to appropriate depths and stockpiled on plastic awaiting disposal
- During excavation activities soils will be field screened utilizing chloride test kits and a PID meter for determination of laboratory sampling and additional excavation, if warranted.
- Upon completion of the excavation, confirmation soil samples will be collected every two hundred (200) square feet from the base and sidewalls (representing no more than 50 linear feet) of the excavated areas. Additional, discrete grab samples will be collected from wet or visibly stained areas inferred to have been affected by the release, as necessary. Samples will be

submitted to Permian Basin Environmental Labs of Texas (PBELAB) for analysis of BTEX by EPA Method 8021B, TPH by EPA Method 8015M, and Chlorides by EPA method 300.0.

- The impacted soils will be transported off-site for disposal at an NMOCD approved disposal facilty. Estimated 15 to 25 cubic yards of impacted soils based on visual observations.
- Upon completion of remediation and requisite soil sampling, the site will be backfilled the site with locally sourced, non-impacted "like" material from an approved off-site facility and brought back to grade.
- A closure report with final C-141 will be submitted to the NMOCD upon completion of remediation activities.

Once the soil delineation and remediation work plan has been approved by the NMOCD, Chevron will commence delineation and remediation activities. Upon completion of remediation activities, Chevron will complete the activities within ninety (90) days of approval and submit a *"Remediation Summary and Site Closure Request Report"* to the NMOCD.

If you have any questions, or if additional information is required, please feel free to call me at 432-563-2200 (office) or 432-653-9697 (cell).

Thank you,

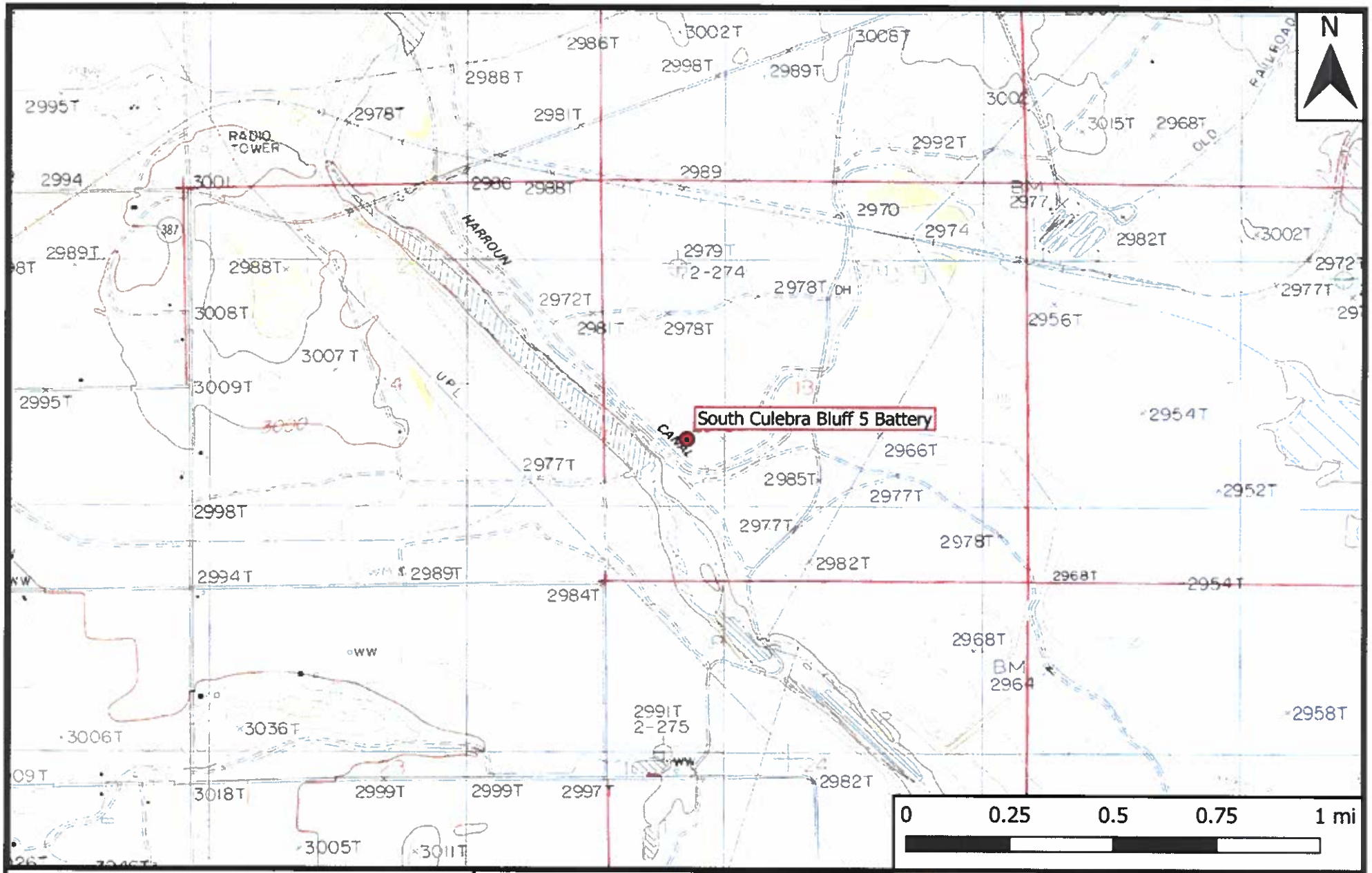
Jeffrey Kindley, P.G.
Senior Project Manager/Geologist
Etech Environmental & Safety Solutions, Inc.

Attachments:

Figure 1 - Site Location Map
Figure 2 – Aerial Proximity Map
Figure 3 - Soil Details Location Map
Appendix A: Initial Release Notification and Corrective Action Form C-141
Appendix B: Groundwater Data Maps and Supporting Water Well Data
Appendix C: Photographic Documentation

