



17 October 2014

Dr. Tomas Oberding
Environmental Specialist
NMOCD
1625 N. French Drive
Hobbs, New Mexico 88240

**Re: Initial C-141
Chevron
CDU Injection Line
UL-L, Section 28, Township 21 South, Range 37 East
Lea County, New Mexico**

Dr. Oberding:

Environmental Plus, Inc. (EPI), on behalf of Mr. Stephen Gwin, Chevron Corporation (Chevron), submits the attached form C-141 for the above-referenced leak site, located on land owned by John Coy.

The site is located approximately one (1) mile west of Eunice, 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 thirteen (13) wells are located in the area surrounding the release site (reference *Table 1*). One (1) well (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 90 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 17 bbls of produced water were released when a coupler failed outside of a valve box, a larger but unknown volume was recovered due to heavy rains (reference *Figure 3* and attached photographs). Based on available information, it was projected distance between impacted soil and groundwater is approximately 90 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. Stephen Gwin at (575) 263-0427 or via e-mail at stephen.gwin@chevron.com. All official communication should be addressed to:

Mr. Stephen Gwin
Chevron Delaware Basin, Hobbs FMT
1616 West Bender
Hobbs, New Mexico 88240

Sincerely,

ENVIRONMENTAL PLUS, INC.

Daniel Dominguez
Environmental Consultant

cc: Stephen Gwin – HE Specialist, Chevron – Hobbs, NM
John Coy – Landowner – Eunice, NM
File

