



30 June 2014

Mr. Mike Bratcher
Environmental Specialist
NMOCD
811 S. First St
Artesia, New Mexico 88240

**Re: Initial C-141
Chevron
Culebra Bluff SWD #1
UL-E, Section 2, Township 23 South, Range 28 East
Eddy County, New Mexico**

Mr. Bratcher:

Environmental Plus, Inc. (EPI), on behalf of Mr. Brian Criswell, Chevron Corporation (Chevron), submits the attached form C-141 for the above-referenced leak site, located on land owned by the State of New Mexico.

The site is located approximately 4 miles northeast of Loving, New Mexico (reference *Figure 1*). A search for water wells was completed utilizing the New Mexico Office of the State Engineer's website and a United States Geological Survey (USGS) database. A total of six (6) wells are located in the area surrounding the release site (reference *Table 1*). No wells (domestic, agriculture or public) and no bodies of surface water exist within a 1,000-foot radius of the release site (reference *Figure 2*). Groundwater data indicated the average water depth is approximately 25 feet below ground surface (bgs). The attached site information and metrics form ranks the site in accordance with the NMOCD Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993).

Approximately 58 bbls of produced water were released when the seals on the pump plungers failed causing the release; all fluid was contained within the firewall. Approximately 53 barrels were recovered (reference *Figure 3* and attached photographs). Based on available information, it was projected distance between impacted soil and groundwater is approximately 25 vertical feet. Utilizing this information, NMOCD Recommended Remedial Action Levels (RRALs) for this Site were determined as follows:

Parameter	Recommended Remedial Action Level
Benzene	10 parts per million
BTEX	50 parts per million
TPH	100 parts per million
Chloride	250 parts per million

Should you have any questions or concerns please feel free to contact me at (575) 394-3481 or via e-mail at ddominguezepi@gmail.com or Mr. Brian Criswell at (575) 263-0409 or via e-mail at brian.criswell@chevron.com. All official communication should be addressed to:

Mr. Brian Criswell
Chevron Delaware Basin, Hobbs FMT
1616 West Bender
Hobbs, New Mexico 88240