cc: File

Figure 1
Topographic Map



Legend

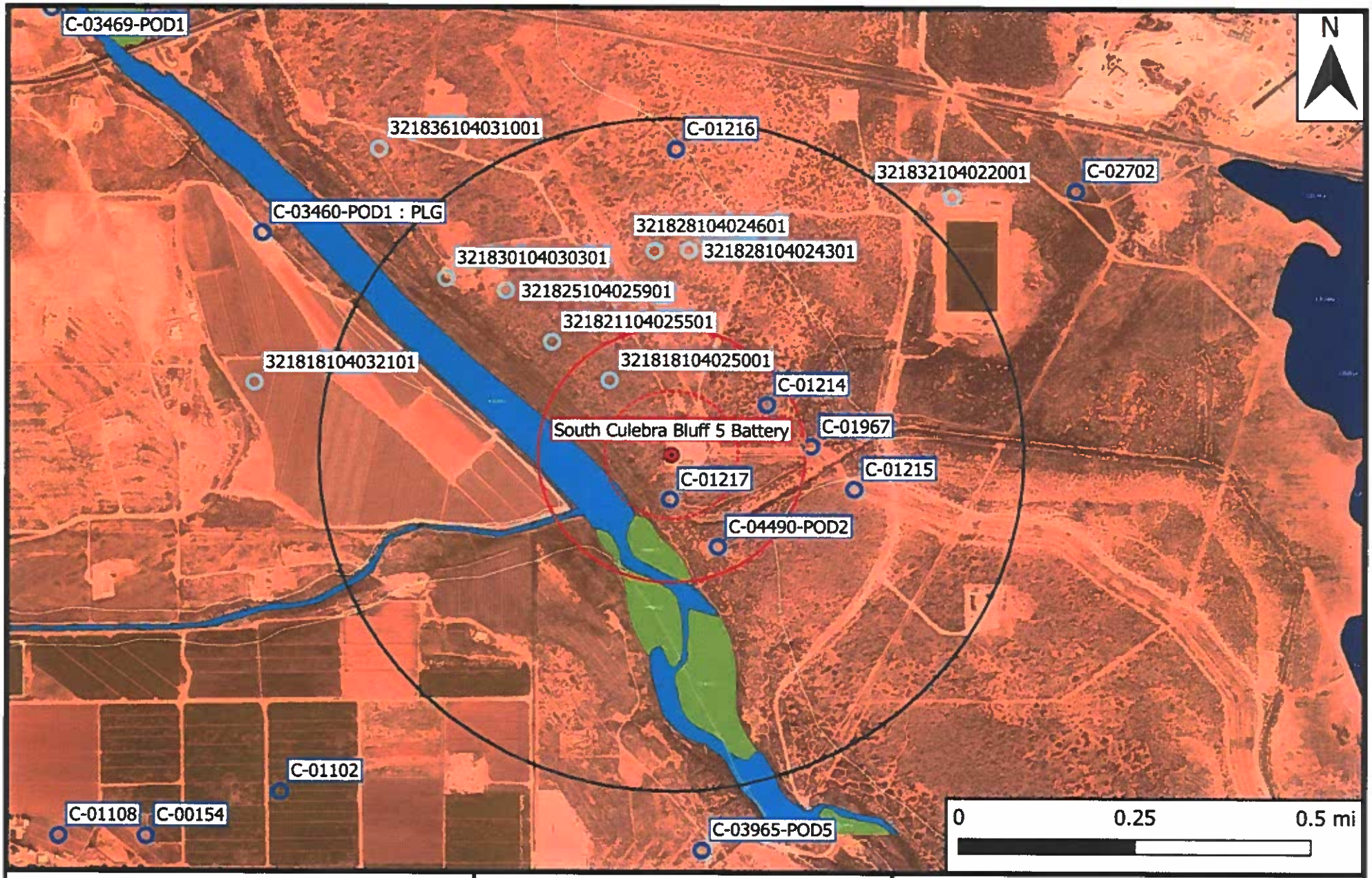
- Site Location

Figure 1
Topographic Map
Chevron Environmental Management Company
South Culebra Bluff 5 Battery
GPS: 32.30350584, -104.04623106
Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 6/9/22

Figure 2
Aerial Proximity Map



Legend

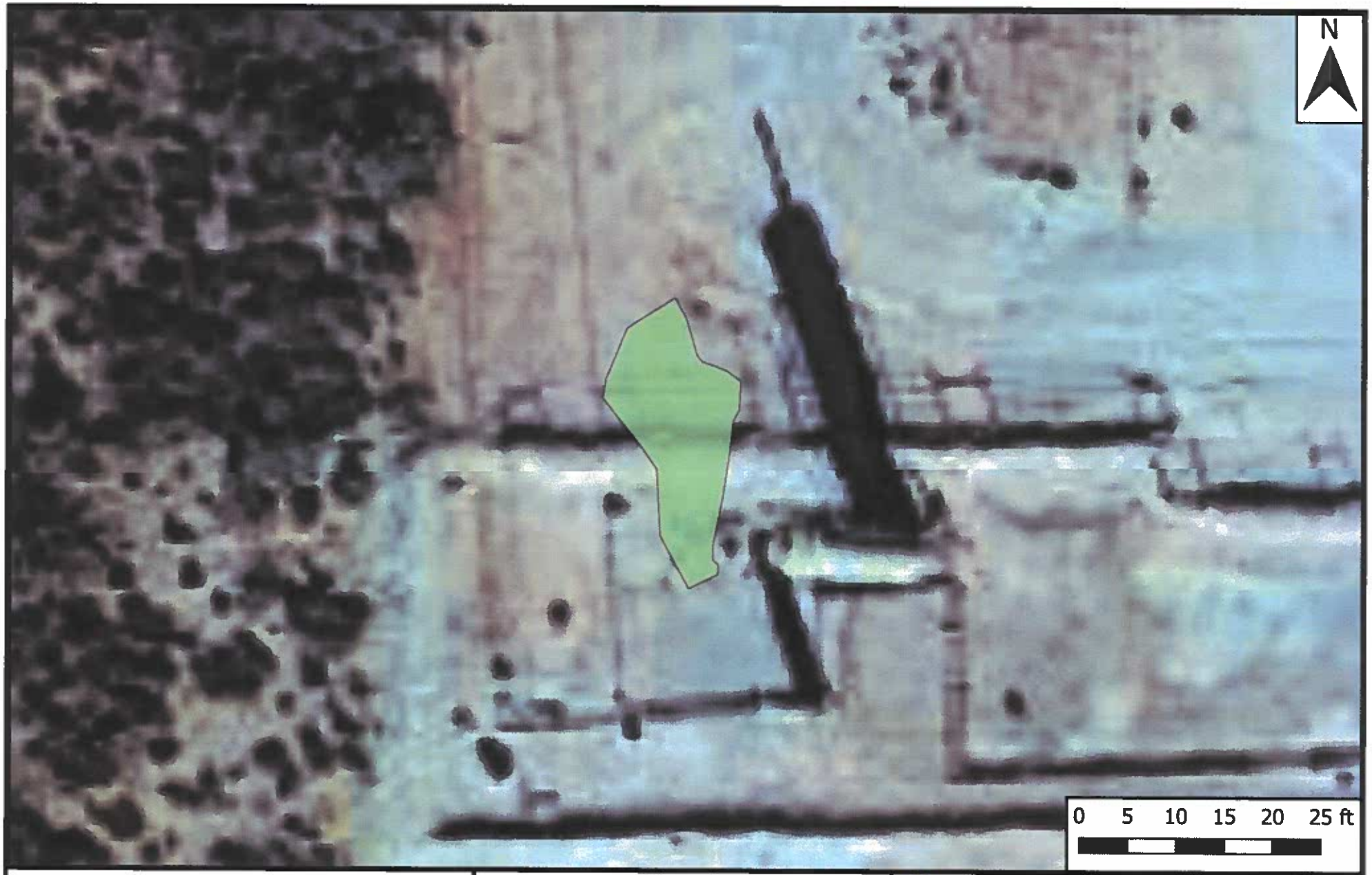
- Site Location
- Well - NMOSE
- Well - USGS
- Potash Mine Workings
- Medium/High Karst
- 500 Ft Radius
- 1000 Ft Radius
- 0.5 Mi Radius
- 1% Annual Flood Chance
- Lake/Freshwater Pond
- Emergent/Forested Wetlands
- Riverine