FIGURES

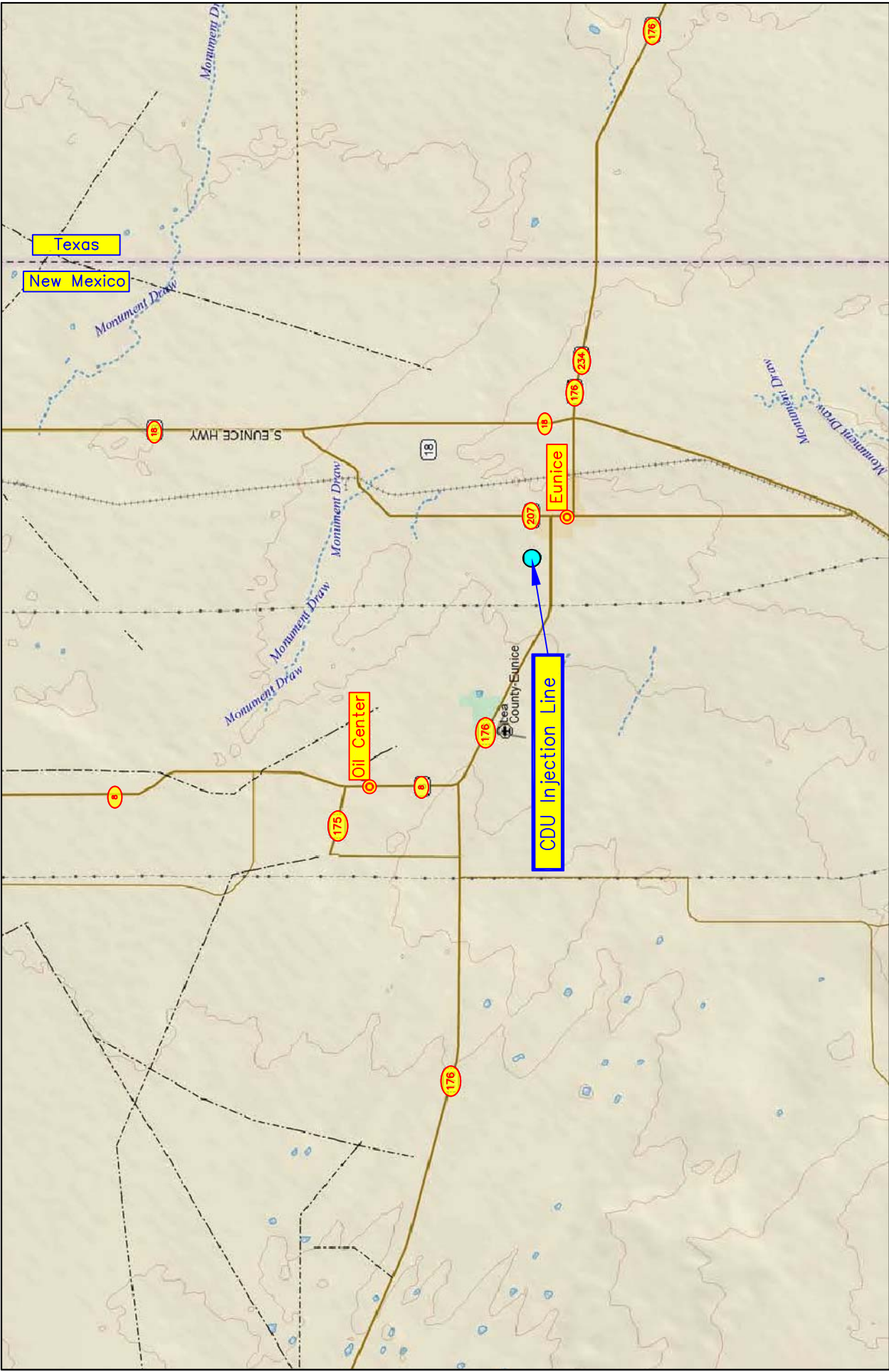
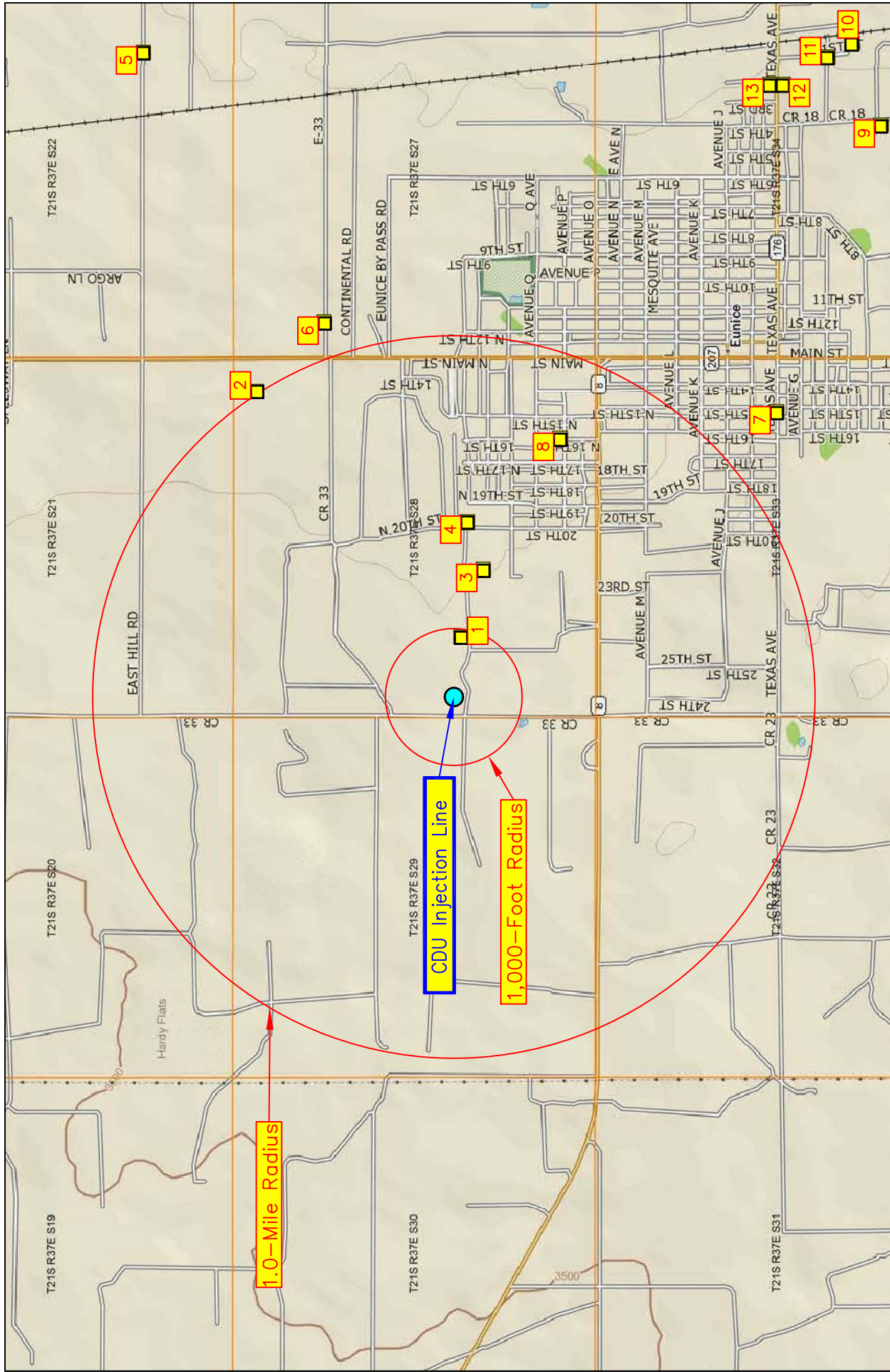


