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	NCS1927548967
District RP	3RP-13666
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Harvest Midstream Company	OGRID
Contact Name Kijun Hong	Contact Telephone 505-632-4475
Contact email khong@harvestmidstream.com	Incident # *(assigned by OCD)*
Contact mailing address 1755 Arroyo Dr., Bloomfield, NM 87413	NCS1927548967

Location of Release Source

Latitude 36.68536 Longitude -107.40181
(NAD 83 in decimal degrees to 5 decimal places)

Site Name El Cedro Tank Battery	Site Type Tank Battery
Date Release Discovered 6/21/2019	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
F	31	29N	5W	Rio Arriba

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name:* Gomez Family Property, LLC)

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)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☒ Condensate	Volume Released (bbls) > 25 bbls historic	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
Historic tank leak encountered during site work.

State of New Mexico
Oil Conservation Division

Incident ID	
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? *> 25 barrels - based on visual observations and excavation work.*
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? by email from Kijun Hong on June 21, 2019, to Cory Smith and Jim Griswold NMOCD	

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:

Excavation and disposal of PCS started on June 26, 2019 and continues to date - 2 confirmation sampling events have been conducted with results submitted to NMOCD on 8/22/19 and 9/4/19. To date, approximately 18,000 cy of soil have been transported to Industrial Ecosystems, Inc. (IEI) for disposal.

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: Kijun Hong Title: Environmental Specialist

Signature: Date: 9/13/2019

email: khong@harvestmidstream.com Telephone: 505-632-4475

OCD Only

Received by: OCD Date: 10/2/19

State of New Mexico
Oil Conservation Division

Incident ID	
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?	~60 (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.

State of New Mexico
Oil Conservation Division

Incident ID	
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: Kijun Hong Title: Environmental Specialist

Signature: Date: 9/13/2019

email: khong@harvestmidstream.com Telephone: 505-632-4475

OCD Only

Received by: Date:

NMOCD Site Assessment/Characterization, Remediation & Closure

Site Name:	**El Cedro Tank Battery**
API #:	not applicable
Lat/Long:	36.68536 -107.40181
TRS:	SE/NW-31-29N-5W
Land Jurisdiction:	Private
County:	Rio Arriba
Determination made by:	DR
Date:	8/15/2019

Wellhead Protection Area Assessment:

Determine the horizontal distance from all known water sources within 1/2 mile of the release including private and domestic water sources. Water sources are wells, springs or other sources of fresh water extraction. Private and domestic water sources are those water sources used by less than five households for domestic or stock purposes. (NMAC 19.15.29.11A.3)

Water Source Type (well/spring/stock pond)	ID (if available)	Latitude	Longitude	Distance
NMOSE registered water well	SJ 00974	36.68491	-107.40277	0.03 mi
NMOSE registered water wells	SJ 00056/SJ 00057	36.68485	-107.39775	0.22 mi
NMOSE registered water well	SJ 00973	36.68675	-107.40673	0.28 mi
NMOSE registered water well	SJ 00422	36.68586	-107.39441	0.40 mi
stock pond		36.68231	-107.39933	0.25 mi

Distance to Nearest Significant Watercourse (NMAC 19.15.29.11A.4)

Gobernador Canyon Wash is 120 ft north

Depth to Groundwater Determination (NMAC 19.15.29.11A.2)

Cathodic Report/Site Specific Hydrogeology	none available
Elevation Differential	approximately 10' higher than Gobernador Canyon Wash
Water Wells	60' to water according to SJ 00056 well record
Cathodic Report Nearby Wells	none available for nearby wells

