HRL COMPLIANCE SOLUTIONS
P.O. Box 1708 • Artesia, NM 88211
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SITE CHARACTERIZATION AND CLOSURE REPORT

Property:

DEVON ENERGY CORPORATION
RIO BLANCO 4 CTB
LEA COUNTY, NEW MEXICO
SECTION 4, TOWNSHIP 23 SOUTH, RANGE 34 EAST
LATITUDE 32.334977° N, LONGITUDE 103.485458° W

RP # NOT YET ASSIGNED

SEPTEMBER 2019

Prepared For:

DEVON ENERGY CORPORATION
6488 SEVEN RIVERS HIGHWAY
ARTESIA, NM 88210
ATTN: **MS. AMANDA DAVIS**

Prepared By:

Natalie Gordon
Project Manager

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ACRONYM LIST

bbl(s)	barrel(s)
bgs	Feet below ground surface
BLM	Bureau of Land Management
CTB	Centralized Tank Battery
Devon	Devon Energy Production Company
EPA	U.S. Environmental Protection Agency
ft	feet
GPS	Global positioning system
HRL	HRL Compliance Solutions
NRCS	Natural Resources Conservation Service
NMAC	New Mexico Administrative Code
NM OCD	New Mexico Oil Conservation Division
NM OSE	New Mexico State Engineer's Office
USDA	United States Department of Agriculture
USGS	United States Geological Survey

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EXECUTIVE SUMMARY

HRL Compliance Solutions (HRL) was retained by Devon Energy Production Company (Devon) to conduct a site characterization assessment and liner inspection at the Rio Blanco 4 Central Tank Battery (CTB) on September 19, 2019. The objective of the site assessment was to determine if there are any indications of chloride and/or hydrocarbon impacts from the release that occurred due to an alarm failure on July 18, 2019. The objective of the liner inspection was to demonstrate continued liner integrity and verify that it remained intact and had the ability to contain the release in question. This report is also intended to serve as a final closure report to obtain approval from New Mexico Oil Conservation Division (NM OCD) for closure of the release.

OVERVIEW:

- A release occurred on July 18, 2019, due to an alarm failure which caused the tanks to overrun.
- An estimated 10 barrels (bbl) of oil and 277 bbls produced water were released into the lined secondary containment.
- The release was stopped and a hydrovac was brought in to recover free liquids. Ten bbl oil and 277 bbls produced water were recovered.
- Devon contacted HRL on July 19, 2019 to characterize the release, conduct a liner inspection and obtain closure from NM OCD.
- HRL conducted site characterization investigations and conducted a liner inspection on September 18, 2019 and the findings are presented in this closure report.

RECOMMENDATION:
Given the location of the release wholly within the lined secondary containment and the evaluation and discussion capture in Section 2.4 of this report, HRL recommends that no further action be taken regarding this release. Certification of the liner integrity on form C-141 and a closure report is hereby submitted to NM OCD to obtain closeout of the incident.

1.0 INTRODUCTION

1.1 RELEASE AND INITIAL RESPONSE

On July 18, 2019, a release at the Devon Energy Production Company (Devon) Rio Blanco 4 Central Tank Battery (CTB) occurred when an alarm failed, causing the tanks to overrun. This incident resulted in the release of ten barrels (bbls) of crude oil and 277 bbls of produced water into the tank battery lined secondary containment. A vacuum truck was brought on site and all free liquids were recovered. No oil or produced water was released outside of the secondary containment area.

Devon immediately notified representatives of the New Mexico Oil Conservation Division (NM OCD) District I and the Bureau of Land Management (BLM), which is the owner of the land. This notification was followed up with submission of an initial C-141 Release Notification to NM OCD District I on July 19, 2019. HRL Compliance Solutions (HRL) was contacted by Devon on July 19, 2019 to conduct a site assessment for the release at Rio Blanco CTB, as well as a liner inspection, and submit required documentation per 19.15.29 New Mexico Administrative Code (NMAC) regulations to obtain NM OCD closure of the incident.

1.2 PURPOSE OF REPORT

This report, which has been prepared for the exclusive use of Devon Energy Production Company, presents the methods and results of the environmental investigation (site characterization) conducted at Rio Blanco 4 CTB on September 19, 2019, by HRL. The objective of this site characterization report is to establish that remediation is complete, all applicable regulations are being followed, and to serve as a final closure report to obtain approval from NM OCD for closure of the release that occurred on July 18, 2019.

1.3 SCOPE AND LIMITATIONS

The scope of HRL's services consists of performing site characterization including a regional and local desktop review of potential receptors, verification of release stability, conducting a liner inspection, providing regulatory liaison, and preparation of this characterization report and recommendations associated with the incident specified therein. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

2.0 SITE CHARACTERIZATION

2.1 GENERAL SITE INFORMATION

The following information provides a brief outline of the site location and site conditions.

2.1.1 Site Location

The Rio Blanco 4 CTB is located on Federally-owned land on the west side of Section 4, Township 23 South, Range 34 East in Lea County (Figure 1). This location is within the Permian Basin in southeast New Mexico and has historically been used for oil and gas exploration and production, and range land.

