

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	NRM2021220681
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Roddy Production CO INC	OGRID 36845
Contact Name Jeremy Devine	Contact Telephone 432-557-6778
Contact email jdivine@crowquest.com	Incident # (assigned by OCD)
	NRM2021220681
Contact mailing address P.O. Box 2221 Farmington NM 87499	

Location of Release Source

Latitude 36.8075333 _____ Longitude -108.0196609 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Raymond Simmons #001	Site Type Gas
Date Release Discovered 7/16/2020	API# (if applicable) 30-045-09451

Unit Letter	Section	Township	Range	County
M	17	30N	11W	San Juan

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Hole was identified in steel tank due to corrosion of tank.

State of New Mexico
Oil Conservation Division

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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?

<50 (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 9.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	NRM2021220681
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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: Vanessa Fields Title: Agent Representative / Vanessa Fields

Signature:  Date: 10/15/2020

email: vanessa@walsheng.net Telephone: 505-787-9100

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NRM2021220681
District RP	
Facility ID	
Application ID	

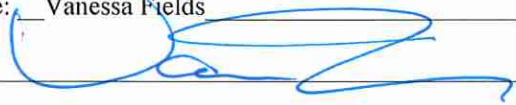
Closure

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: Vanessa Fields Title: Agent Representative / Vanessa Fields
Signature:  Date: 10/15/2020
email: vanessa@walsheng.net Telephone: 505-787-9100

OCD Only

Received by: _____ Date: _____

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: Nelson Velez Date: 06/14/2022
Printed Name: Nelson Velez Title: Environmental Specialist – Adv

Jeremy Divine

From: Jeremy Divine
Sent: Tuesday, August 25, 2020 10:41 AM
To: Smith, Cory, EMNRD
Subject: FW: 2 day notice for sampling Roddy Production Raymond Simmons #1 Sampling. Case#NRM2021220681

From: Jeremy Divine
Sent: Tuesday, August 18, 2020 7:58 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Subject: RE: 2 day notice for sampling Roddy Production Raymond Simmons #1 Sampling. Case#NRM2021220681

Raymond Simmons #1 is ready for sampling.

Incident# NRM20201220681
Date: Thursday August 20, 2020
Time: 3:00pm

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Tuesday, August 18, 2020 6:07 PM
To: Jeremy Divine <jdivine@crowquest.com>
Subject: RE: 2 day notice for sampling Roddy Production Raymond Simmons #1 Sampling. Case#NRM2021220681

Jeremy,

Just give me a incident#, Date, Time when your ready and I will put it on the schedule.

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Jeremy Divine <jdivine@crowquest.com>
Sent: Tuesday, August 18, 2020 2:54 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Subject: [EXT] 2 day notice for sampling Roddy Production Raymond Simmons #1 Sampling. Case#NRM2021220681

Hi Cory,

I would like to schedule sampling the Raymond Simmons #1 site anytime on Thursday this week if that works for you. If not, just let me know what works best for you.

Thanks

Jeremy Divine

Cell. 432 557 6778

[Jdivine@crowquest.com](mailto:jdivine@crowquest.com)

4001 N. Butler, Building 7101

Farmington, NM 87499

CrownQuest Operating

Roddy Production Co.

Jeremy Divine

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Thursday, August 27, 2020 9:48 AM
To: Jeremy Divine
Subject: Re: [EXT] RE: 2 day notice for sampling Roddy Production Raymond Simmons #1 Sampling. Case#NRM2021220681

Jeremy,

OCD approves the alternative sampling time for today. Please include this approval in your final c-141

Get [Outlook for iOS](#)

On Thu, Aug 27, 2020 at 9:27 AM -0600, "Jeremy Divine" <jdivine@crowquest.com> wrote:

Morning Cory,

The excavated area exceeds the 200 sqft sample size. The bottom will need to be divided and sampled in three areas to meet this criteria. I would like to sample the bottom area at 2:00pm this afternoon if possible. Please let me know if you have questions.

Thank you

Jeremy Divine
Cell. 432 557 6778
jdivine@crowquest.com
4001 N. Butler, Building 7101
Farmington, NM 87499

CrownQuest Operating

Roddy Production Co.

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Tuesday, August 25, 2020 10:11 AM
To: Jeremy Divine <jdivine@crowquest.com>
Subject: RE: 2 day notice for sampling Roddy Production Raymond Simmons #1 Sampling. Case#NRM2021220681

Jeremy,

I didn't receive any email with a date and time.

Please be aware that if you didn't meet the requirements of 19.15.29 NMAC the confirmation samples may not be accepted. I don't know how large the excavation was/is but it sounds like you didn't exceed the 200 sqft sample size

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Subject: [EXT] Re: 2 day notice for sampling Roddy Production Raymond Simmons #1 Sampling. Case#NRM2021220681

I pulled 5 point composite samples on all 4 sidewalls and the bottom. After you sent the email asking for the time I replied back with the date, time and incident #. I waited an extra 30 minutes and then pulled samples.

Jeremy Divine

On Aug 25, 2020, at 9:48 AM, Smith, Cory, EMNRD <Cory.Smith@state.nm.us> wrote:

Jeremy,

How did you sample? Did you meet the 200 sqft sampling size?

I am afraid you misunderstood my email last week I was asking for a time.

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1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Jeremy Divine <jdivine@crowquest.com>
Sent: Tuesday, August 25, 2020 9:21 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Subject: [EXT] RE: 2 day notice for sampling Roddy Production Raymond Simmons #1 Sampling. Case#NRM2021220681

I pulled samples last Thursday at 3:30 pm. We should have results at the end of this week.

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Tuesday, August 25, 2020 9:10 AM
To: Jeremy Divine <jdivine@crowquest.com>
Subject: RE: 2 day notice for sampling Roddy Production Raymond Simmons #1 Sampling. Case#NRM2021220681

Jeremy,

What's the status of sampling?

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

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Case#NRM2021220681

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To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Subject: [EXT] 2 day notice for sampling Roddy Production Raymond Simmons #1 Sampling.
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Hi Cory,

I would like to schedule sampling the Raymond Simmons #1 site anytime on Thursday this week if that works for you. If not, just let me know what works best for you.

Thanks

Jeremy Divine
Cell. 432 557 6778
jdivine@crowquest.com
4001 N. Butler, Building 7101
Farmington, NM 87499

CrownQuest Operating
Roddy Production Co.

Jeremy Divine

From: Jeremy Divine
Sent: Thursday, August 27, 2020 9:49 AM
To: Smith, Cory, EMNRD
Subject: Re: [EXT] RE: 2 day notice for sampling Roddy Production Raymond Simmons #1 Sampling. Case#NRM2021220681

Will do. Thank you

Jeremy Divine

On Aug 27, 2020, at 9:48 AM, Smith, Cory, EMNRD <Cory.Smith@state.nm.us> wrote:

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OCD approves the alternative sampling time for today. Please include this approval in your final c-141

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Roddy Production Co.

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Case#NRM2021220681

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Subject: [EXT] RE: 2 day notice for sampling Roddy Production Raymond Simmons #1 Sampling. Case#NRM2021220681

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From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Tuesday, August 25, 2020 9:10 AM
To: Jeremy Divine <jdivine@crowquest.com>
Subject: RE: 2 day notice for sampling Roddy Production Raymond Simmons #1 Sampling. Case#NRM2021220681

Jeremy,

What's the status of sampling?