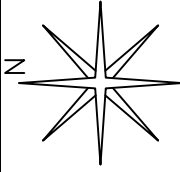

Figure 1 Area Map Chevron CDU Injection Line	Lea County, New Mexico NW 1/4 of SW 1/4, Sec. 28, T21S, R37E N 32° 26' 53.43" W 103° 10' 30.04" Elevation: 3,461 feet amsl	DWG By: D Dominguez October 2014	REVISED:	
		0 3 6  Miles	SHEET 1 of 1	



<p>Figure 2 Site Location Map Chevron CDU Injection Line</p>	<p>Lea County, New Mexico NW 1/4 of SW 1/4, Sec. 28, T21S, R37E N 32° 26' 53.43" W 103° 10' 30.04" Elevation: 3,461 feet amsl</p>	<p>DWG By: D Dominguez October 2014</p> <p>REVISED:</p> <p>0 2,000 4,000 Feet</p> <p>SHEET 1 of 1</p>
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LEGEND

Figure 3 Site Map Chevron CDU Injection Line	Lea County, New Mexico NW 1/4 of SW 1/4, Sec. 28, T21S, R37E N 32° 26' 53.43" W 103° 10' 30.04" Elevation: 3,461 feet amsl	DWG By: D Dominguez October 2014		REVISED:		
		 Feet		SHEET		
				1 of 1		

TABLES

TABLE 1

Well Data

Chevron - CDU Injection Line

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	CP 00322	DOM	3	MILLARD DECK			3	28	21S	37E	671818	3591366	10-Jun-66	3,453	73
2	CP 00711	DOM	3	FLOYD G. BLOCK	4	2	2	28	21S	37E	672900	3592291	02-Oct-87	3,432	65
3	CP 00749	DOM	3	D.M. CRISWELL	2	4	3	28	21S	37E	672118	3591271	22-Jun-90	3,449	75
4	CP 00965 POD1	DOM	1	BILLY THRASH	1	3	4	28	21S	37E	672332	3591346	10-Jan-08	3,442	60
5	CP 00881	DOM	3	RICHARD DON JONES		4	4	22	21S	37E	674402	3592824	07-Sep-99	3,402	53
6	CP 00736	DOM	3	RONALD K. WORDEN		3	1	27	21S	37E	673211	3591997	10-Sep-88	3,423	76
7	CP 00726	DOM	3	CLAYTON L. WOOTEN		2	4	33	21S	37E	672844	3589980	23-Feb-88	3,447	100
8	CP 01077 POD1	DOM	1	MARK VINSON	1	2	2	33	21S	37E	672710	3590940	12-Apr-12	3,436	45
9	CP 01358 POD1	MON	0	CONESTOGA ROVERS AND ASSOC	2	1	4	34	21S	37E	674134	3589539	10-Jul-14	3,417	48
10	CP 01358 POD2	MON	0	CONESTOGA ROVERS AND ASSOC	4	4	2	34	21S	37E	674497	3589676	10-Jul-14	3,396	29
11	CP 01358 POD3	MON	0	CONESTOGA ROVERS AND ASSOC	4	4	1	34	21S	37E	674433	3589782	10-Jul-14	3,401	32
12	CP 01358 POD4	MON	0	CONESTOGA ROVERS AND ASSOC	4	2	3	34	21S	37E	674306	3589974	10-Jul-14	3,407	40
13	CP 01358 POD5	MON	0	CONESTOGA ROVERS AND ASSOC	4	2	1	34	21S	37E	674305	3590035	10-Jul-14	3,406	41

* = 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.