2.1.2 Site Description

The Rio Blanco 4 CTB site is typical for oil and gas exploration and production sites in the western portion of the Permian Basin and southeast New Mexico, and it is currently used for oil and gas production and storage. This characterization report discusses an area on the pad within the tank battery secondary containment. The impacted area was underneath and around the ten oil and produced water tanks, all of which are inside a lined secondary containment on a two-foot thick, constructed pad.

The surrounding landscape is comprised of upland plain grass and shrub land with a semiarid climate and average annual precipitation ranging between 10 and 12 inches. Native vegetation is principally grama and dropseeds with sand sagebrush, shinnery oak, and scattered mesquite; grass cover is low and bare patches are evident (Soil Survey Staff, n.d.). Limited vegetation is allowed to grow on the compacted production pad and no vegetation grows within the secondary containment.

2.1.3 Topography

The Rio Blanco 4 CTB is located at an elevation of approximately 3,424 feet above sea level on flat upland plains with typically a 0-3 percent slope.

2.1.4 Geology

According to the United States Department of Agriculture (USDA) Web Soil Survey, the majority surface soil geology at Rio Blanco 4 CTB site is Pyote and maljamar fine sands, which consists of fine sand and sandy clay loam over a cemented material. The soil tends to be well-drained with low runoff and low moisture levels in the soil profile. There is no karst geology present near Rio Blanco CTB and as such, this site is not subject to the requirements of Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

2.1.5 Surface Water

There is no surface water located at the Rio Blanco 4 CTB site. Based on USGS National Hydrology Maps, the nearest significant watercourse as defined in Subsection P of 19.15.17.7 NMAC is an intermittent stream located 6.3 miles south-southeast of the tank battery (Figure 2).

2.1.6 Groundwater

Using the NM Office of the State Engineer (NM OSE) Water Column Report, depth to groundwater is estimated to be an average of 226 feet below ground surface (bgs) based on eight groundwater wells located within a 2-mile radius around the release location (Figure 3). The minimum depth to groundwater in the area is 20 ft bgs, based on a 2012 groundwater well approximately 1.2 miles west-southwest of the release location. The well registering a 20ft depth to groundwater appears to be an anomaly in this location and is not indicative of true depth to groundwater levels in this region of New Mexico. As a result, the minimum depth to groundwater that was used to determine closure criteria for this release was based off the next shallowest groundwater well in the area – a 2017 groundwater well located just shy of 1.2 miles west-southwest of the release location with a depth to groundwater of 200 ft bgs. See Appendix A for information pertaining to the depth to groundwater determination.

2.1.7 Known Water Sources

There are no known water sources within a half mile of the release as demonstrated in Section 2.1.6 of this report and shown in Figure 3. There are no continuously flowing watercourses or significant watercourses, nor any lakebeds, sinkholes, playa lakes, or other critical water or community features as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

2.1.8 Oil and Gas Production/Transfer/Storage Equipment

The release occurred within the westernmost tank battery secondary containment at the Rio Blanco 4 CTB site. Within this secondary containment structure, there are a total of six tanks for oil and produced water storage and various related flowlines and equipment. To the east and south of this secondary containment are six separators, two heater treaters, a flare and multiple surface lines carrying material two and from the tank battery and various equipment, and bringing material from off-site wells. Approximately 150 feet to the east of the tank battery where the release occurred, there is a second tank battery containing a total of four produced water and oil tanks within its own secondary containment. All of the equipment and containment structures are located on a single large pad directly adjacent a north-south access road. None of the equipment outside of the western tank battery secondary containment structure was affected by the July 18, 2019 release.

2.2 INVESTIGATION METHODS

The following information discusses the actions performed at Rio Blanco 4 CTB as part of the evaluation and liner inspection conducted on September 19, 2019.

2.2.1 Soil Sampling Procedures

No soil sampling was conducted at Rio Blanco 4 CTB following vacuum removal of the free liquids because the release was contained within the lined secondary containment where there is no soil.

2.2.2 Liner Inspection and Verification

HRL conducted a visual liner inspection on September 19, 2019. Following appropriate notice to the NM OCD District I office, the liner was visually inspected for cracks, tears, cuts, and other signs of damage to verify that the liner remained intact and had the ability to contain the release, as required by Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC.

2.3 EVALUATION OF DATA AND DISCUSSION

This section presents investigation results and evaluates the results in respect to NM OCD site characterization and liner inspection requirements and/or guidelines.

2.3.1 Rio Blanco 4 CTB

The site assessment and liner inspection conducted on September 19, 2019 was conducted under NM OCD guidance found in Subparagraph (a) of Paragraph (5) of Subsection A in 19.15.29.11 NMAC. The inspection confirmed that the spill was contained within the secondary containment and it revealed no damage or integrity issues with the secondary containment liner. No free liquids remained in the lined secondary containment area and there were no indications of adverse conditions on or near the site.

3.0 RISK ASSESSMENT

3.1 POTENTIAL RECEPTOR EVALUATION

No potential receptors were identified either on- or off-site based on the following findings.

3.1.1 Human Receptors

There are ongoing oil and gas production operations at the site. Current contamination levels, if any, do not pose a threat to human health so long as existing company health and safety guidelines are followed by site personnel. There is no threat to human health for offsite human receptors due to the fact the release was entirely contained within the secondary containment.