Figure 2
Aerial Proximity Map
Chevron Environmental Management Company
South Culebra Bluff 5 Battery
GPS: 32.30350584, -104.04623106
Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 6/9/22

Figure 3
Site Details and Location Map



Legend

Release Area - 240 Sq Ft

Figure 3

Site Details Location Map

Chevron Environmental Management Company

South Culebra Bluff 5 Battery

GPS: 32.30350584, -104.04623106

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 6/10/22

Appendix A
Initial Release Notification and Corrective Action Form C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nAPP2212329098
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Chevron USA	OGRID: 4323
Contact Name: Amy Barnhill	Contact Telephone: 432-687-7108
Contact email: ABarnhill@chevron.com	Incident # *(assigned by OCD)*
Contact mailing address: 6301 Deauville Blvd Midland, Tx 79706	

Location of Release Source

Latitude 32.30350584 Longitude -104.04623106
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: South Culebra Bluff 5 Battery	Site Type: Oil
Date Release Discovered: 5-1-22	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
L	13	23S	28E	Eddy

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

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 9.064	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 1.006	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Flow line developed a pin hole from corrosion.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2212329098
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Amy Barnhill Title: Water Specialist

Signature: Amy Barnhill Date: 5-3-22

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

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2212329098
District RP	
Facility ID	
Application ID	

Spill Calculations:

Area 1
Shape: Triangle
Secondary Containment?: No
Standing Liquid Dimensions: 7 ft x 6 ft x 4 in
Total Volume: 1.434 bbl
Water Cut: 10%
Oil Volume:1.291 bbl
Penetration Depth: 4 in
Fluid to Soil Volume: .187 bbl
Water Volume: 0.143 bbl

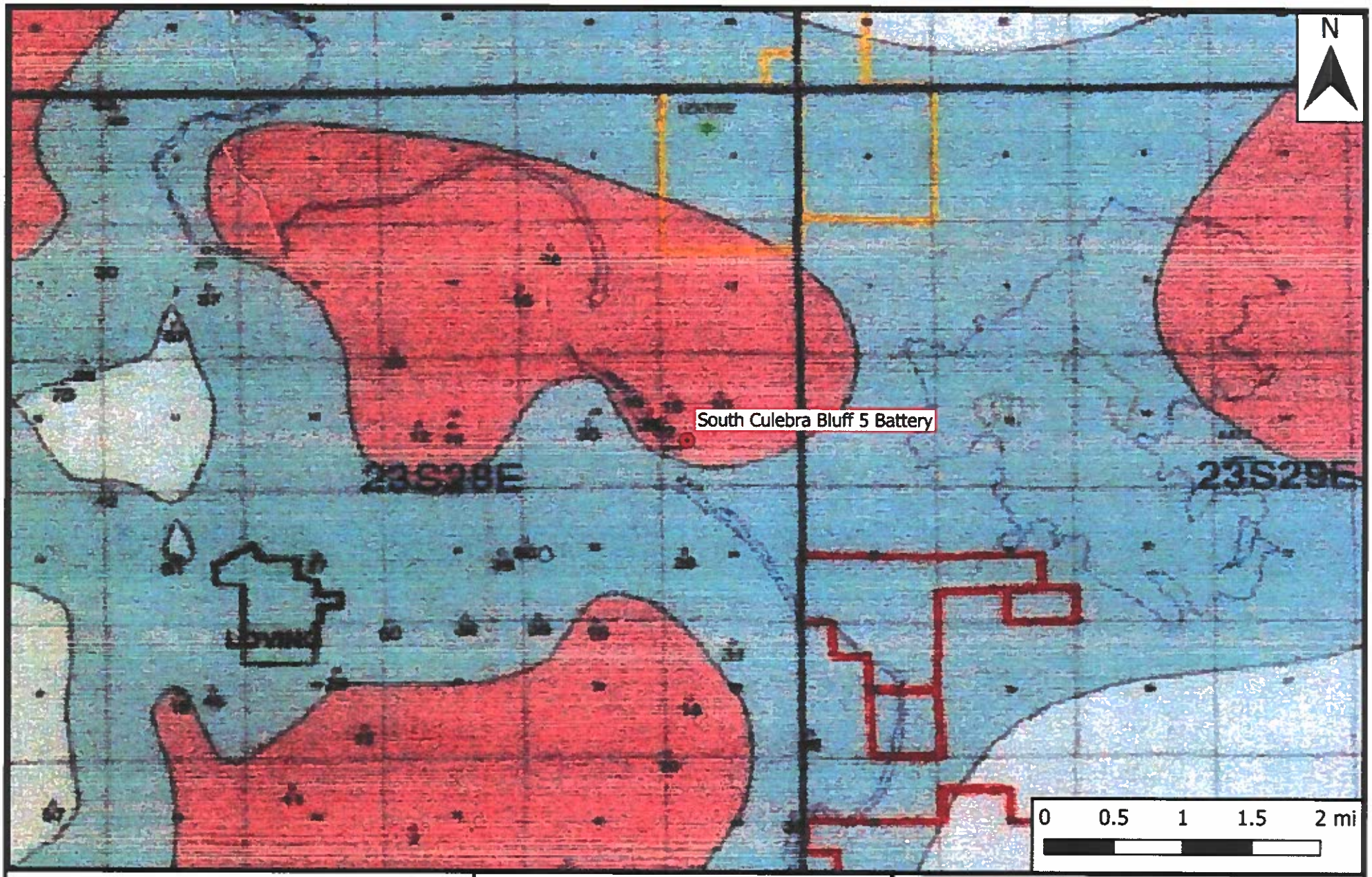
Area 2
Shape:Rectangle
Secondary Containment?: No
Standing Liquid Dimensions: 6 ft x 5 ft x 2 in
Total Volume: 1.024 bbl
Water Cut: 10%
Oil Volume: .922 bbl
Penetration Depth: 2 in
Volume to Soil Volume: .134 bbl
Water Volume: 0.102 bbl