Sensitive Receptor Determination

If a release occurs within the following areas, the RP must treat the release as if it occurred less than 50 ft to Groundwater (NMAC 19.15.29.12C.4):	Yes	No
<300' of any continuously flowing watercourse or any other significant watercourse	☑	☐
<200' of any lakebed, sinkhole or playa lake (measured from the Ordinary High Water Mark)	☐	☑
<300' of an occupied permanent residence, school, hospital, institution or church	☐	☑
<500' of a spring or private/domestic water well used by <5 households for domestic or stock watering purposes	☐	☑
<1000' of any water well or spring	☑	☐
within incorporated municipal boundaries or within a defined municipal fresh water well field	☐	☑
<300' of a wetland	☐	☑
within the area overlying a subsurface mine	☐	☑
within an unstable area	☐	☑
within a 100-year floodplain	☐	☑

Explain any 'Yes' Marks:

"YES" marks: Gobernador Canyon Wash is 120 ft north. Water well SJ 00974 is approximately 150 ft distant. "No" marks: Site is within 80' of a 100-year floodplain.

Actual Depth to Groundwater is: ≤50 ☐ 50-100 ☑ >100 ☐

Treat Depth to Groundwater as if it's ≤ 50 ft? Yes ☑ No ☐

	≤50	50-100	>100
Release Action Levels are... Benzene	**10**	**10**	**10**
BTEX (mg/kg)	**50**	**50**	**50**
8015 TPH (GRO/DRO) (mg/kg)	**Not Applicable**	**1,000**	**1,000**
8015 TPH (GRO/DRO/MRO) (mg/kg)	**100**	**2,500**	**2,500**
Chlorides (mg/kg)	**600**	**10,000**	**20,000**

NMAC 19.15.29.12 Table I. Release Action Levels are determined by the depth below bottom of pit to groundwater.

New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum)

(R=POD has been replaced and no longer serves this file, C=the file is closed)

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

(NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Well Tag	Code	Grant	Source	q 64	q 16	q 4	Sec	Twn	Rng	X	Y	Distance
SJ 00974	SJ	EXP	0	NORTHWEST PIPELINE CORPORATION	RA	SJ 00974 1-EXPLORE					1	4	1	31	29N	05W	285357	4062608*	64
					RA	SJ 00974 EXPLORE					1	4	1	31	29N	05W	285357	4062608*	64
SJ 00056	SJ	DOM	0	EL PASO NATURAL GAS COMPANY	RA	SJ 00056				Shallow	1	3	2	31	29N	05W	285759	4062596*	361
SJ 00057	SJ	DOM	0	EL PASO NATURAL GAS COMPANY	RA	SJ 00057				Shallow	1	3	2	31	29N	05W	285759	4062596*	361
SJ 00973	SJ	EXP	0	NORTHWEST PIPELINE CORPORATION	RA	SJ 00973 1-EXPLORE					3	1	1	31	29N	05W	284964	4062821*	468
					RA	SJ 00973 EXPLORE					3	1	1	31	29N	05W	284964	4062821*	468
SJ 00422	SJ	DOM	3	LARRY R. MCKAY	RA	SJ 00422				Shallow			2	31	29N	05W	286061	4062698*	660

Record Count: 7

UTMNAD83 Radius Search (in meters):

Easting (X): 285402 **Northing (Y):** 4062654 **Radius:** 805

TRN 221728

Governador Water Well #10

(This form is to be executed in triplicate)

WELL RECORD

21-12

Date of Receipt April 12, 1955 Permit No. Misc. 1-XX-12

Name of permitee, El Paso Natural Gas Company

Street or P. O. P. O. Box 1492, City and State El Paso, Texas

1. Well location and description: The shallow (shallow or artesian) well is located in NW ¼, SW ¼, NE ¼ of Section 31, Township 29N, Range 5W; Elevation of top of casing above sea level, 6444 feet; diameter of hole, 8 inches; total depth, 142 feet; depth to water upon completion, 142 feet; drilling was commenced 9-17-54, 19..., and completed 9-24-54, 19...; name of drilling contractor Conley Cox Box 785; Address, Aztec, New Mexico; Driller's License No. 85-0106595

2. Principal Water-bearing Strata:

	Depth in Feet From	To	Thickness	Description of Water-bearing Formation
No. 1	60	65	5	
No. 2				
No. 3				
No. 4				
No. 5				

3. Casing Record:

Diameter in inches	Pounds per ft.	Threads per inch	Depth of Casing or Liner Top	Bottom	Feet of Casing	Type of Shoe	Perforation From	To
8-5/8	35						50	65

4. If above construction replaces old well to be abandoned, give location: ..... ¼, ... ¼, ... ¼ of Section ....., Township ....., Range .....; name and address of plugging contractor,

.....