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Thanks

Jeremy Divine

Cell. 432 557 6778

Jdivine@crownquest.com

4001 N. Butler, Building 7101

Farmington, NM 87499

CrownQuest Operating

Roddy Production Co.

Raymond Simmons #001


Remediation Summary

API# 30-045-09451

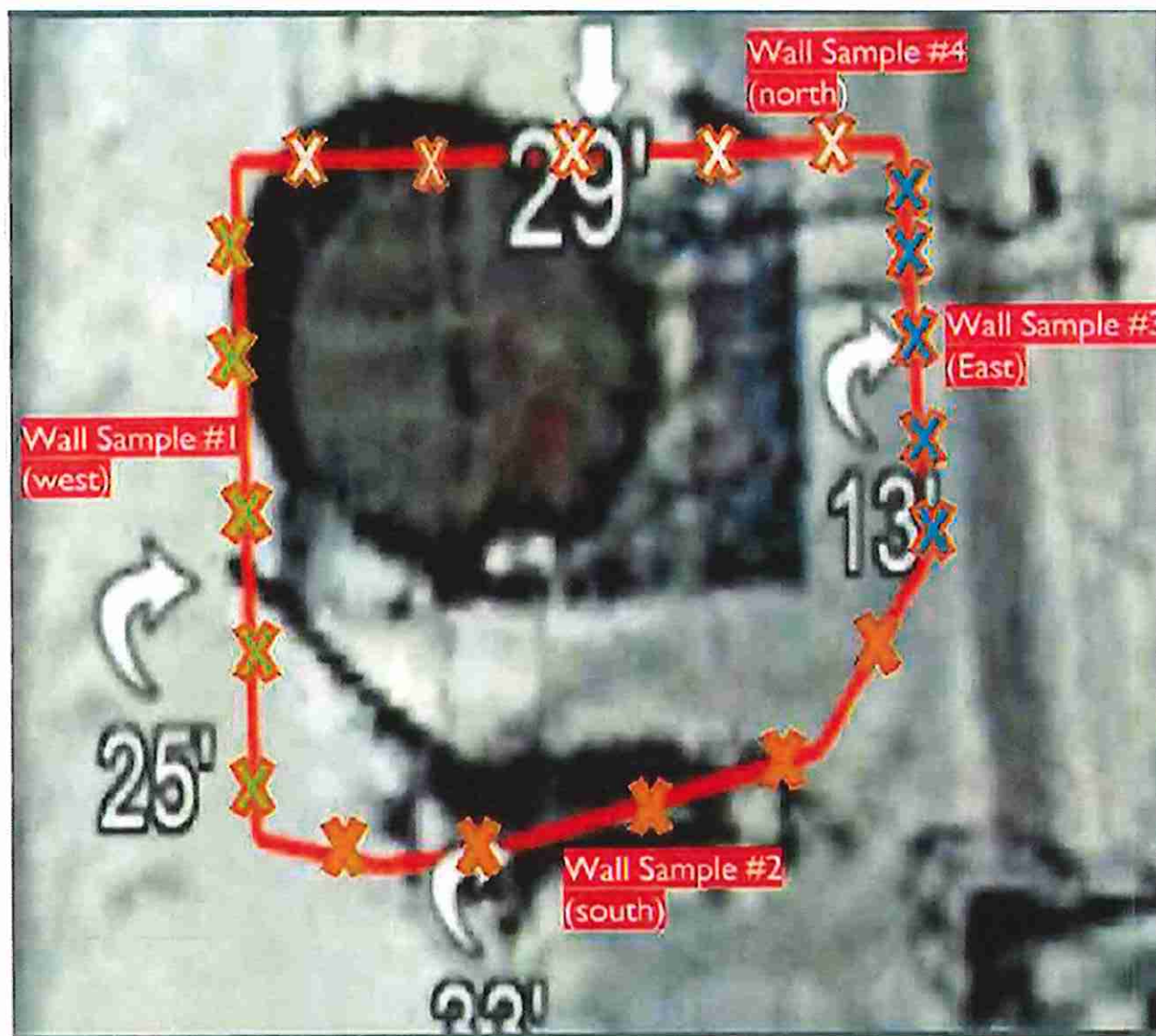
M-17-30N-11W

Roddy Production representative arrived at the Raymond Simmons #001 on the morning of July 16, 2020 to conduct routine field operations and noted there was a small pin hole leak identified on the tank onsite. Once the release was contained and all free liquids were removed Roddy Production determined that the release was 11.92 BBLS of produced water. All liquids stayed on location and did not leave. Notification of the release was made to the New Mexico Oil Conservation Division and the Surface owner is Fee and is Mr. Jake Hottell On July 16, 2020.

On August 4, 2020 Roddy Production removed the separator and the Removed separator and 95 bbl water tank and excavated 46 yards contaminated soil and hauled to JFJ(IEI) Landfarm. On August 18, 2020 48-hour notification was made to the Cory Smith with the NMOCD of notification of confirmation samples to be collected from the excavated area

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet 	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
51 feet-100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
> 100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Sample area Map August 20, 2020 8/20/20: Collected (1) 5-point composite samples from all 4 sidewalls and (1) 5 point composite sample from bottom. Samples collected were put on ice and transported for pick up in Farmington NM to be analyzed by Green Analytical.