3.1.2 Ecological Receptors

There are no ecological receptors identified which may be threatened by the release that occurred within the secondary containment. Ecological receptors include invertebrates, wildlife, and freshwater aquatic life. Offsite, there are no ecological receptors identified which may be threatened by the minimal presence of hydrocarbons and chlorides that may be present within the lined secondary containment of this tank battery.

3.1.3 Wells and Surface Water

There are no potable wells, non-potable wells, or surface water bodies, onsite nor offsite, that are close enough to be adversely affected by this release (Figure 3). Groundwater is at a significant depth below ground surface such that it is not expected to be affected by any hydrocarbons or chlorides currently remaining in the secondary containment from this release.

4.0 REMEDIATION ASSESSMENT

4.1 REMEDIATION DRIVERS AND CLEANUP OBJECTIVES

Clear remediation drivers and objectives are required to establish the framework within which potential remedial technologies are evaluated and compared. The remediation driver for this site is compliance with NM OCD regulations and directives to ensure proper cleanup at the Rio Blanco 4 CTB location. Cleanup objectives are chemical and media-specific goals that are protective of human health and the environment and must be achieved to meet regulatory requirements outlined in Table I in 19.15.29 NMAC.

4.2 RECOMMENDATION

Given the location of the spill, the producer's immediate removal of free liquids from the secondary containment following the release, and based on the success of the liner verification, HRL recommends no additional remediation action to address this release. The presence of any contaminants of concern at the site resulting from the above-referenced release are wholly contained within the lined secondary containment and cannot migrate off site. There are no anticipated risks to human, ecological, or hydrological receptors at the Rio Blanco 4 CTB location.

5.0 CLOSURE

Due to the reasons outlined in Section 4.2 above, HRL recommends that this incident (RP # not yet assigned) be closed. All liner certification requirements as set forth in Subsection A of 19.15.29.12 NMAC and any closure requirements set forth in Subsection E of 10.15.29.12 have been met. Photos included in Appendix B of this report demonstrate the liner certification assertions. Devon Energy Production Company certifies that all information in this report and the attachments is correct and that Devon has complied with all applicable closure requirements and conditions specified in Division rules and directives to meet NM OCD requirements to obtain closure on the release at Rio Blanco 4 CTB.

6.0 REFERENCES

Geological Survey Staff, United States Geological Survey, U.S. Department of the Interior. Groundwater for New Mexico: Water Levels. Available online at: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels. Accessed [09/18/2019].