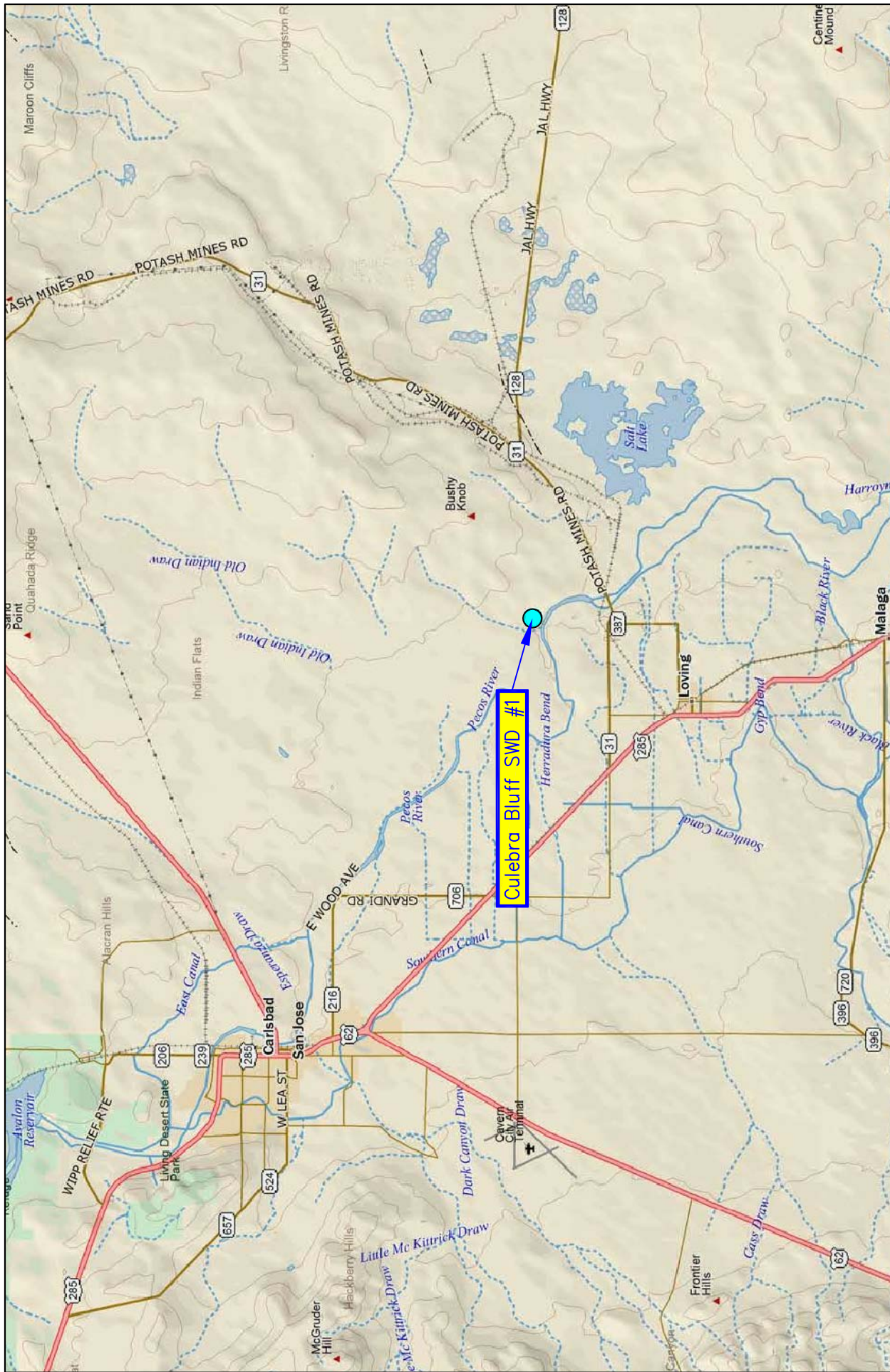
Sincerely,

ENVIRONMENTAL PLUS, INC.