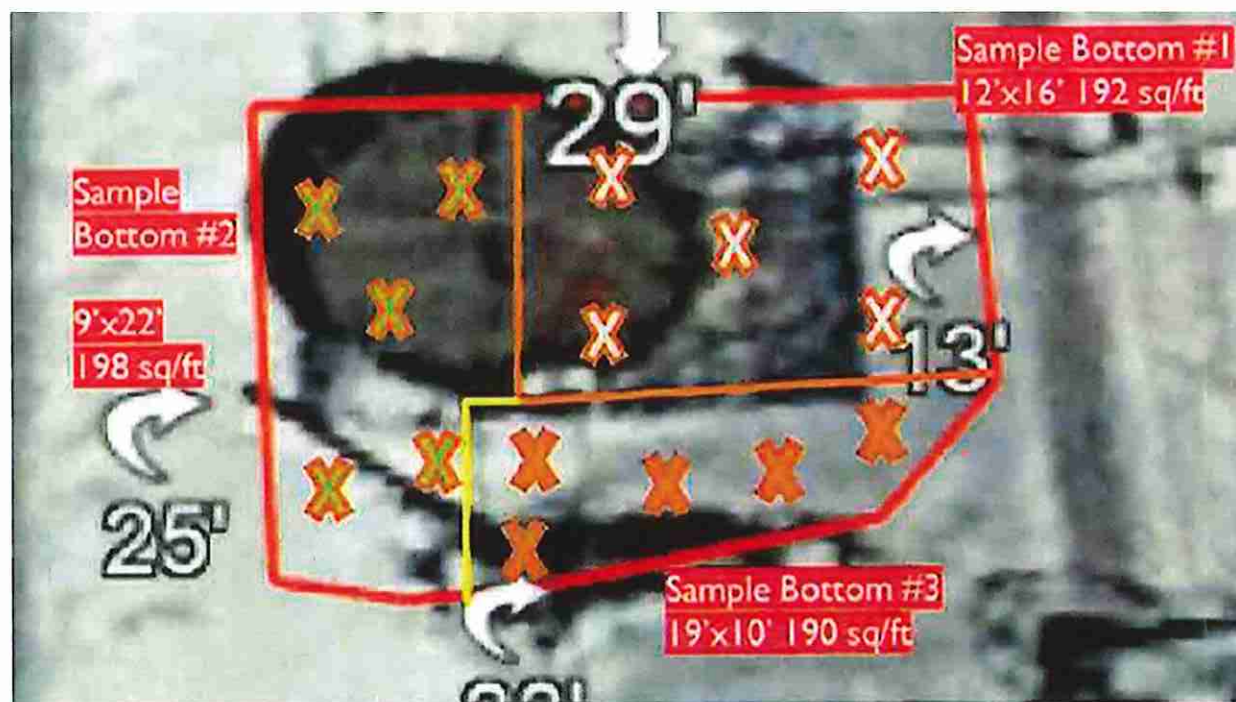


On August 27, 2020 Roddy Production Notified Cory Smith with the NMOCD that the base of the excavation area of sampling that was conducted on August 20, 2020 area was larger than 200 sq/ft or less sampling size and requested permission to pull 3 samples that afternoon. NMOCD granted permission to collect an additional (3) 5-point composite samples from the base of the excavation. Samples collected were put on ice and transported for pick up in Farmington NM to be analyzed by Green Analytical.

Raymond Simmons #1

Site Map and excavation diagram

Roddy Production Co
 Raymond Simmons #1
 UL-M Sec-17, T30N, R11W
 30-045-09451
 Lat 36.807310
 Long:-108.019975



Email notification was made to Cory Smith with the NMOCD on September 10, 2020 for permission to backfill as all samples collected were below the regulatory standards as demonstrated in the analytical results and the referenced sample table. On October 12, 2020, the excavation was backfilled, and equipment was reset with a new tank as referenced in closure photos.

Sampling Table

Area Sampled	Sample Date	BTEX	Benzene	DRO	GRO	ORO	Chlorides
Sample #001 Sidewall	8/20/2020	<0.300 mg/kg	<.050 mg/kg	<0.10 mg/kg	<0.10 mg/kg	<0.10 mg/kg	22.9mg/kg
Sample #002 Sidewall	8/20/2020	<0.300 mg/kg	<.050 mg/kg	<0.10 mg/kg	11.2mg/kg	<0.10 mg/kg	<21.1 mg/kg
Sample #003 Sidewall	8/20/2020	<.050 mg/kg	<0.300 mg/kg	<0.10 mg/kg	<0.10 mg/kg	<0.10 mg/kg	<20.8 mg/kg
Sample #004 Sidewall	8/20/2020	<.050 mg/kg	<0.300 mg/kg	40.3mg/kg	<0.10 mg/kg	13.5mg/kg	<20.9 mg/kg
Sample #005 Base	8/20/2020	<0.300 mg/kg	<.050 mg/kg	<0.10 mg/kg	<0.10 mg/kg	<0.10 mg/kg	<20.8 mg/kg
Sample #001 Base	8/27/2020	<0.300 mg/kg	<.050 mg/kg	<0.10 mg/kg	<0.10 mg/kg	<0.10 mg/kg	<20.8 mg/kg
Sample #002 Base	8/27/2020	<0.300 mg/kg	<.050 mg/kg	<0.10 mg/kg	16.5mg/kg	<0.10 mg/kg	<20.7 mg/kg
Sample #003 Base	8/27/2020	<0.300 mg/kg	<.050 mg/kg	<0.10 mg/kg	40.8mg/kg	<0.10 mg/kg	<21.0 mg/kg



75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
970.247.4227 Fax
www.greenanalytical.com

03 September 2020

Jeremy Divine
Roddy Production
P.O. Box 2221
Farmington, CO 87499
RE: BTEX, TPH, CI

Enclosed are the results of analyses for samples received by the laboratory on 08/20/20 17:03.
If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads 'Debbie Zufelt'.

Debbie Zufelt
Reports Manager

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water.

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8.



dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

www.GreenAnalytical.com

Roddy Production
P.O. Box 2221
Farmington CO, 87499

Project: BTEX, TPH, CI
Project Name / Number: Raymond Simmons
Project Manager: Jeremy Divine

Reported:
09/02/20 13:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Sample #1 Sidewall	2008272-01	Solid	08/20/20 15:40	08/20/20 17:03	
Sample #2 Sidewall	2008272-02	Solid	08/20/20 15:40	08/20/20 17:03	
Sample #3 Sidewall	2008272-03	Solid	08/20/20 15:40	08/20/20 17:03	
Sample #4 Sidewall	2008272-04	Solid	08/20/20 15:40	08/20/20 17:03	
Sample #5 Bottom	2008272-05	Solid	08/20/20 15:40	08/20/20 17:03	

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A handwritten signature in black ink that reads 'Debbie Zufelt'.

Debbie Zufelt, Reports Manager

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Roddy Production	Project: BTEX, TPH, CI	Reported:
P.O. Box 2221	Project Name / Number: Raymond Simmons	09/02/20 13:56
Farmington CO, 87499	Project Manager: Jeremy Divine	

Sample #1 Sidewall

2008272-01 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

% Dry Solids	91.4			%	1	08/28/20 16:50	EPA160.3/1684	H1	VJW
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Soluble (DI Water Extraction)

Chloride	22.9	21.9	1.94	mg/kg dry	20	09/01/20 10:00	EPA300.0		AES
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Subcontracted -- Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	0.005	mg/kg	50	08/26/20 21:11	8021B		MS
Toluene*	<0.050	0.050	0.004	mg/kg	50	08/26/20 21:11	8021B		MS
Ethylbenzene*	<0.050	0.050	0.006	mg/kg	50	08/26/20 21:11	8021B		MS
Total Xylenes*	<0.150	0.150	0.013	mg/kg	50	08/26/20 21:11	8021B		MS
Total BTEX	<0.300	0.300	0.018	mg/kg	50	08/26/20 21:11	8021B		MS

Surrogate: 4-Bromofluorobenzene (PID)

98.0 % 73.3-129 08/26/20 21:11 8021B MS

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	1.97	mg/kg	1	08/27/20 00:35	8015B		MS
DRO >C10-C28*	<10.0	10.0	2.97	mg/kg	1	08/27/20 00:35	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	2.97	mg/kg	1	08/27/20 00:35	8015B		MS

Surrogate: 1-Chlorooctane

103 % 44.3-144 08/27/20 00:35 8015B MS

Surrogate: 1-Chlorooctadecane

106 % 42.2-156 08/27/20 00:35 8015B MS

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Farmington CO, 87499	Project Manager: Jeremy Divine	

Sample #2 Sidewall

2008272-02 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	94.9			%	1	08/28/20 16:50	EPA160.3/1684	H1	VJW
Soluble (DI Water Extraction)									
Chloride	<21.1	21.1	1.87	mg/kg dry	20	09/01/20 10:21	EPA300.0		AES