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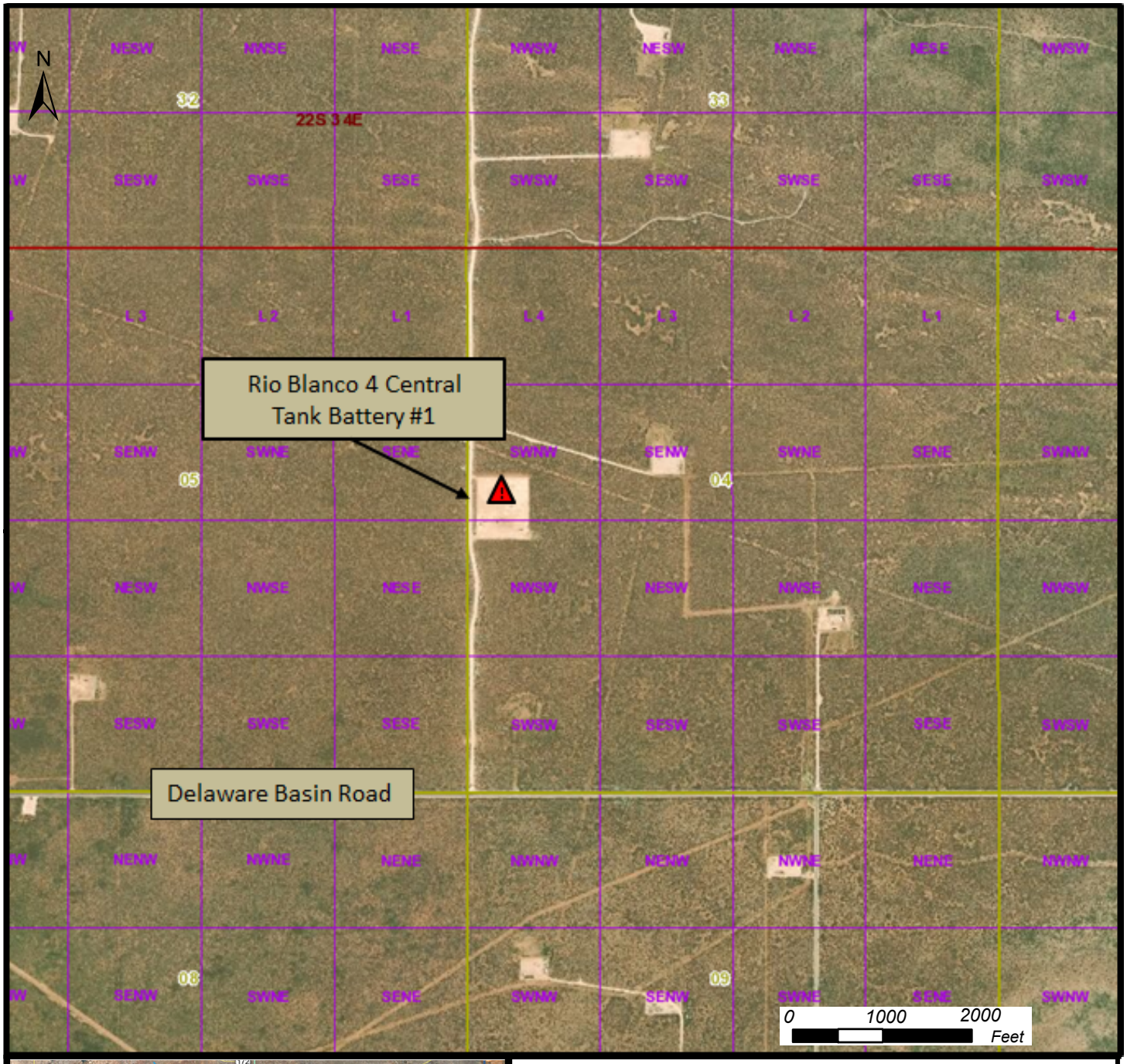
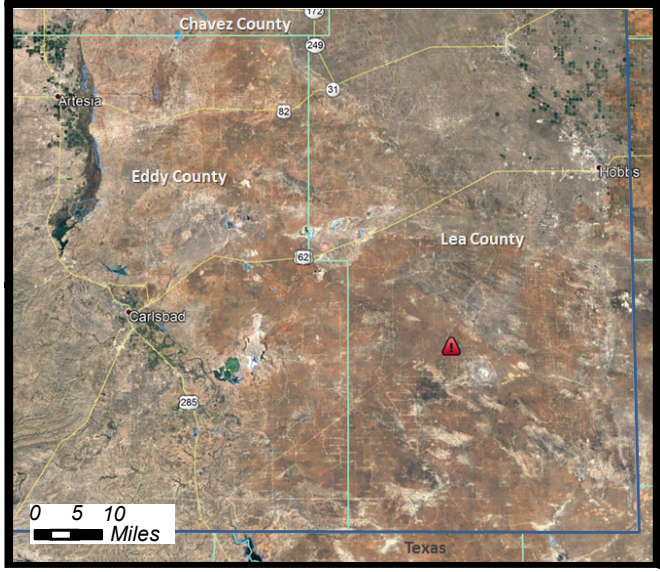
Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Web Soil Survey. Available online at the following link: https://websoilsurvey.sc.egov.usda.gov/. Accessed [07/26/2019].

State Engineer, New Mexico Office of the State Engineer. New Mexico Water Rights Reporting System. Available online at http://nmwrrs.ose.state.nm.us/waterColumn.html. Accessed [09/18/2019].





devon

Figure 1

Site Location Map

Rio Blanco 4 Central Tank Battery

32.33451 -103.4825

Section 4 Township 23 South, Range 34 East

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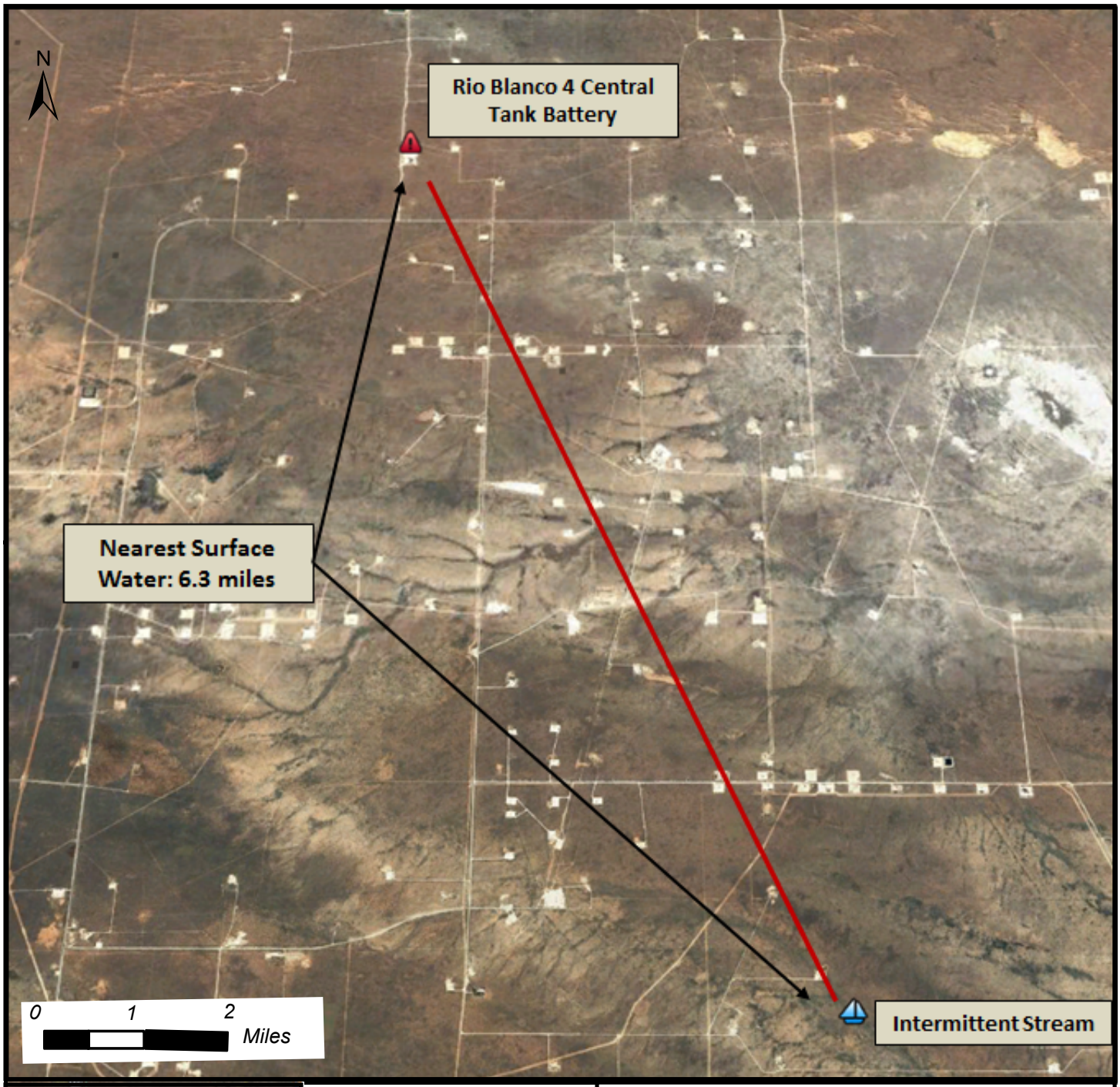
Author:	N. Gordon
Revision:	0
Date:	09/18/2019