Area 3
Shape: Rectangle
Secondary Containment?: No
Standing Liquid Dimensions: 5 ft x 5 ft x 2 in
Total Volume: .853 bbl
Water Cut: 10%
Oil Volume: .768 bbl
Penetration Depth: 2 in
Fluid to Soil Volume: .111 bbl
Water Volume: 0.085 bbl

Area 4
Shape: Triangle
Secondary Containment?: No
Standing Liquid Dimensions: 9 ft x 11 ft x 8 in
Total Volume: 6.759 bbl
Water Cut: 10%
Oil Volume: 6.083 bbl
Penetration Depth: 8 in
Fluid to Soil Volume: .882 bbl
Water Volume: 0.676 bbl

Appendix B

Groundwater Data Maps and Supporting Water Well Data



Legend

- Site Location

Figure 4

Inferred Depth to Groundwater Trend Map

Chevron Environmental Management Company

South Culebra Bluff 5 Battery

GPS: 32.30350584, -104.04623106

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 6/9/22

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01217		CUB	ED	4	1	3	13	23S	28E	589789	3574371	105	87	50	37
C 04490 POD2		CUB	ED	2	3	3	13	23S	28E	589899	3574259	242	23	19	4
C 01214		CUB	ED	1	2	3	13	23S	28E	590010	3574597*	248	70	20	50
C 01967		C	ED		2	3	13	23S	28E	590111	3574498*	319	264	200	64
C 01215		CUB	ED	4	2	3	13	23S	28E	590210	3574397*	425	104	15	89
C 01216		CUB	ED	4	1	1	13	23S	28E	589801	3575205*	727	60	45	15
C 04584 POD2		CUB	ED	4	2	1	13	23S	28E	590250	3575123	792	34	19	15

Average Depth to Water: **52 feet**
Minimum Depth: **15 feet**
Maximum Depth: **200 feet**

Record Count: 7

UTMNAD83 Radius Search (in meters):

Easting (X): 589792.35 **Northing (Y):** 3574477.27 **Radius:** 804.67

***UTM location was derived from PLSS - see Help**

6/9/22 10:08 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 01214	1	2	3	13	23S	28E	590010	3574597*

Driller License: 359 **Driller Company:** BRADY, W.H. DRILLING CO.

Driller Name: W.H. BRADY

Drill Start Date:	08/01/1964	**Drill Finish Date:**	08/02/1964	**Plug Date:**	
Log File Date:	11/02/1964	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	70 feet	**Depth Water:**	20 feet

Water Bearing Stratifications:	Top	Bottom	Description
	32	35	Sandstone/Gravel/Conglomerate
	38	39	Sandstone/Gravel/Conglomerate

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twp	Rng	(NAD83 UTM in meters) X	Y
	C 01215	4	2	3	13	23S	28E	590210	3574397*

Driller License:	359	**Driller Company:**	BRADY, W.H. DRILLING CO.		
Driller Name:	W.H. BRADY				
Drill Start Date:	08/03/1964	**Drill Finish Date:**	08/04/1964	**Plug Date:**	
Log File Date:	09/15/1964	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	104 feet	**Depth Water:**	15 feet

Water Bearing Stratifications:	Top	Bottom	Description
	19	20	Sandstone/Gravel/Conglomerate
	25	31	Sandstone/Gravel/Conglomerate

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	C 01216	4	1	1	13	23S	28E	589801	3575205*

Driller License: 359 **Driller Company:** BRADY, W.H. DRILLING CO.

Driller Name: W.H. BRADY

Drill Start Date:	08/05/1964	**Drill Finish Date:**	08/06/1964	**Plug Date:**	
Log File Date:	09/15/1964	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	60 feet	**Depth Water:**	45 feet

Water Bearing Stratifications:	Top	Bottom	Description
	42	46	Sandstone/Gravel/Conglomerate

***UTM location was derived from PLSS - see Help**

6/9/22 10:09 AM POINT OF DIVERSION SUMMARY

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	C 01217	4	1	3	13	23S	28E	589789	3574371

Driller License: 359 **Driller Company:** BRADY, W.H. DRILLING CO.

Driller Name: W.H. BRADY

Drill Start Date: 08/07/1964 **Drill Finish Date:** 08/11/1964 **Plug Date:**

Log File Date: 09/15/1964 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** 87 feet **Depth Water:** 50 feet

Water Bearing Stratifications:	Top	Bottom	Description
	55	69	Sandstone/Gravel/Conglomerate

Meter Number: 559 **Meter Make:** MCCROMETER

Meter Serial Number: 9541736 **Meter Multiplier:** 1.0000

Number of Dials: 2 **Meter Type:** Diversion

Unit of Measure: Acre-Feet **Return Flow Percent:**

Usage Multiplier: **Reading Frequency:**

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
12/29/1998	1999	136	A	ms		0	
04/16/1999	1999	155	A	ms		18.685	
06/30/1999	1999	175	A	ms		19.849	
09/29/1999	1999	200	A	ms		25.349	
01/04/2000	1999	226	A	ms		25.613	
04/06/2000	2000	243	A	mb		16.558	
07/01/2000	2000	256	A	mb		13.141	
10/01/2000	2000	276	A	mb		20.241	
10/19/2000	2000	279	A	mb		3.020	
01/05/2001	2000	291	A	ms		12.423	
04/15/2001	2001	306	A	RPT		14.682	
05/09/2001	2001	312	A	ms		5.732	
07/12/2001	2001	322	A	RPT		10.142	
10/01/2001	2001	337	A	RPT		14.798	
11/08/2001	2001	344	A	AM		6.906	
01/01/2003	2002	355	A	ms		11.314	
04/01/2003	2003	366	A	ms		11.314	
04/01/2003	2003	369	A	ms		3.052	
06/04/2003	2003	0	A	ms		0	
06/04/2003	2003	7	A	ms		6.678	
07/01/2003	2003	12	A	ms		5.246	
08/20/2003	2003	22	A	ms		10.412	