.....

date of plugging ....., 19.....; describe how well was plugged: .....

.....

.....

.....

STATE ENGINEER SANTA FE, N. M.
RECEIVED
APR 12 1955
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

5. Log of Well:

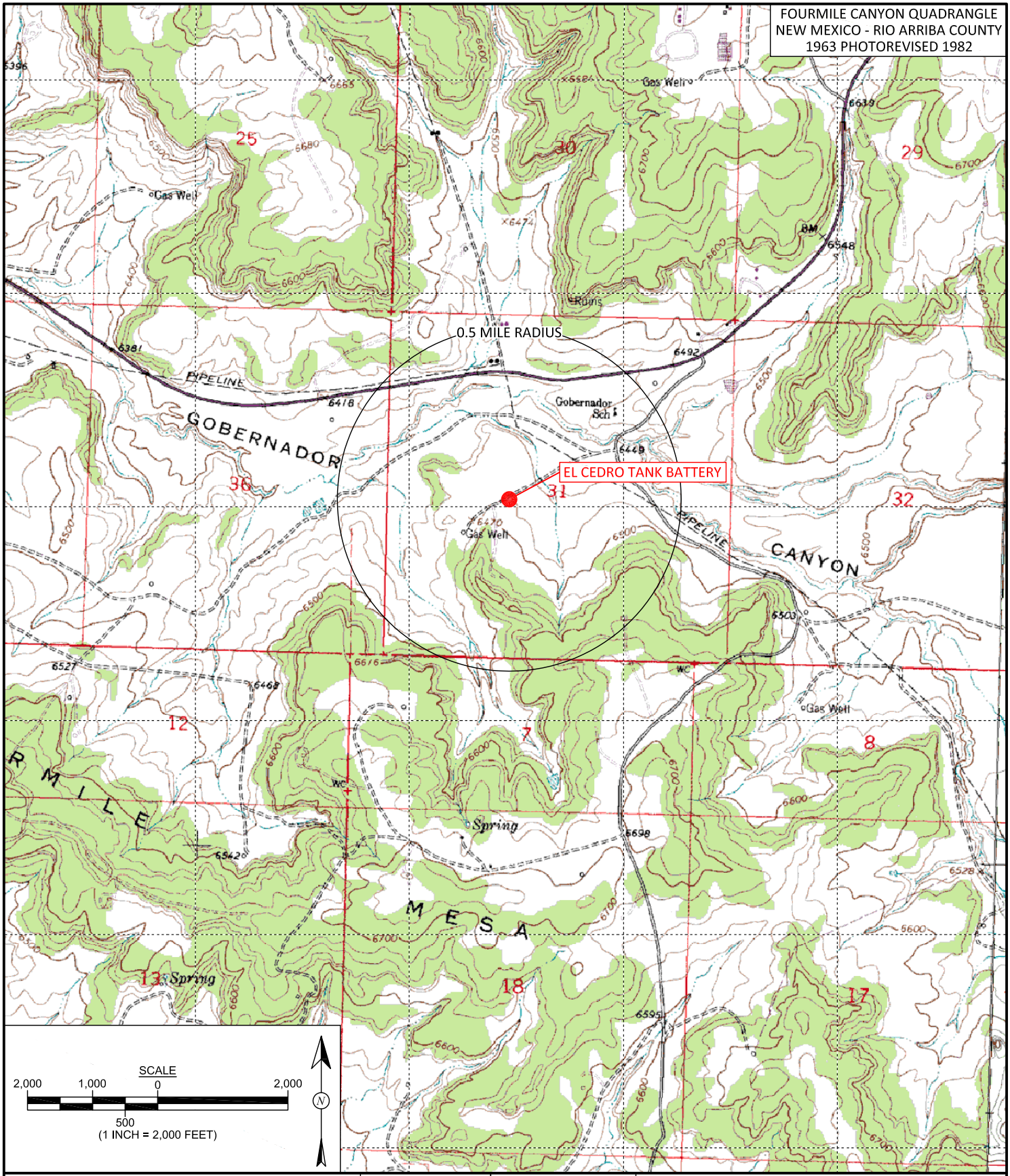
Depth in Feet From	Depth in Feet To	Thickness in feet	Description of Formation
0	10	10	Top soil
10	60	50	Sandstone
60	65	5	Water Sand
65	142	77	Sandstone