Subcontracted -- Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	0.005	mg/kg	50	08/26/20 21:28	8021B		MS
Toluene*	<0.050	0.050	0.004	mg/kg	50	08/26/20 21:28	8021B		MS
Ethylbenzene*	<0.050	0.050	0.006	mg/kg	50	08/26/20 21:28	8021B		MS
Total Xylenes*	<0.150	0.150	0.013	mg/kg	50	08/26/20 21:28	8021B		MS
Total BTEX	<0.300	0.300	0.018	mg/kg	50	08/26/20 21:28	8021B		MS
Surrogate: 4-Bromofluorobenzene (PID)		99.8 %	73.3-129			08/26/20 21:28	8021B		MS

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	1.97	mg/kg	1	08/27/20 00:58	8015B		MS
DRO >C10-C28*	11.2	10.0	2.97	mg/kg	1	08/27/20 00:58	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	2.97	mg/kg	1	08/27/20 00:58	8015B		MS
Surrogate: 1-Chlorooctane		106 %	44.3-144			08/27/20 00:58	8015B		MS
Surrogate: 1-Chlorooctadecane		110 %	42.2-156			08/27/20 00:58	8015B		MS

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Farmington CO, 87499

Project: BTEX, TPH, CI
Project Name / Number: Raymond Simmons
Project Manager: Jeremy Divine

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Sample #3 Sidewall**2008272-03 (Solid)**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

% Dry Solids	96.0			%	1	08/28/20 16:50	EPA160.3/1684	H1	VJW
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Soluble (DI Water Extraction)

Chloride	<20.8	20.8	1.85	mg/kg dry	20	09/01/20 10:41	EPA300.0		AES
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Subcontracted -- Cardinal Laboratories**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	0.005	mg/kg	50	08/26/20 21:44	8021B		MS
Toluene*	<0.050	0.050	0.004	mg/kg	50	08/26/20 21:44	8021B		MS
Ethylbenzene*	<0.050	0.050	0.006	mg/kg	50	08/26/20 21:44	8021B		MS
Total Xylenes*	<0.150	0.150	0.013	mg/kg	50	08/26/20 21:44	8021B		MS
Total BTEX	<0.300	0.300	0.018	mg/kg	50	08/26/20 21:44	8021B		MS

Surrogate: 4-Bromofluorobenzene (PID)

99.4 % 73.3-129

08/26/20
21:44

8021B

MS

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	1.97	mg/kg	1	08/27/20 01:19	8015B		MS
DRO >C10-C28*	<10.0	10.0	2.97	mg/kg	1	08/27/20 01:19	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	2.97	mg/kg	1	08/27/20 01:19	8015B		MS

Surrogate: 1-Chlorooctane

108 % 44.3-144

08/27/20
01:19

8015B

MS

Surrogate: 1-Chlorooctadecane

112 % 42.2-156

08/27/20
01:19

8015B

MS

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Farmington CO, 87499

Project: BTEX, TPH, CI
Project Name / Number: Raymond Simmons
Project Manager: Jeremy Divine

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Sample #4 Sidewall

2008272-04 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

% Dry Solids	95.8			%	1	08/28/20 16:50	EPA160.3/1684	HI	VJW
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Soluble (DI Water Extraction)

Chloride	<20.9	20.9	1.85	mg/kg dry	20	09/01/20 11:02	EPA300.0		AES
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Subcontracted -- Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	0.005	mg/kg	50	08/26/20 22:00	8021B		MS
Toluene*	<0.050	0.050	0.004	mg/kg	50	08/26/20 22:00	8021B		MS
Ethylbenzene*	<0.050	0.050	0.006	mg/kg	50	08/26/20 22:00	8021B		MS
Total Xylenes*	<0.150	0.150	0.013	mg/kg	50	08/26/20 22:00	8021B		MS
Total BTEX	<0.300	0.300	0.018	mg/kg	50	08/26/20 22:00	8021B		MS

Surrogate: 4-Bromofluorobenzene (PID)

99.7 % 73.3-129

08/26/20
22:00

8021B

MS

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	1.97	mg/kg	1	08/27/20 01:41	8015B		MS
DRO >C10-C28*	40.3	10.0	2.97	mg/kg	1	08/27/20 01:41	8015B		MS
EXT DRO >C28-C36	13.5	10.0	2.97	mg/kg	1	08/27/20 01:41	8015B		MS

Surrogate: 1-Chlorooctane

102 % 44.3-144

08/27/20
01:41

8015B

MS

Surrogate: 1-Chlorooctadecane

106 % 42.2-156

08/27/20
01:41

8015B

MS

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Farmington CO, 87499	Project Manager: Jeremy Divine	

Sample #5 Bottom

2008272-05 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	96.2			%	1	08/28/20 16:50	EPA160.3/1684	H1	VJW
Soluble (DI Water Extraction)									
Chloride	<20.8	20.8	1.84	mg/kg dry	20	09/01/20 11:22	EPA300.0		AES

Subcontracted -- Cardinal Laboratories

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	0.005	mg/kg	50	08/26/20 22:17	8021B		MS
Toluene*	<0.050	0.050	0.004	mg/kg	50	08/26/20 22:17	8021B		MS
Ethylbenzene*	<0.050	0.050	0.006	mg/kg	50	08/26/20 22:17	8021B		MS
Total Xylenes*	<0.150	0.150	0.013	mg/kg	50	08/26/20 22:17	8021B		MS
Total BTEX	<0.300	0.300	0.018	mg/kg	50	08/26/20 22:17	8021B		MS

Surrogate: 4-Bromofluorobenzene (PID)

98.9 % 73.3-129

08/26/20
22:17

8021B

MS

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	1.97	mg/kg	1	08/27/20 02:04	8015B		MS
DRO >C10-C28*	<10.0	10.0	2.97	mg/kg	1	08/27/20 02:04	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	2.97	mg/kg	1	08/27/20 02:04	8015B		MS

Surrogate: 1-Chlorooctane

102 % 44.3-144

08/27/20
02:04

8015B

MS

Surrogate: 1-Chlorooctadecane

105 % 42.2-156

08/27/20
02:04

8015B

MS

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P.O. Box 2221	Project Name / Number: Raymond Simmons	09/02/20 13:56
Farmington CO, 87499	Project Manager: Jeremy Divine	

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B201726 - General Prep - Wet Chem										
Duplicate (B201726-DUP1)		Source: 2008266-01		Prepared & Analyzed: 08/28/20						
% Dry Solids	85.7		%		86.2			0.602	20	

Soluble (DI Water Extraction) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B201741 - General Prep - Wet Chem										
Blank (B201741-BLK1)		Prepared & Analyzed: 08/31/20								
Chloride	ND	1.00	mg/kg wet							
LCS (B201741-BS1)		Prepared & Analyzed: 08/31/20								
Chloride	240	10.0	mg/kg wet	250		95.8	85-115			
LCS Dup (B201741-BSD1)		Prepared & Analyzed: 08/31/20								
Chloride	239	10.0	mg/kg wet	250		95.6	85-115	0.222	20	

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Farmington CO, 87499

Project: BTEX, TPH, CI
Project Name / Number: Raymond Simmons
Project Manager: Jeremy Divine