10/01/2003	2003	31	A	RPT		8.788
10/27/2003	2003	36	A	TW		4.600
01/02/2004	2003	49	A	ab		13.171
04/01/2004	2004	67	A	RPT		18.345
07/01/2004	2004	93	A	RPT		26.222
10/01/2004	2004	112	A	RPT		18.603
01/02/2005	2004	130	A	RPT		18.402
01/03/2005	2005	31	A	TW		0
01/29/2005	2005	35	A	TW		4.470
03/30/2005	2005	48	A	TW		13.120
07/06/2005	2005	70	A	TW		22.284
01/05/2006	2005	26	R	TW	Meter Rollover	55.703
04/06/2006	2006	49	A	tw		22.428
07/06/2006	2006	71	A	tw		21.985
01/09/2007	2006	26	R	tw	Meter Rollover	55.935
07/03/2007	2007	72	A	tw		45.278
10/11/2007	2007	96	A	tw		24.730
01/03/2008	2007	18	R	tw	Meter Rollover	21.415
04/24/2008	2008	44	A	tw		25.874
07/17/2008	2008	70	A	tw		26.000
10/02/2008	2008	5	R	tw	Meter Rollover	35.752
01/15/2009	2008	28	A	tw		22.762
04/22/2009	2009	50	A	tw		21.303
08/04/2009	2009	72	A	tw		22.625
01/06/2010	2009	6	R	tw	Meter Rollover	33.717
06/02/2010	2010	37	A	tw		31.586
01/12/2011	2010	88	A	tw		50.274
01/23/2012	2011	74	R	tw	Meter Rollover	86.316
03/12/2012	2012	85	A	tw		10.930
07/24/2012	2012	14	R	tw	Meter Rollover	28.647
02/13/2013	2012	56	A	tw		42.801
01/24/2014	2013	26	R	tw	Meter Rollover	69.298
07/22/2014	2014	69	A	tw		43.349
01/27/2015	2014	79	A	tw		10.138
03/11/2016	2015	5	R	tw	Meter Rollover	26.221
08/09/2016	2016	80	A	tw		74.314
12/28/2016	2016	92	A	tw		11.929

**YTD Meter Amounts:	Year	Amount
	1999	89.496
	2000	65.383
	2001	52.260
	2002	11.314
	2003	63.261
	2004	81.572
	2005	95.577
	2006	100.348
	2007	91.423
	2008	110.388
	2009	77.645
	2010	81.860

2011	86.316
2012	82.378
2013	69.298
2014	53.487
2015	26.221
2016	86.243

Meter Number:	1401	**Meter Make:**	MCCROMETER
Meter Serial Number:	17-09535	**Meter Multiplier:**	100.0000
Number of Dials:	6	**Meter Type:**	Diversion
Unit of Measure:	Gallons	**Return Flow Percent:**	
Usage Multiplier:		**Reading Frequency:**	

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
04/06/2000	2000	20998	A	mb		0	
07/11/2000	2000	23327	A	mb		2329.000	
03/01/2019	2019	201196	A	RPT		0	
10/31/2019	2019	255120	A	RPT		16.549	

**YTD Meter Amounts:	Year	Amount
	2000	2329.000
	2019	16.549

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 01967	2	3		13	23S	28E	590111	3574498*

Driller License: 592 **Driller Company:** TOMBLIN DRILLING

Driller Name:

Drill Start Date:	06/22/1981	**Drill Finish Date:**	07/15/1981	**Plug Date:**	
Log File Date:	08/04/1981	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	15 GPM
Casing Size:	6.00	**Depth Well:**	264 feet	**Depth Water:**	200 feet

Water Bearing Stratifications:	Top	Bottom	Description
	258	264	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	256	264

***UTM location was derived from PLSS - see Help**

6/9/22 10:09 AM POINT OF DIVERSION SUMMARY

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04490 POD2	2	3	3	13	23S	28E	589899	3574259

Driller License:	1664	**Driller Company:**	CASCADE DRILLING, LP		
Driller Name:	SHAWN CAIN				
Drill Start Date:	11/18/2020	**Drill Finish Date:**	11/19/2020	**Plug Date:**	
Log File Date:	12/21/2020	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	3 GPM
Casing Size:	2.00	**Depth Well:**	23 feet	**Depth Water:**	19 feet

Casing Perforations:	**Top**	**Bottom**
	13	23

6/9/22 10:09 AM POINT OF DIVERSION SUMMARY

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04584 POD2	4	2	1	13	23S	28E	590250	3575123

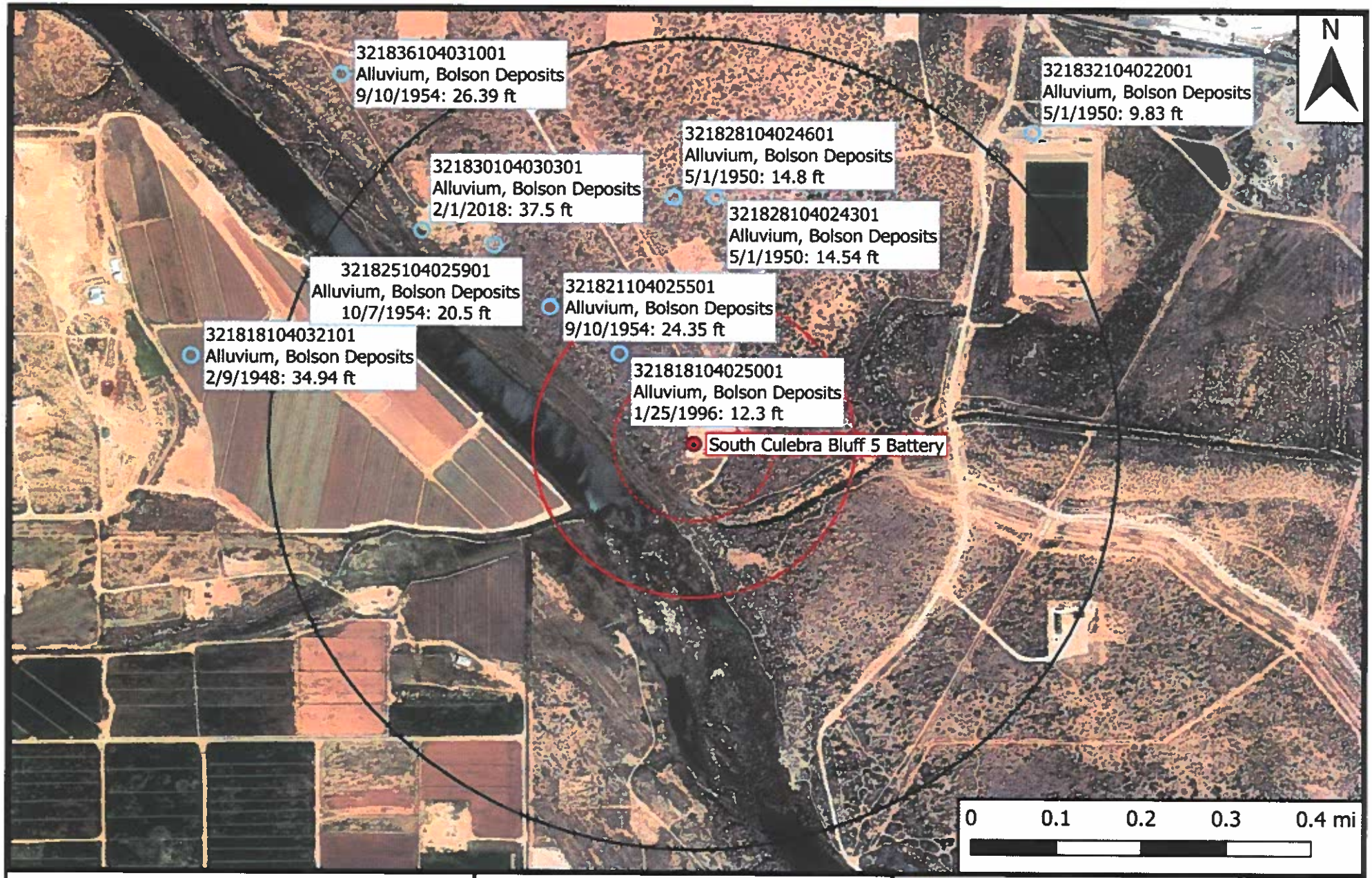
Driller License: 1664 **Driller Company:** CASCADE DRILLING, LP