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

.....
Licensed Well Driller

Instructions

This form shall be executed, preferably typewritten, in triplicate and filed with the State Engineer's Office at Roswell, New Mexico, within 10 days after drilling has been completed. Data on water-bearing strata and on all formations encountered should be as complete and accurate as possible.



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Farmington, NM • Durango, CO
animasenvironmental.com

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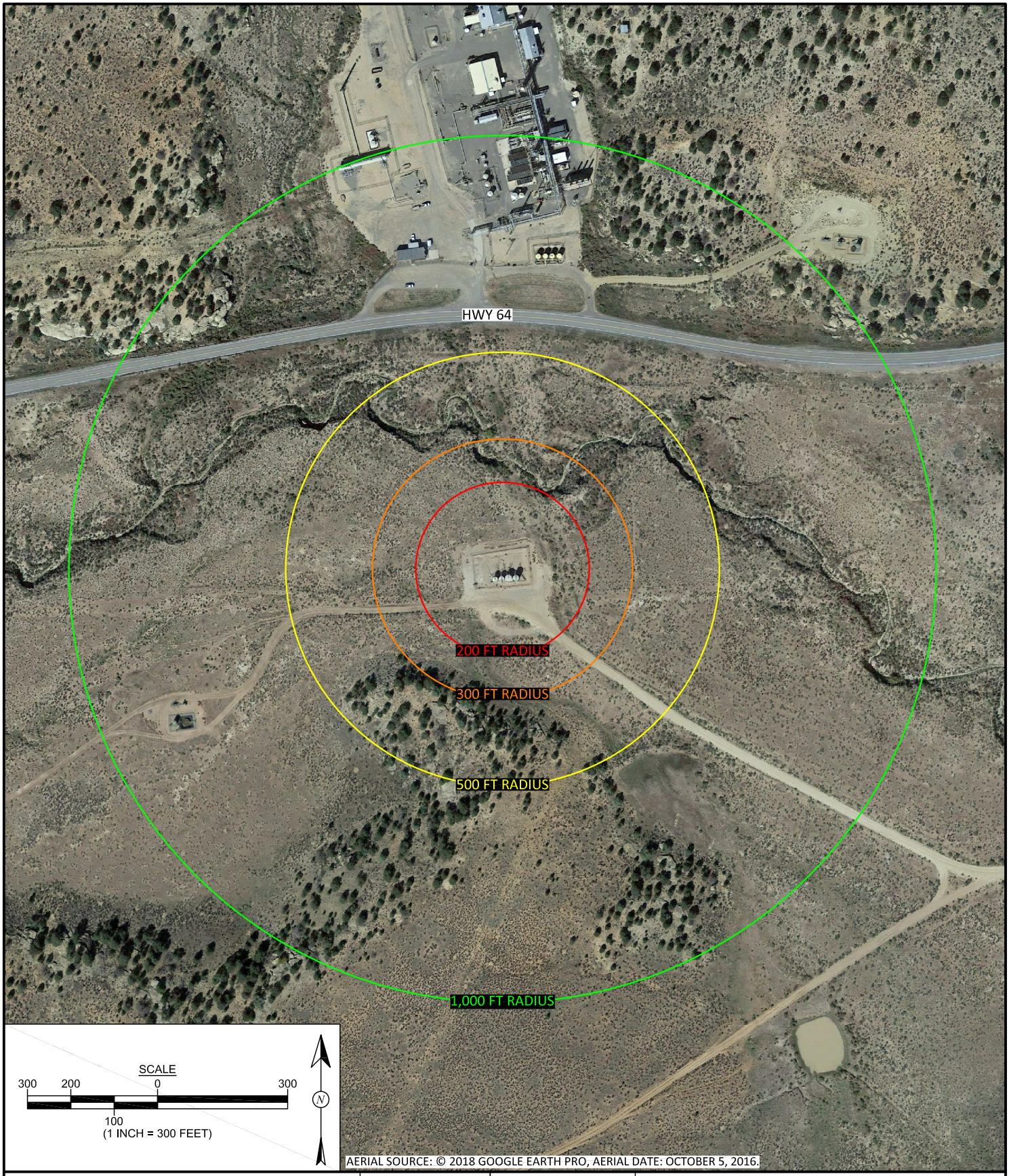
REVISIONS BY: C. Lameman	**DATE REVISED:** August 14, 2019
CHECKED BY: E. McNally	**DATE CHECKED:** August 14, 2019
APPROVED BY: E. McNally	**DATE APPROVED:** August 14, 2019