Reported:
09/02/20 13:56

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0082609 - Volatiles										
Blank (0082609-BLK1)										
Prepared & Analyzed: 08/26/20										
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		98.7	73.3-129			
Benzene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
LCS (0082609-BS1)										
Prepared & Analyzed: 08/26/20										
Surrogate: 4-Bromofluorobenzene (PID)	0.0514		mg/kg	0.0500		103	73.3-129			
Benzene	2.12	0.050	mg/kg	2.00		106	72.2-131			
Ethylbenzene	2.09	0.050	mg/kg	2.00		105	68.9-126			
Toluene	2.12	0.050	mg/kg	2.00		106	71.7-126			
Total Xylenes	6.07	0.150	mg/kg	6.00		101	71.4-125			
LCS Dup (0082609-BSD1)										
Prepared & Analyzed: 08/26/20										
Surrogate: 4-Bromofluorobenzene (PID)	0.0509		mg/kg	0.0500		102	73.3-129			
Benzene	2.09	0.050	mg/kg	2.00		104	72.2-131	1.44	14.6	
Ethylbenzene	2.07	0.050	mg/kg	2.00		103	68.9-126	1.18	18.9	
Toluene	2.08	0.050	mg/kg	2.00		104	71.7-126	1.76	17.4	
Total Xylenes	5.98	0.150	mg/kg	6.00		99.6	71.4-125	1.51	18.5	

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Project: BTEX, TPH, CI
Project Name / Number: Raymond Simmons
Project Manager: Jeremy Divine

Reported:
09/02/20 13:56

Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0082610 - General Prep - Organics										
Blank (0082610-BLK1)										
Prepared & Analyzed: 08/26/20										
Surrogate: 1-Chlorooctadecane	53.3		mg/kg	50.0		107	42.2-156			
Surrogate: 1-Chlorooctane	51.6		mg/kg	50.0		103	44.3-144			
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
GRO C6-C10	ND	10.0	mg/kg							
LCS (0082610-BS1)										
Prepared & Analyzed: 08/26/20										
Surrogate: 1-Chlorooctadecane	58.1		mg/kg	50.0		116	42.2-156			
Surrogate: 1-Chlorooctane	55.3		mg/kg	50.0		111	44.3-144			
DRO >C10-C28	224	10.0	mg/kg	200		112	80-132			
GRO C6-C10	210	10.0	mg/kg	200		105	78.8-127			
Total TPH C6-C28	434	10.0	mg/kg	400		109	81.3-128			
LCS Dup (0082610-BSD1)										
Prepared & Analyzed: 08/26/20										
Surrogate: 1-Chlorooctadecane	55.0		mg/kg	50.0		110	42.2-156			
Surrogate: 1-Chlorooctane	53.2		mg/kg	50.0		106	44.3-144			
DRO >C10-C28	212	10.0	mg/kg	200		106	80-132	5.31	17.1	
GRO C6-C10	200	10.0	mg/kg	200		100	78.8-127	4.91	15.1	
Total TPH C6-C28	412	10.0	mg/kg	400		103	81.3-128	5.12	15	

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P.O. Box 2221
Farmington CO, 87499

Project: BTEX, TPH, CI
Project Name / Number: Raymond Simmons
Project Manager: Jeremy Divine

Reported:
09/02/20 13:56

Notes and Definitions

H1 Sample was received several days after collected and subsequently analyzed past hold time.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis
*Results reported on as received basis unless designated as dry.

RPD Relative Percent Difference

LCS Laboratory Control Sample (Blank Spike)

RL Report Limit

MDL Method Detection Limit

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A handwritten signature in black ink that reads 'Debbie Zufelt'.

Debbie Zufelt, Reports Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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<small>By GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small> Relinquished By:			Date: Time:	Received By:	ADDITIONAL REMARKS:	Report to State? (Circle) Yes No
Relinquished By: <i>Jeremy Divine</i>	Date: 8-20-20 Time: 5:03 PM	Received By: <i>Christa Clark</i>	ADDITIONAL REMARKS: 9.6/9.7°C <i>lacc#1</i> Temperature at receipt: <i>CHB</i> CHECKED BY			
Relinquished By: <i>Christa Clark</i>	Date: 8/21/20 Time:	Received By: <i>Vickie Gurry</i>				
Relinquished By: <i>Vickie Gurry</i>	Date: 8-24-20 Time: 4:40 pm	Received By: <i>Kangaroo Express</i>				
Relinquished By: <i>Kangaroo Express</i>	Date: 8/25/20 Time: 0915	Received By: <i>Steve Birk</i>				

* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.

Just Click Printing Form #17-0301

Page 12 of 12 2008272 GAL RECREATE 09 02 20 1356 09/03/20 15:50:14



75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
970.247.4227 Fax
www.greenanalytical.com

03 September 2020

Jeremy Divine
Roddy Production
P.O. Box 2221
Farmington, CO 87499
RE: BTEX, TPH, CI

Enclosed are the results of analyses for samples received by the laboratory on 08/27/20 15:30. The data to follow was performed, in whole or in part, by a subcontract laboratory with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads 'Debbie Zufelt'.

Debbie Zufelt
Reports Manager

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water.

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8.



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Roddy Production
P.O. Box 2221
Farmington CO, 87499

Project: BTEX, TPH, CI
Project Name / Number: Raymond Simmons
Project Manager: Jeremy Divine

Reported:
09/03/20 17:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Sample #1 Bottom	2008346-01	Solid	08/27/20 14:40	08/27/20 15:30	
Sample #2 Bottom	2008346-02	Solid	08/27/20 14:40	08/27/20 15:30	
Sample #3 Bottom	2008346-03	Solid	08/27/20 14:40	08/27/20 15:30	

Green Analytical Laboratories

A handwritten signature in black ink that reads 'Debbie Zufelt'.

Debbie Zufelt, Reports Manager

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Roddy Production
P.O. Box 2221
Farmington CO, 87499

Project: BTEX, TPH, CI
Project Name / Number: Raymond Simmons
Project Manager: Jeremy Divine

Reported:
09/03/20 17:26

Sample #1 Bottom**2008346-01 (Solid)**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

% Dry Solids	96.1			%	1	08/31/20 14:35	EPA160.3/1684		VJW
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Soluble (DI Water Extraction)

Chloride	<20.8	20.8	1.84	mg/kg dry	20	09/01/20 12:24	EPA300.0		AES
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Subcontracted -- Cardinal Laboratories**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	0.005	mg/kg	50	09/02/20 18:35	8021B		ms
Toluene*	<0.050	0.050	0.004	mg/kg	50	09/02/20 18:35	8021B		ms
Ethylbenzene*	<0.050	0.050	0.006	mg/kg	50	09/02/20 18:35	8021B		ms
Total Xylenes*	<0.150	0.150	0.013	mg/kg	50	09/02/20 18:35	8021B		ms
Total BTEX	<0.300	0.300	0.018	mg/kg	50	09/02/20 18:35	8021B		ms

Surrogate: 4-Bromofluorobenzene (PID)

112 % 73.3-129

09/02/20
18:35

8021B

ms

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	1.97	mg/kg	1	09/02/20 22:27	8015B		MS
DRO >C10-C28*	<10.0	10.0	2.97	mg/kg	1	09/02/20 22:27	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	2.97	mg/kg	1	09/02/20 22:27	8015B		MS

Surrogate: 1-Chlorooctane

88.5 % 44.3-144

09/02/20
22:27

8015B

MS

Surrogate: 1-Chlorooctadecane

87.7 % 42.2-156

09/02/20
22:27

8015B

MS

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Roddy Production
P.O. Box 2221
Farmington CO, 87499