Driller Name: CAIN, SHAWN N.NJR.L.NER

Drill Start Date:	12/14/2021	**Drill Finish Date:**	12/15/2021	**Plug Date:**	
Log File Date:	05/19/2022	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	0 GPM
Casing Size:	2.00	**Depth Well:**	34 feet	**Depth Water:**	19 feet

Casing Perforations:	Top	Bottom
	14	34

6/9/22 10:09 AM POINT OF DIVERSION SUMMARY



Legend

- Site Location
- Well - USGS
- 500 Ft Radius
- 1000 Ft Radius
- 0.5 Mi Radius

Figure 5

USGS Well Proximity Map

Chevron Environmental Management Company

South Culebra Bluff 5 Battery

GPS: 32.30350584, -104.04623106

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 6/9/22

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321818104025001

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

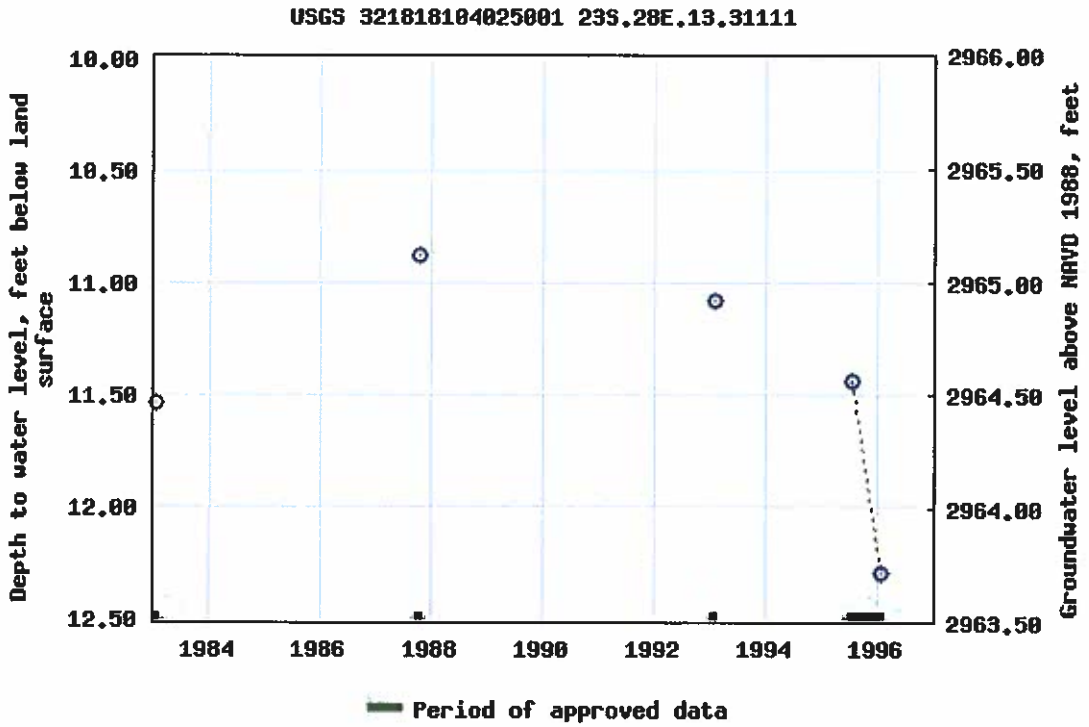
USGS 321818104025001 23S.28E.13.31111

Available data for this site Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°18'18", Longitude 104°02'50" NAD27
Land-surface elevation 2,976 feet above NAVD88
The depth of the well is 210 feet below land surface.
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



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Agency code = usgs
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- 321821104025501

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USGS 321821104025501 23S.28E.14.244323

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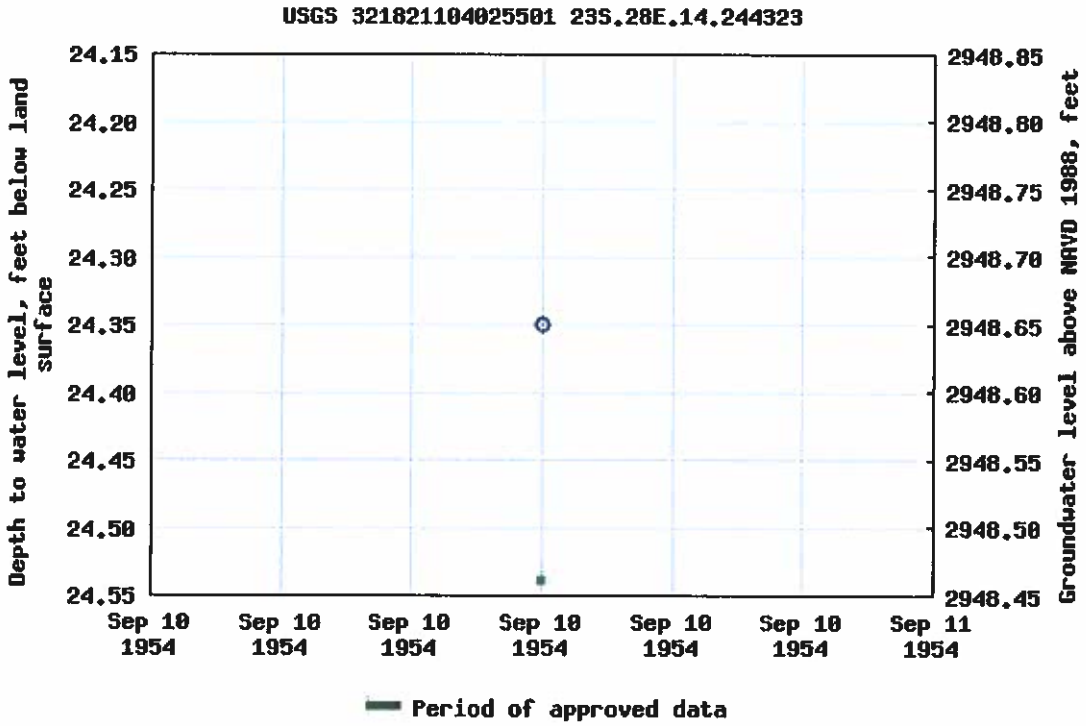
Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°18'21", Longitude 104°02'55" NAD27
Land-surface elevation 2,973 feet above NAVD88
The depth of the well is 132 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed 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