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
HARVEST MIDSTREAM
EL CEDRO TANK BATTERY
INCIDENT NUMBER:
SE¼ NW¼, SECTION 31, T29N, R5W
RIO ARRIBA COUNTY, NEW MEXICO
N36.68536, W107.40181



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CHECKED BY: E. McNally	**DATE CHECKED:** August 14, 2019
APPROVED BY: E. McNally	**DATE APPROVED:** August 14, 2019

FIGURE 2

AERIAL SITE LOCATION MAP
HARVEST MIDSTREAM
EL CEDRO TANK BATTERY
INCIDENT NUMBER:
SE¼ NW¼, SECTION 31, T29N, R5W
RIO ARRIBA COUNTY, NEW MEXICO
N36.68536, W107.40181

FIGURE 3

INITIAL EXCAVATION AERIAL MAP
AUGUST 6, 2019
HARVEST MIDSTREAM
EL CEDRO TANK BATTERY
INCIDENT NUMBER:
SE¼ NW¼, SECTION 31, T29N, R5W
RIO ARRIBA COUNTY, NEW MEXICO
N36.68536, W107.40181

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DRAWN BY:	DATE DRAWN:
C. Lameman	August 14, 2019
REVISIONS BY:	**DATE REVISED:**
C. Lameman	September 12, 2019
CHECKED BY:	**DATE CHECKED:**
E. McNally	September 12, 2019
APPROVED BY:	**DATE APPROVED:**
E. McNally	September 12, 2019

"CLEAN" STOCKPILE AREA

APPROXIMATE EXCAVATION AREA DIMENSIONS
(AT TIME OF FIELD ASSESSMENT)
116 FT X 138 FT X 40 TO 47 FT DEEP

BURIED PIPELINE

"DIRTY" STOCKPILE AREA

APPROXIMATE LOCATION
OF EL CEDRO TANK BATTERY

EXCAVATION AREA

LEGEND

—x— FENCE

N

SCALE
30 20 0 30
10
(1 INCH = 30 FEET)

AERIAL SOURCE: © HIGH-ELEVATION AERIAL IMAGING AND ANIMAS ENVIRONMENTAL SERVICES LLC., AERIAL DATE: AUGUST 6, 2019.