Mapped Features

Release Location

Surface Water

devon

Figure 2

Nearest Surface Water

Rio Blanco 4 Central Tank Battery

32.33451 -103.4825

Section 4, Township 23 South, Range 34 East

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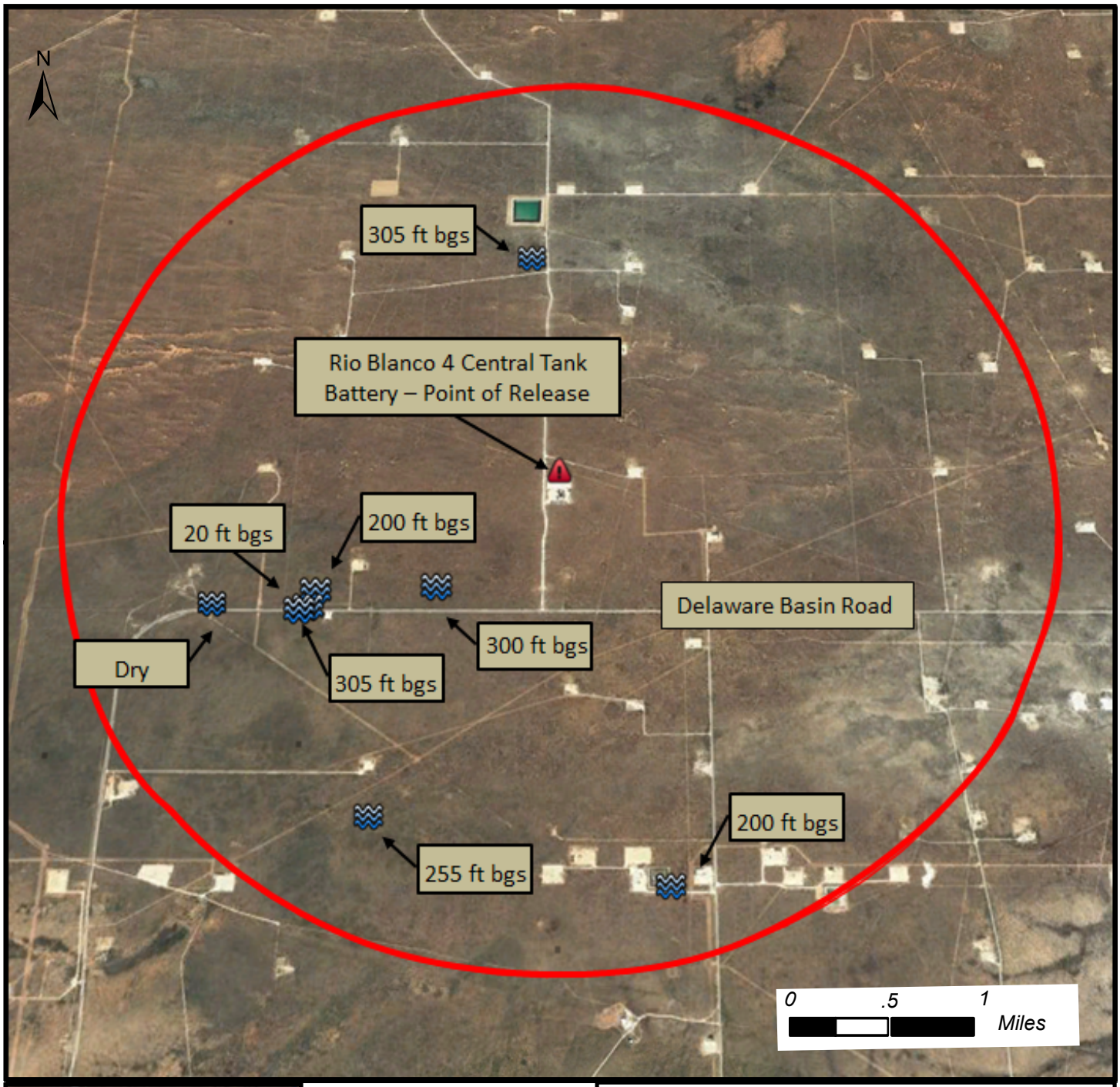
Author:	*N. Gordon*
Revision:	*0*
Date:	*09/18/2019*