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- 321825104025901

Minimum number of levels = 1
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USGS 321825104025901 23S.28E.14.243221

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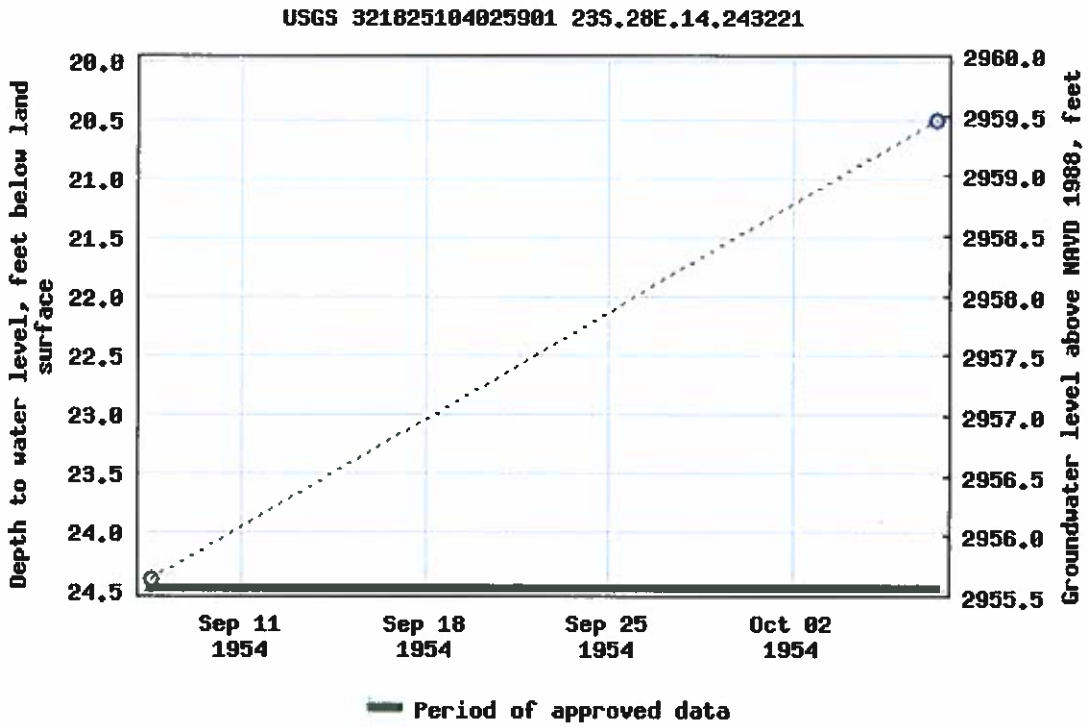
Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°18'25", Longitude 104°02'59" NAD27
Land-surface elevation 2,980 feet above NAVD88
The depth of the well is 130 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed 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



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- 321828104024301

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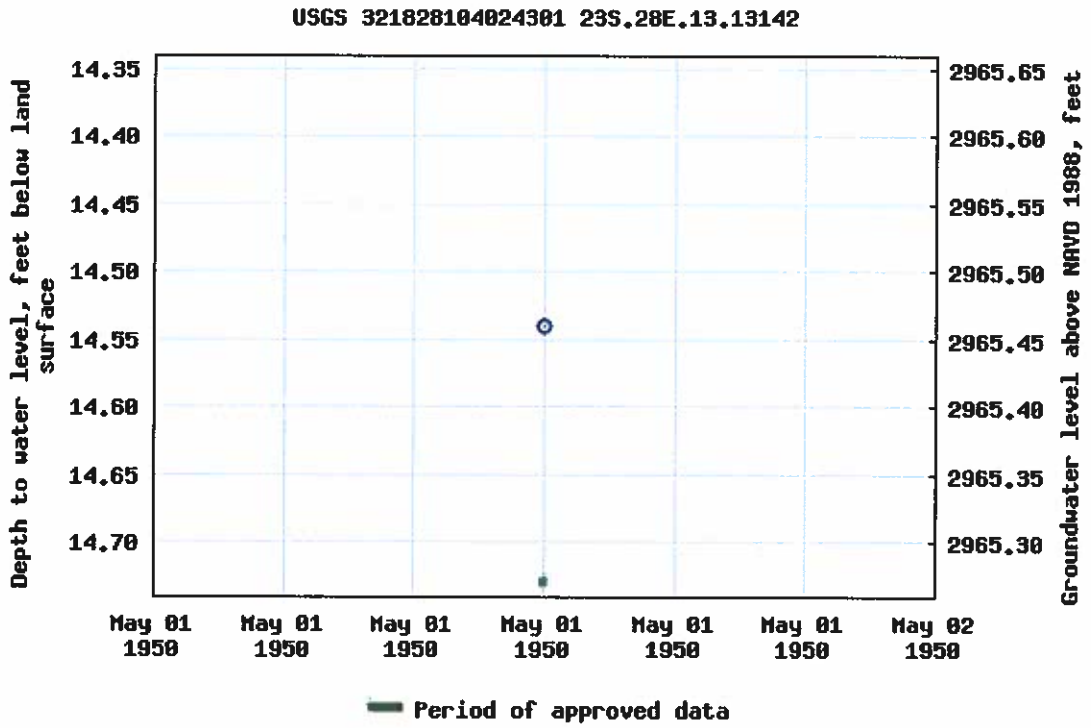
USGS 321828104024301 23S.28E.13.13142

Available data for this site Groundwater: Field measurements GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°18'28", Longitude 104°02'43" NAD27
Land-surface elevation 2,980 feet above NAVD88
The depth of the well is 40 feet below land surface.
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