FIGURE 4

COMPOSITE SAMPLE LOCATIONS MAP
AUGUST 20 AND SEPTEMBER 3, 2019
HARVEST MIDSTREAM
EL CEDRO TANK BATTERY
SE¼ NW¼, SECTION 31, T29N, R5W
RIO ARRIBA COUNTY, NEW MEXICO
N36.68536, W107.40181

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DRAWN BY:	DATE DRAWN:
C. Lameman	August 21, 2019
REVISIONS BY:	**DATE REVISED:**
C. Lameman	September 12, 2019
CHECKED BY:	**DATE CHECKED:**
E. McNally	September 12, 2019
APPROVED BY:	**DATE APPROVED:**
E. McNally	September 12, 2019

LEGEND

- COMPOSITE SAMPLE LOCATIONS (AUGUST 20, 2019)
- COMPOSITE SAMPLE LOCATIONS (SEPTEMBER 3, 2019)
- SOIL SAMPLES FROM MULTIPLE GRID LOCATIONS INTO ONE COMPOSITE

NOTE: EXCAVATION BEGAN ON JUNE 26, 2019 AND IS CURRENTLY ONGOING.

AUGUST 20, 2019: SAMPLE SC-26 WAS A GRAB FROM THE COLLAPSED SECTION OF THE EXCAVATION WALL. UNSTABLE WALL CONDITIONS PREVENTED SAFE ACCESS TO GATHER SAMPLES FROM GRID C2 AND B2. SAMPLE COLLECTION DEPTHS RANGED FROM 11 TO 45 FEET.

SEPTEMBER 3, 2019: SAMPLE COMPOSITES COLLECTED FROM WALLS SURROUNDING BACKFILL AREAS AND ACCESS WITH THE TRACKHOE. SAMPLE COLLECTION DEPTHS RANGED FROM 2 TO 25 FEET.

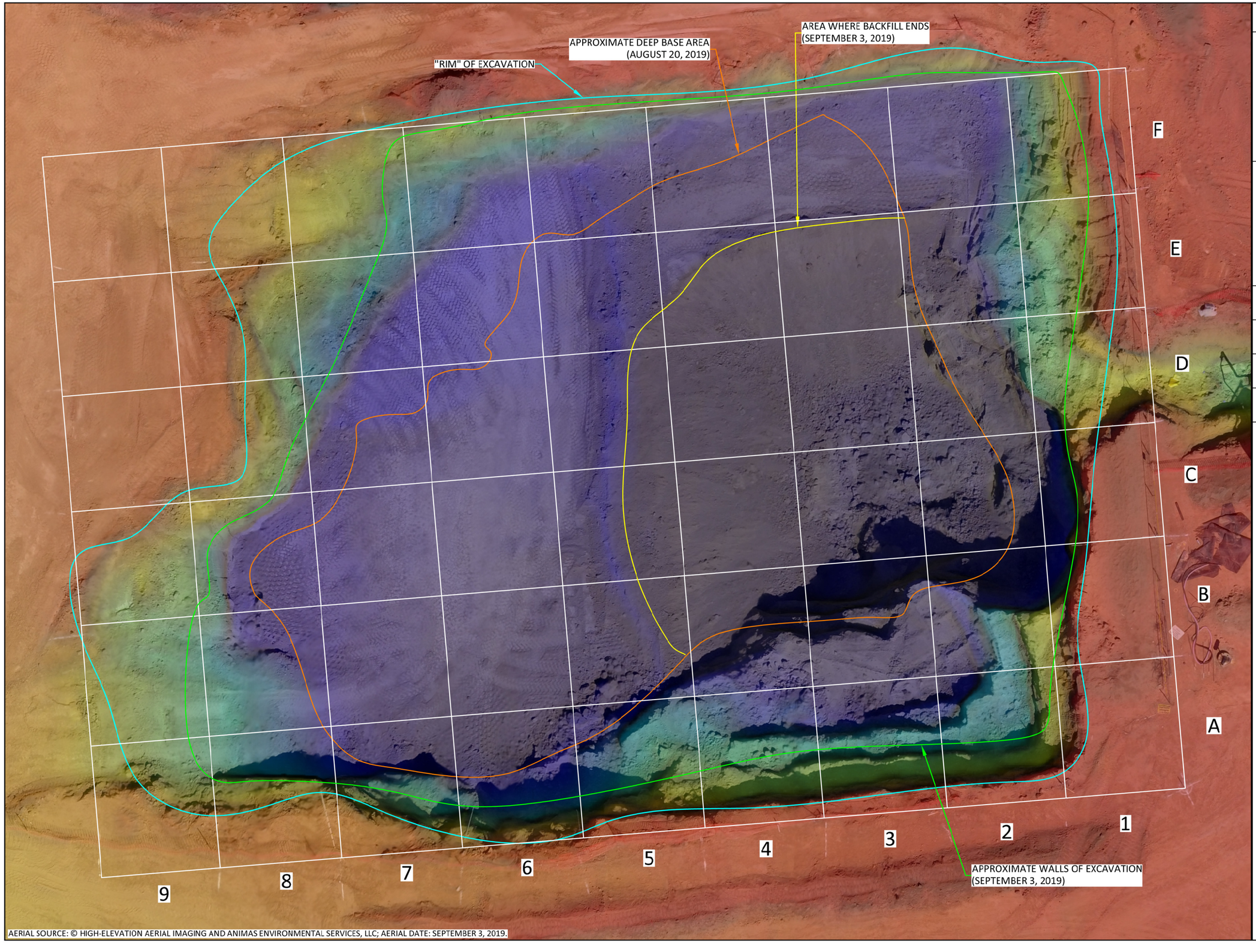
ALL OTHER COMPOSITE SAMPLE RESULTS WERE BELOW APPLICABLE NMOCD ACTION LEVELS. ANALYTICAL REPORTS ATTACHED.