Project: BTEX, TPH, CI
Project Name / Number: Raymond Simmons
Project Manager: Jeremy Divine

Reported:
09/03/20 17:26

Sample #2 Bottom**2008346-02 (Solid)**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

% Dry Solids	96.6			%	1	08/31/20 14:35	EPA160.3/1684		VJW
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Soluble (DI Water Extraction)

Chloride	<20.7	20.7	1.83	mg/kg dry	20	09/01/20 12:45	EPA300.0		AES
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Subcontracted -- Cardinal Laboratories**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	0.005	mg/kg	50	09/02/20 18:55	8021B		ms
Toluene*	<0.050	0.050	0.004	mg/kg	50	09/02/20 18:55	8021B		ms
Ethylbenzene*	<0.050	0.050	0.006	mg/kg	50	09/02/20 18:55	8021B		ms
Total Xylenes*	<0.150	0.150	0.013	mg/kg	50	09/02/20 18:55	8021B		ms
Total BTEX	<0.300	0.300	0.018	mg/kg	50	09/02/20 18:55	8021B		ms

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.3-129 09/02/20 18:55 8021B ms

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	1.97	mg/kg	1	09/02/20 22:49	8015B		MS
DRO >C10-C28*	16.5	10.0	2.97	mg/kg	1	09/02/20 22:49	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	2.97	mg/kg	1	09/02/20 22:49	8015B		MS

Surrogate: 1-Chlorooctane 90.0 % 44.3-144 09/02/20 22:49 8015B MS

Surrogate: 1-Chlorooctadecane 89.8 % 42.2-156 09/02/20 22:49 8015B MS

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Roddy Production
P.O. Box 2221
Farmington CO, 87499

Project: BTEX, TPH, CI
Project Name / Number: Raymond Simmons
Project Manager: Jeremy Divine

Reported:
09/03/20 17:26

Sample #3 Bottom**2008346-03 (Solid)**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

% Dry Solids	95.3			%	1	08/31/20 14:35	EPA160.3/1684		VJW
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Soluble (DI Water Extraction)

Chloride	<21.0	21.0	1.86	mg/kg dry	20	09/01/20 13:05	EPA300.0		AES
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Subcontracted -- Cardinal Laboratories**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	0.005	mg/kg	50	09/02/20 19:14	8021B		ms
Toluene*	<0.050	0.050	0.004	mg/kg	50	09/02/20 19:14	8021B		ms
Ethylbenzene*	<0.050	0.050	0.006	mg/kg	50	09/02/20 19:14	8021B		ms
Total Xylenes*	<0.150	0.150	0.013	mg/kg	50	09/02/20 19:14	8021B		ms
Total BTEX	<0.300	0.300	0.018	mg/kg	50	09/02/20 19:14	8021B		ms

Surrogate: 4-Bromofluorobenzene (PID)

112 % 73.3-129

09/02/20
19:14

8021B

ms

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	1.97	mg/kg	1	09/02/20 23:11	8015B		MS
DRO >C10-C28*	40.8	10.0	2.97	mg/kg	1	09/02/20 23:11	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	2.97	mg/kg	1	09/02/20 23:11	8015B		MS

Surrogate: 1-Chlorooctane

90.4 % 44.3-144

09/02/20
23:11

8015B

MS

Surrogate: 1-Chlorooctadecane

93.2 % 42.2-156

09/02/20
23:11

8015B

MS

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Roddy Production	Project: BTEX, TPH, Cl	Reported:
P.O. Box 2221	Project Name / Number: Raymond Simmons	09/03/20 17:26
Farmington CO, 87499	Project Manager: Jeremy Divine	

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B201743 - General Prep - Wet Chem

Duplicate (B201743-DUP1) Source: 2008346-01 Prepared & Analyzed: 08/31/20

% Dry Solids	96.2	%	96.1	0.0772	20
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Soluble (DI Water Extraction) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B201741 - General Prep - Wet Chem

Blank (B201741-BLK1) Prepared & Analyzed: 08/31/20

Chloride	ND	1.00	mg/kg wet
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LCS (B201741-BS1) Prepared & Analyzed: 08/31/20

Chloride	240	10.0	mg/kg wet	250	95.8	85-115
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LCS Dup (B201741-BSD1) Prepared & Analyzed: 08/31/20

Chloride	239	10.0	mg/kg wet	250	95.6	85-115	0.222	20
----------	-----	------	-----------	-----	------	--------	-------	----

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Page 6 of 9 2008346 GAL_WSUB FINAL 09 03 20 1726 09/03/20 17:26:42



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www.GreenAnalytical.com

Roddy Production
P.O. Box 2221
Farmington CO, 87499

Project: BTEX, TPH, Cl
Project Name / Number: Raymond Simmons
Project Manager: Jeremy Divine

Reported:
09/03/20 17:26

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0090202 - Volatiles

Blank (0090202-BLK1)

Prepared & Analyzed: 09/02/20

Surrogate: 4-Bromofluorobenzene (PID)	0.0556		mg/kg	0.0500		111	73.3-129			
Benzene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

LCS (0090202-BS1)

Prepared & Analyzed: 09/02/20

Surrogate: 4-Bromofluorobenzene (PID)	0.0516		mg/kg	0.0500		103	73.3-129			
Benzene	1.90	0.050	mg/kg	2.00		94.8	72.2-131			
Ethylbenzene	1.91	0.050	mg/kg	2.00		95.6	68.9-126			
Toluene	1.92	0.050	mg/kg	2.00		96.0	71.7-126			
Total Xylenes	5.87	0.150	mg/kg	6.00		97.9	71.4-125			

LCS Dup (0090202-BSD1)

Prepared & Analyzed: 09/02/20

Surrogate: 4-Bromofluorobenzene (PID)	0.0516		mg/kg	0.0500		103	73.3-129			
Benzene	2.04	0.050	mg/kg	2.00		102	72.2-131	7.17	14.6	
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	68.9-126	6.32	18.9	
Toluene	2.05	0.050	mg/kg	2.00		102	71.7-126	6.59	17.4	
Total Xylenes	6.25	0.150	mg/kg	6.00		104	71.4-125	6.24	18.5	

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Roddy Production
P.O. Box 2221
Farmington CO, 87499

Project: BTEX, TPH, CI
Project Name / Number: Raymond Simmons
Project Manager: Jeremy Divine

Reported:
09/03/20 17:26

Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0090210 - General Prep - Organics

Blank (0090210-BLK1)

Prepared & Analyzed: 09/02/20

Surrogate: 1-Chlorooctadecane	45.0		mg/kg	50.0		90.0	42.2-156			
Surrogate: 1-Chlorooctane	42.9		mg/kg	50.0		85.8	44.3-144			
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
GRO C6-C10	ND	10.0	mg/kg							

LCS (0090210-BS1)

Prepared & Analyzed: 09/02/20

Surrogate: 1-Chlorooctadecane	48.1		mg/kg	50.0		96.3	42.2-156			
Surrogate: 1-Chlorooctane	46.0		mg/kg	50.0		92.0	44.3-144			
DRO >C10-C28	225	10.0	mg/kg	200		113	80-132			
GRO C6-C10	209	10.0	mg/kg	200		104	78.8-127			
Total TPH C6-C28	434	10.0	mg/kg	400		109	81.3-128			