Mapped Features

- Release Location
- Groundwater Well
- 2-mile radius

devon

Figure 3

Nearest Groundwater Wells and Depth to Groundwater

Rio Blanco 4 Central Tank Battery

32.33451 -103.4825

Section 4, Township 23 South, Range 34 East

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Author:	N. Gordon
Revision:	0
Date:	09/18/2019

Appendix A: Depth to Groundwater Analysis

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	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01502 POD2		CP	LE	4	3	3	05	23S	34E	642074	3577676	1131	680	300	380
CP 01705 POD1		CP	LE	4	4	2	32	22S	34E	642588	3580179	1669	700	305	395
CP 01502 POD1		CP	LE	4	3	3	05	23S	34E	641316	3577635	1749	648	200	448
CP 01075 POD1		CP	LE	1	1	1	08	23S	34E	641278	3577525	1839	430	20	410
CP 00872 POD1		CP	LE	1	1	1	08	23S	34E	641225	3577504*	1896	494	305	189

Average Depth to Water: **226 feet**
Minimum Depth: **20 feet**
Maximum Depth: **305 feet**

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 642822.18 **Northing (Y):** 3578526.17 **Radius:** 2000

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

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	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01502 POD2		CP	LE	4	3	3	05	23S	34E	642074	3577676	1131	680	300	380
CP 01705 POD1		CP	LE	4	4	2	32	22S	34E	642588	3580179	1669	700	305	395
CP 01502 POD1		CP	LE	4	3	3	05	23S	34E	641316	3577635	1749	648	200	448
CP 01075 POD1		CP	LE	1	1	1	08	23S	34E	641278	3577525	1839	430	20	410
CP 00872 POD1		CP	LE	1	1	1	08	23S	34E	641225	3577504*	1896	494	305	189
CP 01130 POD2		CP	LE	2	1	2	07	23S	34E	640674	3577549	2359	27		
CP 01130 POD1		CP	LE	2	1	2	07	23S	34E	640662	3577558	2366	27		
CP 00556 POD1		CP	LE	4	4	3	08	23S	34E	641762	3576206	2550	497	255	242
CP 01730 POD1		CP	LE	2	2	1	16	23S	34E	643549	3575824	2797	594	200	394
E 07616 POD1		E	TO							646466	3576970	3962	500	300	200
CP 00637		CP	LE	3	3	4	15	23S	34E	645293	3574541*	4688	430	430	0
CP 00865 POD1		CP	LE	2	2	3	20	22S	34E	641845	3583118	4695	885	605	280

Average Depth to Water: **292 feet**
Minimum Depth: **20 feet**
Maximum Depth: **605 feet**

Record Count: 12

UTMNAD83 Radius Search (in meters):