DOM = 72-12-1 Domestic one household

MON = Monitoring Well

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

ATTACHMENTS

ATTACHMENT I
PHOTOGRAPHS



Photograph #1- Release point



Photograph #2- Looking across release area.



Photograph #3- Looking across release area.



Photograph #4- Looking across release area.



Photograph #5- Looking across release area.



Photograph #6- Looking across release area.



Photograph #7- Looking across release area.



Photograph #8- Looking across release area.

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

Information and Metrics	Incident Date: 9/8/14	NMOCD Notified: 9/9/14	
Site: CDU Injection Line		Assigned Site Reference #:	
Company: Chevron			
Street Address: 2401 Avenue 'O'			
Mailing Address:			
City, State, Zip: Eunice, NM 88231			
Representative: Stephen Gwin			
Representative Telephone: (575) 263-0427			
Telephone:			
Fluid volume released (bbls): ~17 bbls		Recovered (bbls): unknown	
<p align="center">>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)</p>			
<p align="center">5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)</p>			
Leak, Spill, or Pit (LSP) Name: CDU Injection Line			
Source of contamination: valve box			
Land Owner, i.e., BLM, ST, Fee, Other: Fee			
LSP Dimensions: ~375 feet by 932 feet			
LSP Area: ~80,200 ft ²			
Location of Reference Point (RP):			
Location distance and direction from RP:			
Latitude: N 32° 26' 53.43"			
Longitude: W 103° 10' 30.04"			
Elevation above mean sea level: 3,461 feet			
Feet from North Section Line:			
Feet from West Section Line:			
Location- Unit or 1/4: NW 1/4 of the SW 1/4		Unit Letter: L	
Location- Section: 28			
Location- Township: T21S			
Location- Range: R37E			
Surface water body within 1000' radius of site: none			
Domestic water wells within 1000' radius of site: one			
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): ~ 90'			
Depth of contamination (DC): unknown			
Depth to ground water (DG – DC = DtGW): ~ 90'			
1. Ground Water		2. Wellhead Protection Area	
If Depth to GW <50 feet: <i>20 points</i>		If <1000' from water source, or; <200' from private domestic water source: <i>20 points</i>	
If Depth to GW 50 to 99 feet: <i>10 points</i>		If >1000' from water source, or; >200' from private domestic water source: <i>0 points</i>	
If Depth to GW >100 feet: <i>0 points</i>			
Site Rank (1+2+3) = 10 + 10 + 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
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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report


Name of Company	Chevron USA	Contact	Stephen Gwin
Address	2401 Avenue O	Telephone No.	575-263-0427
Facility Name	Central Drinkard Unit	Facility Type	Injection Line
Surface Owner	John Coy	Mineral Owner	Turner Ranch
		API No.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	28	21	37 East					

Latitude 32.446791 Longitude -103.174051

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	17 BBLs	Volume Recovered	Unknown due to rain
Source of Release	Fiberglass collar malfunction on injection line.	Date and Hour of Occurrence	9/8/2014	Date and Hour of Discovery	9/8/2014 9:00 AM
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?	Stephen Gwin	Date and Hour 9/8/2014 3:00 PM			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			
If a Watercourse was Impacted, Describe Fully.*					
Describe Cause of Problem and Remedial Action Taken.* Fiberglass collar for valve box cracked causing the leak. Vacuum trucks were onsite the day of the event and removed liquids from the impacted area which was also included rain water from the heavy rains experienced that day					
Describe Area Affected and Cleanup Action Taken.* Heavy rainfall impacted initial cleanup efforts. Primary areas impacted include a 310 X 25ft. and a 650 X 2ft area. Vacuum trucks were onsite the day of the event and removed liquids from the impacted area which was also included rain water from the heavy rains experienced that day. Additional heavy rains have impacted the ability to assess the site. Third party contractors scheduled to assess the area and remove and replace soil where necessary.					
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: Stephen Gwin		Approved by Environmental Specialist:			
Title: HE Specialist		Approval Date:		Expiration Date:	
E-mail Address: Stephen.gwin@chevron.com		Conditions of Approval:		Attached <input type="checkbox"/>	
Date: 10/7/2014		Phone: 575-408-0073			

* Attach Additional Sheets If Necessary