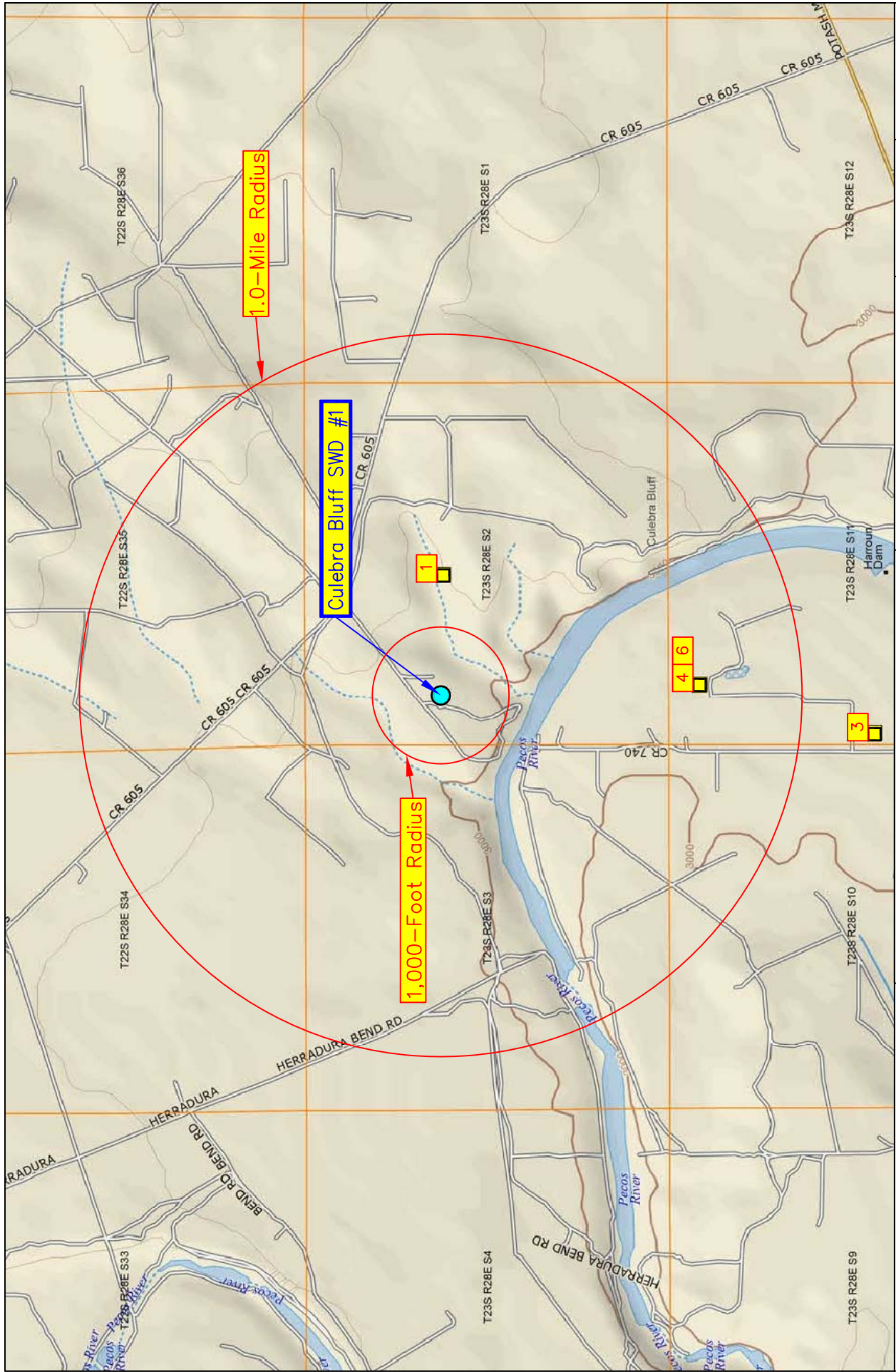
Daniel Dominguez
Environmental Consultant