Easting (X): 642822.18 **Northing (Y):** 3578526.17 **Radius:** 5000

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

9/18/19 1:30 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

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	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01502 POD2		CP	LE	4	3	3	05	23S	34E	642074	3577676	1131	680	300	380
CP 01705 POD1		CP	LE	4	4	2	32	22S	34E	642588	3580179	1669	700	305	395
CP 01502 POD1		CP	LE	4	3	3	05	23S	34E	641316	3577635	1749	648	200	448
CP 01075 POD1		CP	LE	1	1	1	08	23S	34E	641278	3577525	1839	430	20	410
CP 00872 POD1		CP	LE	1	1	1	08	23S	34E	641225	3577504*	1896	494	305	189
CP 01130 POD2		CP	LE	2	1	2	07	23S	34E	640674	3577549	2359	27		
CP 01130 POD1		CP	LE	2	1	2	07	23S	34E	640662	3577558	2366	27		
CP 00556 POD1		CP	LE	4	4	3	08	23S	34E	641762	3576206	2550	497	255	242
CP 01730 POD1		CP	LE	2	2	1	16	23S	34E	643549	3575824	2797	594	200	394
E 07616 POD1		E	TO							646466	3576970	3962	500	300	200
CP 00637		CP	LE	3	3	4	15	23S	34E	645293	3574541*	4688	430	430	0
CP 00865 POD1		CP	LE	2	2	3	20	22S	34E	641845	3583118	4695	885	605	280
CP 01120 POD1		CP	LE			3	14	23S	34E	646366	3574753	5176	397	318	79
CP 00704		CP	LE		2	4	22	22S	34E	645681	3583097*	5391	600		
CP 01258 POD1		CP	LE	1	4	3	22	23S	34E	645015	3573221	5739	25		
CP 00618		CP	LE	1	2	4	22	23S	34E	645713	3573539*	5764	428	295	133
CP 01258 POD3		CP	LE	1	4	3	22	23S	34E	644938	3573097	5826	25		
CP 01362 POD1		CP	LE	3	4	4	18	22S	34E	640809	3584182	6004	1032	613	419
CP 00606		CP	LE		4	1	23	23S	34E	646613	3573854*	6016	650	265	385
CP 01258 POD2		CP	LE	1	4	3	22	23S	34E	644941	3572883	6027	65		
CP 00598 POD1		CP	LE		4	1	23	22S	34E	646480	3583511*	6182	70		
CP 01455 POD1		CP	LE	4	1	4	18	22S	34E	640574	3584515	6397	1033	615	418
CP 01718 POD1		CP	LE	2	3	3	24	22S	34E	647700	3582811	6492	1172	855	317
CP 01722 POD1		CP	LE	4	4	2	18	22S	34E	640964	3584949	6687	1122	785	337
CP 00580		CP	LE	3	4	3	23	23S	34E	646524	3572948*	6694	220		
C 03582 POD1		C	LE	4	1	1	14	23S	33E	636583	3575666	6863	590		
CP 01723 POD1		CP	LE	4	4	1	18	22S	34E	640117	3584905	6928	1140	785	355
CP 01721 POD1		CP	LE	4	2	1	18	22S	34E	640181	3585244	7219	1108	820	288
CP 01725 POD1		CP	LE	1	2	1	18	22S	34E	639914	3585521	7575	1137	800	337
CP 00592 POD1		CP	ED		3	2	13	22S	33E	638834	3585015*	7616	427		
C 02282		CUB	LE	3	1	1	25	23S	33E	638098	3572436*	7707	325	225	100
CP 00622		CP	LE	3	4	2	14	22S	34E	647164	3585030*	7819			
C 02283		CUB	LE	4	2	2	26	23S	33E	637896	3572431*	7836	325	225	100

CP 01720 POD1	CP	LE	1	3	2	08	22S	34E	642003	3586723	8237	1190	824	366
C 02284	CUB	LE	4	2	4	26	23S	33E	637907	3571626*	8471	325	225	100
CP 00597 POD1	CP	LE		2	2	08	22S	34E	642410	3587074*	8557	35		
CP 00744	CP	LE		1	2	09	22S	34E	643618	3587091*	8601	460		
C 03620 POD1	CUB	LE	1	4	3	32	23S	34E	641790	3569941	8646	480	130	350
C 02386	CUB	LE	4	1	2	04	24S	34E	643962	3569290*	9306	575	475	100
C 02397	CUB	LE	4	1	2	04	24S	34E	643962	3569290*	9306	575	475	100
CP 00380	CP	LE		4	2	11	22S	34E	647245	3586739*	9328	45	30	15
CP 00596 POD1	CP	LE		4	2	11	22S	34E	647245	3586739*	9328	50		
CP 00751	CP	LE		4	2	11	22S	34E	647245	3586739*	9328		45	
C 03932 POD3	CUB	LE	4	3	2	05	24S	34E	642442	3568787	9745	100		
CP 00599 POD1	CP	LE		1	1	12	22S	34E	647642	3587147*	9876	62	50	12
CP 00933	CP	LE	1	1	1	12	22S	34E	647541	3587246*	9914	60		
CP 00944 POD1	CP	LE		3	1	03	22S	34E	644531	3588351	9972	109	70	39

Average Depth to Water: **382 feet**

Minimum Depth: **20 feet**

Maximum Depth: **855 feet**

Record Count: 47

UTMNAD83 Radius Search (in meters):