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- 321828104024601

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USGS 321828104024601 23S.28E.13.13141

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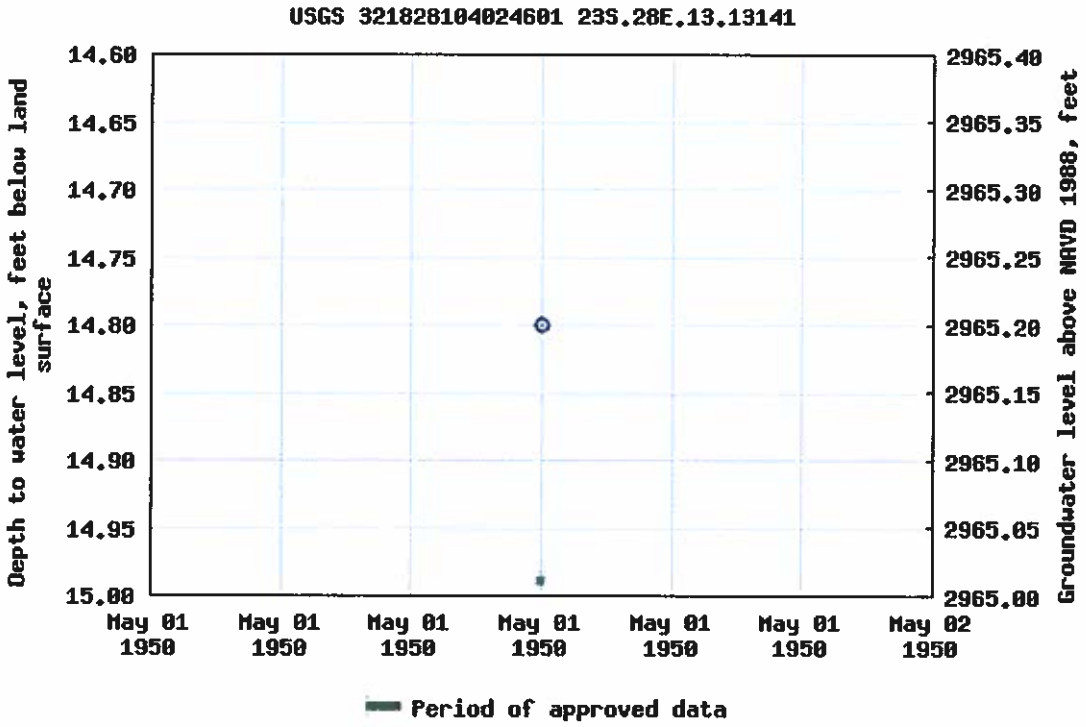
Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°18'28", Longitude 104°02'46" NAD27
Land-surface elevation 2,980 feet above NAVD88
The depth of the well is 79 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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



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Agency code = usgs
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- 321830104030301

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USGS 321830104030301 23S.28E.14.241141

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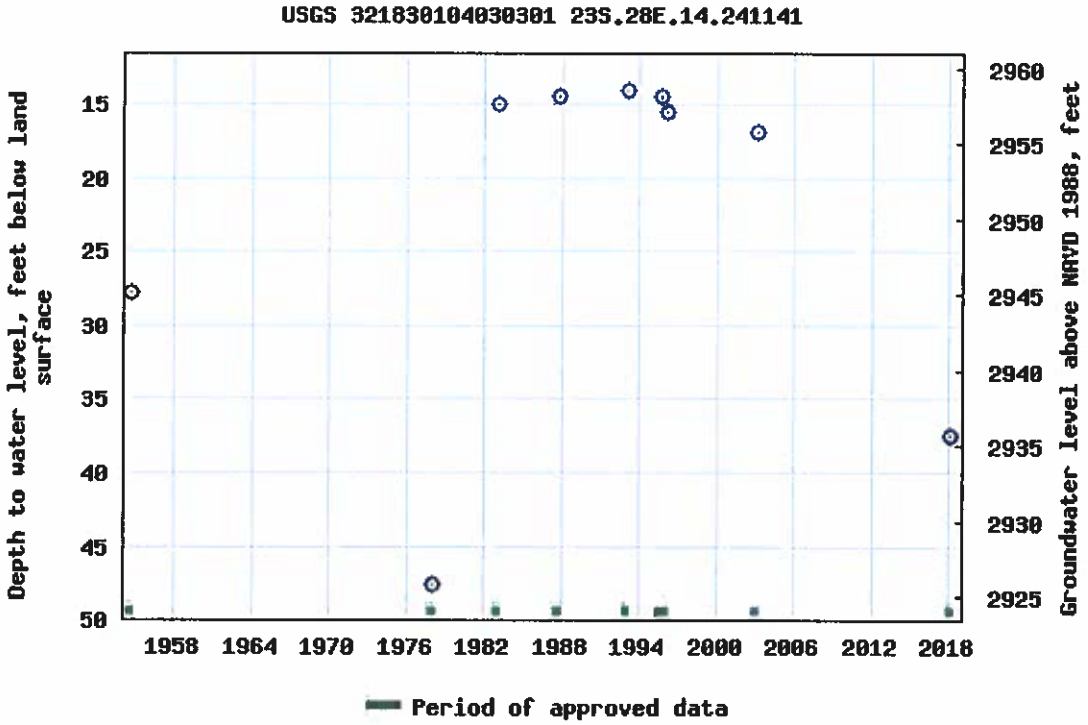
Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°18'26.4", Longitude 104°03'06.0" NAD83
Land-surface elevation 2,973 feet above NAVD88
The depth of the well is 80 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed 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



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Appendix C
Photographic Documentation

Project Name: *South Culebra Bluff 5 Battery*
Project No: *16103*

Photographic Documentation

Photo No: **1.**	
Direction Taken: Southeast	
Description: View of the impacted area.	

Photo No: **2.**	
Direction Taken: Northwest	
Description: View of the impacted area by heater treater.	

Project Name: *South Culebra Bluff 5 Battery*
Project No: *16103*

Photographic Documentation

Photo No: **3.**	
Direction Taken: Northeast	
Description: View of the impacted area.	

Photo No: **4.**	
Direction Taken: East	
Description: View of the impacted area.	

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 156477

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 156477
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	The OCD accepts the Site Assessment. The remediation plan is due within 90 days of the date of release. Please submit: 1. Scaled site map diagram with sample points clearly marked 2. Site Assessment/Delineation summary (horizontal and vertical) 3. Delineation sample analytical results (lab tested) 4. Table containing analytical data 5. Description of proposed excavation depths corresponding to analytical table 6. Signed and dated C-141 (Pages 5-6) And all other required items on the Remediation Plan Checklist.	11/15/2022