cc: Brian Criswell – HSE Specialist, Chevron Hobbs FMT – Hobbs, NM
File

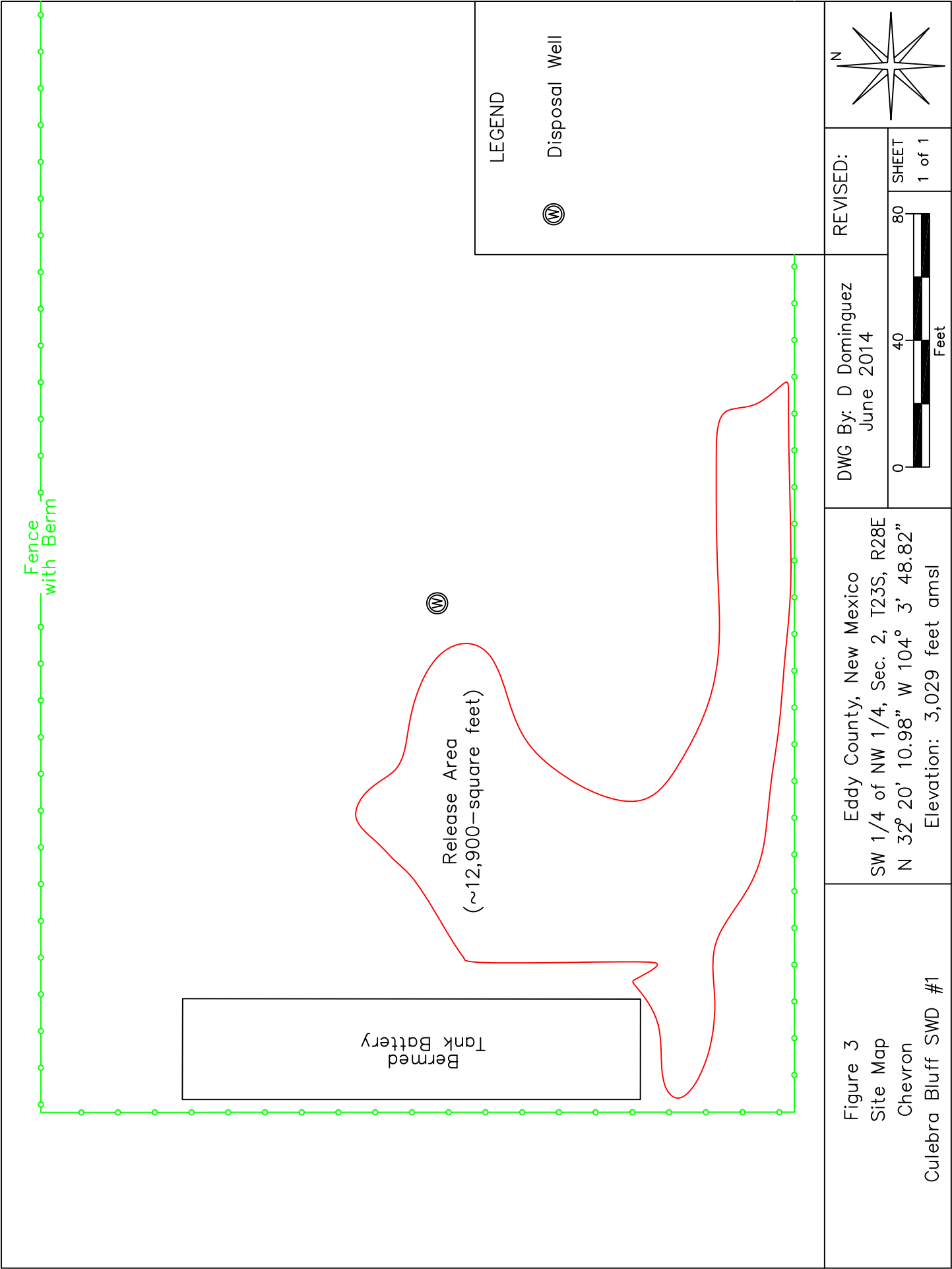
FIGURES



<div data-bbox="1331 90 1526 283"> </div> <div data-bbox="1331 283 1526 856"> <div data-bbox="1331 283 1429 856"> DWG By: D Dominguez June 2014 </div> <div data-bbox="1429 283 1526 856"> REVISED: SHEET 1 of 1 </div> </div>	<div data-bbox="1331 856 1526 1465"> Eddy County, New Mexico SW 1/4 of NW 1/4, Sec. 2, T23S, R28E N 32° 20' 10.98" W 104° 3' 48.82" Elevation: 3,029 feet amsl </div>	<div data-bbox="1331 1465 1526 2003"> Figure 1 Area Map Chevron Culebra Bluff SWD #1 </div>
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<p>Figure 2</p> <p>Site Location Map</p> <p>Chevron</p> <p>Culebra Bluff SWD #1</p>	<p>Eddy County, New Mexico</p> <p>SW 1/4 of NW 1/4, Sec. 2, T23S, R28E</p> <p>N 32° 20' 10.98" W 104° 3' 48.82"</p> <p>Elevation: 3,029 feet amsl</p>		<p>DWG By: D Dominguez</p> <p>June 2014</p>	<p>REVISED:</p>
			<p>0 2,000 4,000</p> <p>Feet</p>	<p>SHEET</p> <p>1 of 1</p>



TABLES

TABLE 1

Well Data

Chevron - Culebra Bluff SWD #1

Ref #	Well Number	Use	Diversion ^A	Owner	q64	q16	q4	Sec	Twsp	Rng	Easting	Northing	Date Measured	Surface Elevation ^B	Depth to Water (ft bgs)
1	SD 01094	IND	381.6	UNITED STATES POTASH COMPANY				2	23S	28E	588668	3577916		3042	
3	C 00315	IRR	0	JOSE AREVALO	3	1	3	11	23S	28E	587973	3575995	06/20/1952	2991	45
4	C 00512	IRR	322.8	ANTONIO C. & GLORIA G. ONSUREZ	4	1	1	11	23S	28E	588188	3576775	05/20/1975	2992	15
6	C 03536	PRO	0	GLENN'S WATER WELL SERVICE	4	1	1	11	23S	28E	588188	3576775	05/20/1975	2992	15
2	C 00326	IRR	221.45	JACKIE D MCDONALD	3	3	3	10	23S	28E	586358	3575572	10/19/1991	3018	19
5	C 03469	POL	0	BTA OIL PRODUCERS, LLC	3	4	3	11	23S	28E	588373	3575538	01/25/2011	2979	38

* = Data obtained from the New Mexico Office of the State Engineer Website (http://iwaters.ose.state.nm.us:7001/iWATERS/wr_RegisServlet1) and USGS Database

^A = In acre feet per annum

^B = Elevation interpolated from USGS topographical map based on referenced location.

IND = Industrial

IRR = Irrigation

PRO = 72-12-1 Prospecting or Development of Natural Resource

POL = Pollution Control Well

quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are smallest to biggest

Shaded area indicates wells not shown in Figure 2

ATTACHMENTS

ATTACHMENT I
PHOTOGRAPHS



Photograph #1- Lease sign



Photograph #2- Looking west toward tank battery and release area.



Photograph #3- Looking west across release area.



Photograph #4- Looking west across release area.