N

SCALE
15 5 0 15
10
(1 INCH = 15 FEET)

"RIM" OF EXCAVATION
APPROXIMATE DEEP BASE AREA
APPROXIMATE WALLS OF EXCAVATION
RAMP
RAMP
SC-1
SC-2
SC-3
SC-4
SC-5
SC-6
SC-7
SC-8
SC-9
SC-10
SC-11
SC-12
SC-13
SC-14
SC-15
SC-16
SC-17
SC-18
SC-19
SC-20
SC-21
SC-22
SC-23
SC-24
SC-25
TPH = 976 mg/kg
SC-26
TPH = 815 mg/kg
SC-27
SC-28
SC-29
SC-30
SC-31
SC-32
SC-33
SC-34
SC-35
SC-36
SC-37
SC-38
SC-39
SC-40
SC-41
SC-42
SC-43
SC-44
SC-45
SC-46
SC-47
SC-48
SC-49
TPH = 294.8 mg/kg
SC-50
SC-51
CHLORIDE = 1,150 mg/kg
SC-52
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

AERIAL SOURCE: © HIGH-ELEVATION AERIAL IMAGING AND ANIMAS ENVIRONMENTAL SERVICES, LLC; AERIAL DATE: SEPTEMBER 3, 2019.



AERIAL SOURCE: © HIGH-ELEVATION AERIAL IMAGING AND ANIMAS ENVIRONMENTAL SERVICES, LLC; AERIAL DATE: SEPTEMBER 3, 2019.

FIGURE 5

EXCAVATION DEPTH CONTOUR MAP
HARVEST MIDSTREAM
EL CEDRO TANK BATTERY
SE¼ NW¼, SECTION 31, T29N, R5W
RIO ARRIBA COUNTY, NEW MEXICO
N36.68536, W107.40181

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CHECKED BY: E. McNally	**DATE CHECKED:** September 12, 2019
APPROVED BY: E. McNally	**DATE APPROVED:** September 12, 2019

LEGEND

- 6408 (0) FEET
- 6400 FEET
- 6495 FEET
- 6490 FEET
- 6387 (43) FEET

N

SCALE
15 10 5 0 15
(1 INCH = 15 FEET)