Easting (X): 642822.18 **Northing (Y):** 3578526.17 **Radius:** 10000

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

9/18/19 1:30 PM WATER COLUMN/ AVERAGE DEPTH TO WATER

Appendix B: Photographs


CRUDE OIL (SWEET)
09/19/2019


09/19/2019


09/19/2019


DANGER
CONFINED SPACE
09/19/2019


DANGER
CONFINED SPACE
09/19/2019


09/19/2019


DANGER
CONFINED SPACE
09/19/2019


09/19/2019


DANGER
CONFINED SPACE
09/19/2019


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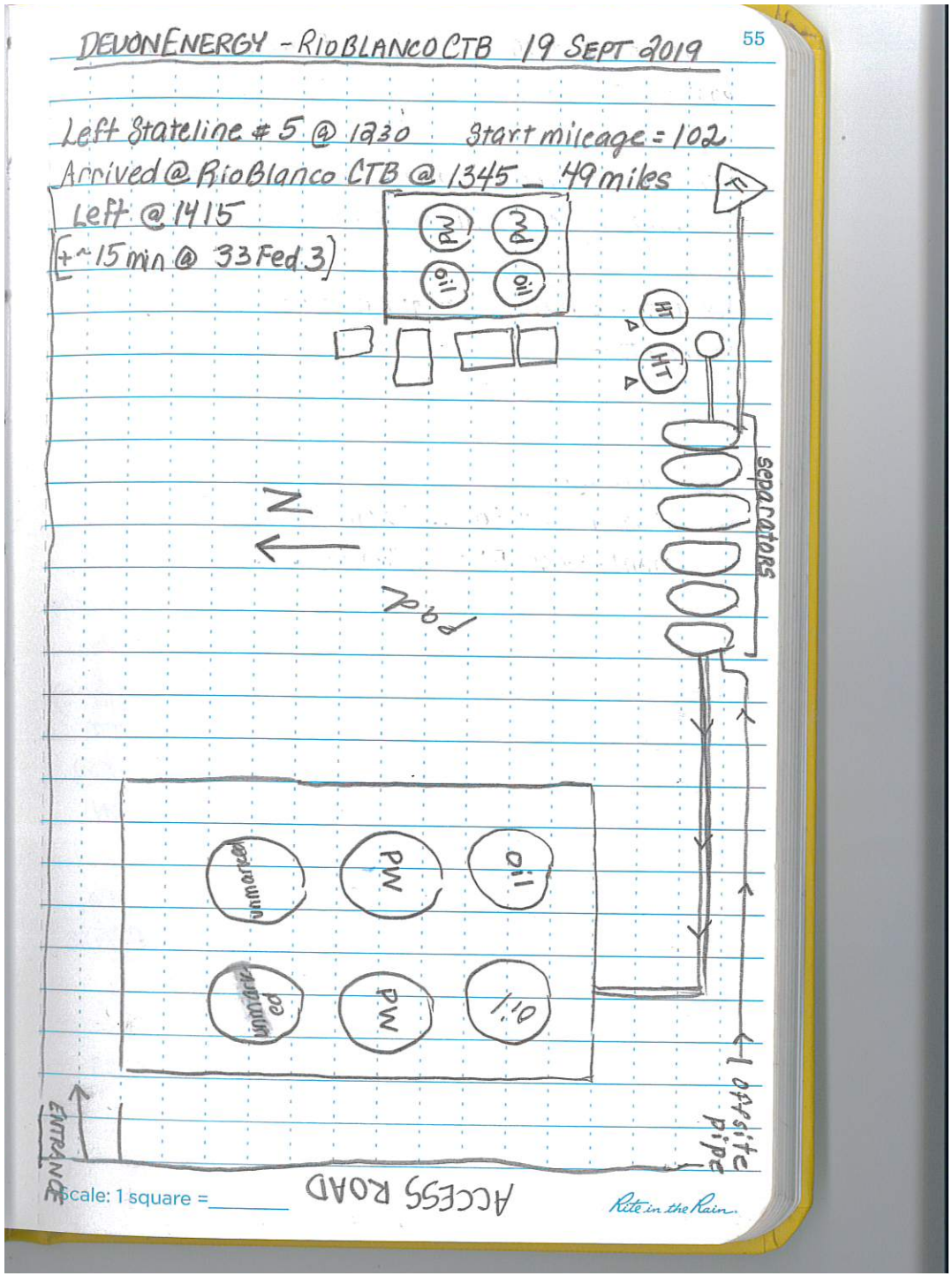
Appendix C: Field Notes


DEVON ENERGY - RIO BLANCO CTB 19 SEPT 2019
55
Left Stateline # 5 @ 1230 Start mileage = 102
Arrived @ Rio Blanco CTB @ 1345 _ 49 miles
Left @ 1415
(+~15 min @ 33 Fed 3)
PW
oil
oil
HT
HT
separators
N
Pad
unmarked
PW
oil
unmarked
PW
oil
1 opposite pipe
ENTRANCE
ACCESS ROAD
Scale: 1 square = _____
Rite in the Rain

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Amanda T. Davis	Contact Telephone 575-748-0176
Contact email amanda.davis@dvn.com	Incident # *(assigned by OCD)*
Contact mailing address 6488 Seven Rivers HWY	

Location of Release Source

Latitude 32.334540 Longitude -103-482529
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Rio Blanco 4 CTB 1	Site Type Oil
Date Release Discovered 7/18/2019	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
E	4	23S	34E	Lea

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) 10	Volume Recovered (bbls) 10
■ Produced Water	Volume Released (bbls) 277	Volume Recovered (bbls) 277
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Water tanks ran over due to transfer pumps being down. All fluid stayed in lined containment. Spill area 120'x90'x2".

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State of New Mexico
Oil Conservation Division

Incident ID	
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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: Kendra DeHoyos Title: EHS Associate

Signature: Kendra DeHoyos Date: 7/19/2019

email: kendra.dehoyos@dvn.com Telephone: 575-748-3371

OCD Only

Received by: _____ Date: _____

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State of New Mexico
Oil Conservation Division

Incident ID	NAB1905150506
District RP	
Facility ID	
Application ID	

Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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.

Printed Name: Lupe Carrasco Title: _____

Signature: *Lupe Carrasco* Date: 3/23/20

email: Lupe.Carrasco@dvn.com Telephone: 575-725-0787

OCD Only

Received by: Cristina Eads Date: 04/09/2020

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: 05/08/2020

Printed Name: Cristina Eads Title: Environmental Specialist