**ATTACHMENT II
INFORMATION AND METRICS
INITIAL C-141**

Information and Metrics		Incident Date: 6/14/14	NMOCD Notified: 6/14/14
Site: Culebra Bluff SWD #1		Assigned Site Reference #:	
Company: Chevron			
Street Address: 1616 West Bender			
Mailing Address:			
City, State, Zip: Hobbs, NM 88240			
Representative: Brian Criswell			
Representative Telephone: (575) 263 – 0409			
Telephone:			
Fluid volume released (bbls): ~58 bbls		Recovered (bbls): 53 barrels	
>25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas)			
5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)			
Leak, Spill, or Pit (LSP) Name: Culebra Bluff SWD #1			
Source of contamination: pump equipment failed			
Land Owner, i.e., BLM, ST, Fee, Other: State			
LSP Dimensions: ~235 feet by 155 feet			
LSP Area: ~12,900 ft ²			
Location of Reference Point (RP):			
Location distance and direction from RP:			
Latitude: N 32° 20' 10.98"			
Longitude: W 104° 3' 48.82"			
Elevation above mean sea level: 3,029 feet			
Feet from North Section Line:			
Feet from West Section Line:			
Location- Unit or 1/4: SW 1/4 of the NW 1/4		Unit Letter: E	
Location- Section: 2			
Location- Township: T23S			
Location- Range: R28E			
Surface water body within 1000' radius of site: none			
Domestic water wells within 1000' radius of site: none			
Agricultural water wells within 1000' radius of site: none			
Public water supply wells within 1000' radius of site: none			
Depth from land surface to ground water (DG): ~ 25'			
Depth of contamination (DC): unknown			
Depth to ground water (DG – DC = DtGW): ~ 25'			
1. Ground Water		2. Wellhead Protection Area	
If Depth to GW <50 feet: 20 points		If <1000' from water source, or; <200' from private domestic water source: 20 points	
If Depth to GW 50 to 99 feet: 10 points		If >1000' from water source, or; >200' from private domestic water source: 0 points	
If Depth to GW >100 feet: 0 points		If >1000' from water source, or; >200' from private domestic water source: 0 points	
Site Rank (1+2+3) = 20 + 0 + 0 = 20			
Total Site Ranking Score and Acceptable Concentrations			
Parameter	>19	10-19	0-9
Benzene ¹	10 ppm	10 ppm	10 ppm
BTEX ¹	50 ppm	50 ppm	50 ppm
TPH	100 ppm	1,000 ppm	5,000 ppm
¹ 100 ppm field VOC headspace measurement may be substituted for lab analysis			

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Chevron	Contact: Brian Criswell
Address: 1616 West Bender	Telephone No.: (575) 263 - 0409
Facility Name: Culebra Bluff SWD #1	Facility Type: Injection Station
Surface Owner: State	Mineral Owner:
API:	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	2	23S	28E					Eddy

Latitude: N 32° 20' 10.98" **Longitude:** W 104° 3' 48.82"

NATURE OF RELEASE

Type of Release: produced water	Volume of Release: 58 bbls	Volume Recovered: 53 bbls
Source of Release: injection station	Date and Hour of Occurrence: 6/14/14 @ am	Date and Hour of Discovery: 6/14/14 @ am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher	
By Whom? Brian Criswell	Date and Hour: 6/14/14 @ am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: Not Applicable	
Depth to Water. ~25 ft bgs		
If a Watercourse was Impacted, Describe Fully.* Not Applicable		
Describe Cause of Problem and Remedial Action Taken.* Approximately 58 bbls of produced water were released when the pump equipment failed at the battery releasing 58 barrels of produced water to the secondary containment; no produced water escaped the containment. A vacuum truck was dispatched to pick up any free standing liquids. There were approximately 53 bbls recovered. An Emergency Response Team arrived at the release area and began continuous abatement of the impacted area. Visibly stained soil was excavated and hauled away for disposal at a state approved facility.		
Describe Area Affected and Cleanup Action Taken.* Approximately 2,300 square feet of surface area was impacted by the release. Soil samples will not be collected from release area due to finding a poly liner while removing contaminated soil. All contaminated soil will be removed and hauled for disposal. Upon NMOCD approval, EPI will backfill the tank battery.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Brian Criswell	Approved by District Supervisor:	
Title: HSE Specialist	Approval Date:	Expiration Date:
E-mail Address: brian.criswell@chevron.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date:	Phone: (575) 263-0409	

* Attach Additional Sheets If Necessary