LCS Dup (0090210-BSD1)

Prepared & Analyzed: 09/02/20

Surrogate: 1-Chlorooctadecane	46.9		mg/kg	50.0		93.8	42.2-156			
Surrogate: 1-Chlorooctane	44.1		mg/kg	50.0		88.2	44.3-144			
DRO >C10-C28	221	10.0	mg/kg	200		110	80-132	2.08	17.1	
GRO C6-C10	211	10.0	mg/kg	200		106	78.8-127	1.18	15.1	
Total TPH C6-C28	432	10.0	mg/kg	400		108	81.3-128	0.501	15	

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis *Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Fax: (970) 247-4227

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75 Suttle St Durango, CO 81303

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006

COC - Revision 6.0

[illegible]

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

ADDITIONAL REMARKS: Report to State? (Circle)

Relinquished by:		Date:	Time:	Received by:	ADDITIONAL REMARKS:	Report to State? (Circle)
						Yes No
Jeremy Dime	8-27-20	3:30 PM	Chris Clark			
Chris Clark	8/27/20	11:55	Kangaroo Express			
Kangaroo Express	8/28/20	0900	Blitz Bar	5.8/5.9°C	GAB once located	
				6.0	CC	
				Temperature at receipt:	CHECKED BY	On Ice
						No Ice

† GAL cannot always accept verbal changes. Please fax or email written change requests.

* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.

Just Click Printing Form #17-0301

Page 9 of 9 2008346 GAL_WSUB FINAL 09 03 20 1726 09/03/20 17:26:42



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	DepthWell	DepthWater	Water Column
SJ 00136		SJAR	SJ	2	4	17	30N	11W		231716	4078065*	69	35	34
SJ 00159		SJAR	SJ	1	3	17	30N	11W		230530	4078103*	35	8	27
SJ 00166		SJAR	SJ	3	2	17	30N	11W		231332	4078482*	48	11	37
SJ 00234		SJAR	SJ	1	4	17	30N	11W		231324	4078076*	54	23	31
SJ 00411		SJAR	SJ	1	4	17	30N	11W		231324	4078076*	60	25	35
SJ 00457		SJAR	SJ	2	1	4	17	30N	11W	231423	4078175*	52	18	34
SJ 00650		SJAR	SJ	3	1	4	17	30N	11W	231223	4077975*	49	18	31
SJ 00665		SJAR	SJ	1	2	17	30N	11W		231341	4078888*	28	14	14
SJ 00745		SJAR	SJ		2	17	30N	11W		231533	4078683*	54	30	24
SJ 01057		SJAR	SJ	3	2	17	30N	11W		231332	4078482*	63	28	35
SJ 01060		SJAR	SJ	3	2	17	30N	11W		231332	4078482*	58	23	35
SJ 01200		SJAR	SJ	4	2	17	30N	11W		231731	4078471*	50	20	30
SJ 01296		SJAR	SJ	2	3	17	30N	11W		230927	4078089*	50	10	40
SJ 01342		SJAR	SJ	1	1	2	17	30N	11W	231240	4078987*	26	5	21
SJ 01528		SJAR	SJ	1	1	17	30N	11W		230548	4078912*	26	10	16
SJ 01722		SJAR	SJ		1	17	30N	11W		230745	4078706*	20	8	12
SJ 01722 POD2		SJAR	SJ	4	2	1	17	30N	11W	230985	4078712	17	3	14
SJ 01810		SJAR	SJ	4	3	17	30N	11W		230916	4077685*	29	9	20
SJ 01847		SJAR	SJ	1	4	17	30N	11W		231324	4078076*	30	6	24

Station	Agency	Lat	Long	Alt	Mag	Year	Mag	Year	Mag	Year	Mag	Year
SJ 01899	SJAR	SJ	2 3 1 17	30N 11W	230643	4078604*		27	7	20		
SJ 01948	SJAR	SJ	2 1 17	30N 11W	230944	4078900*		21	3	18		
SJ 02018	SJAR	SJ	2 4 17	30N 11W	231716	4078065*		100	40	60		
SJ 02817	SJAR	SJ	2 2 1 17	30N 11W	231043	4078999*		15				
SJ 03219	SJAR	SJ	2 4 2 17	30N 11W	231830	4078570*		68	38	30		
SJ 03241	SJAR	SJ	3 3 2 17	30N 11W	231231	4078381		75	20	55		
SJ 03249	SJAR	SJ	2 2 3 17	30N 11W	231026	4078188*		55	12	43		
SJ 03261	SJAR	SJ	2 2 4 17	30N 11W	231815	4078164*		88	50	38		
SJ 03266	SJAR	SJ	3 4 1 17	30N 11W	230837	4078392*		30	10	20		
SJ 03269	SJAR	SJ	4 3 2 17	30N 11W	231431	4078381*		80	10	70		
SJ 03276	SJAR	SJ	4 1 3 17	30N 11W	230629	4078002*		60	20	40		
SJ 03319	SJAR	SJ	4 3 1 17	30N 11W	230643	4078404*		55	31	24		
SJ 03373	SJAR	SJ	3 1 1 17	30N 11W	230447	4078811*		50	35	15		
SJ 03436	SJAR	SJ	3 4 1 17	30N 11W	230837	4078392*		20				
SJ 03718 POD1	SJAR	SJ	2 2 4 17	30N 11W	231815	4078164*		68	41	27		
SJ 03750 POD1	SJAR	SJ	3 3 1 17	30N 11W	230499	4078391		20	6	14		
SJ 03771 POD1	SJAR	SJ	3 3 1 17	30N 11W	230499	4078391		20	6	14		
SJ 03821 POD 1	SJAR	SJ	3 4 1 17	30N 11W	230826	4078404		13	1	12		
SJ 03853 POD1	SJAR	SJ	2 1 4 17	30N 11W	231375	4078263		38	24	14		
SJ 04096 POD1	SJAR	SJ	4 3 2 17	30N 11W	231379	4078288		66	25	41		
SJ 04150 POD1	SJAR	SJ	2 3 1 17	30N 11W	230627	4078637		20	15	5		
SJ 04274 POD1	SJAR	SJ	1 3 1 17	30N 11W	230507	4078501		30	30	0		
SJ 04355 POD1	SJAR	SJ	4 2 1 17	30N 11W	231070	4078824		40				
SJ 04356 POD1	SJAR	SJ	4 2 1 17	30N 11W	231094	4078739		40				

Average Depth to Water:	18 feet
Minimum Depth:	1 feet
Maximum Depth:	50 feet

Record Count: 43

PLSS Search:

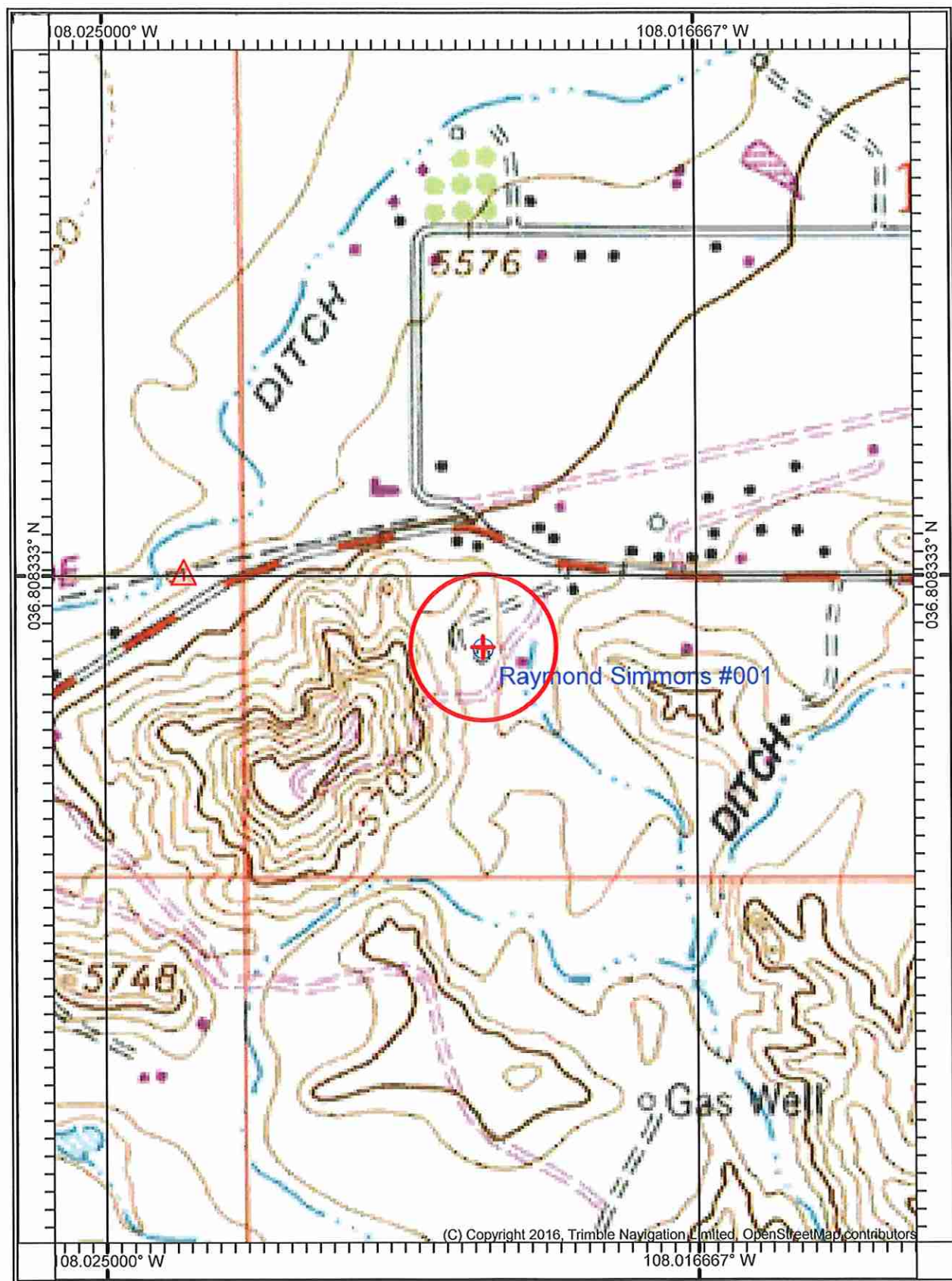
Section(s): 17 **Township:** 30N **Range:** 11W

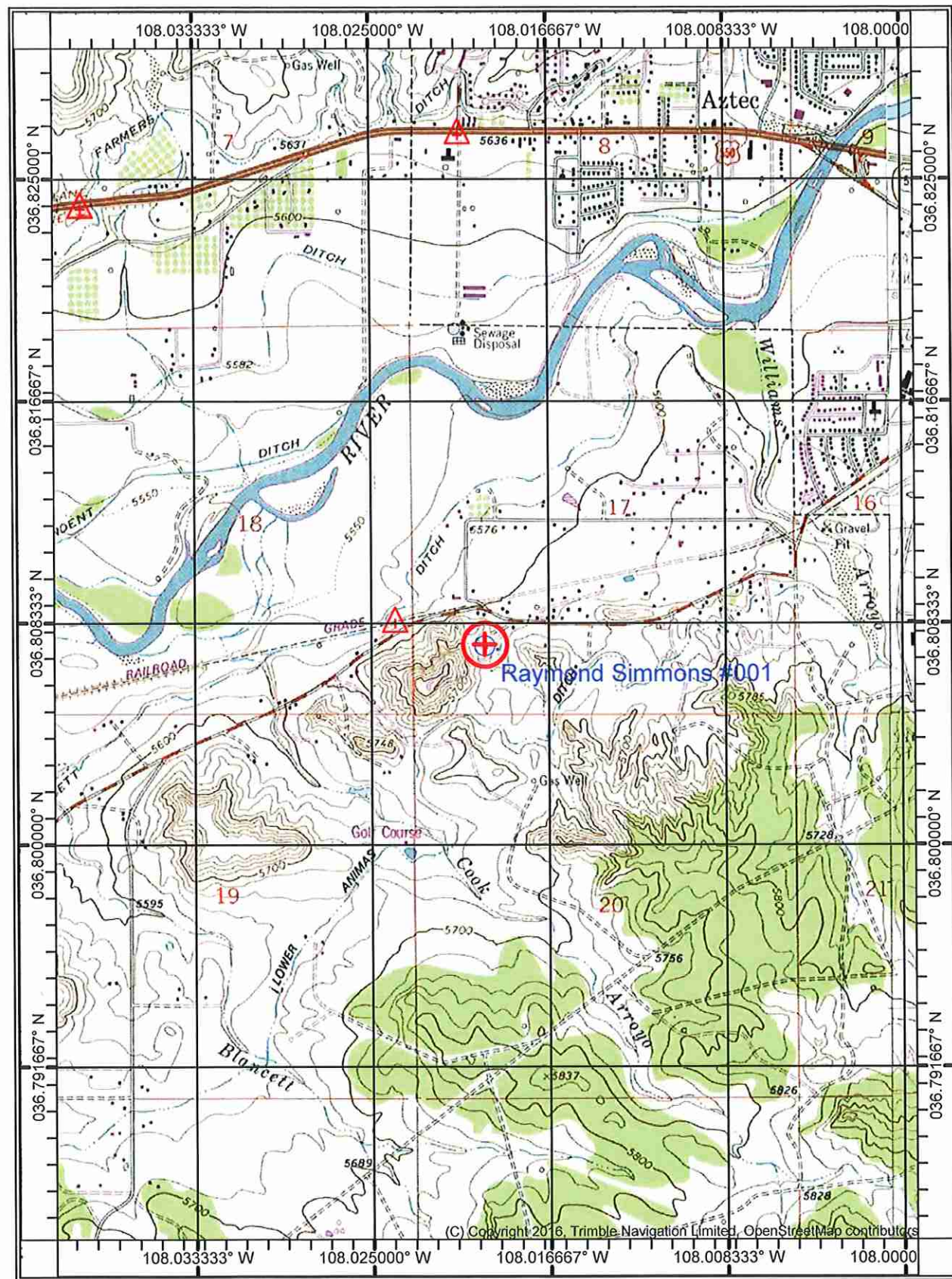
*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

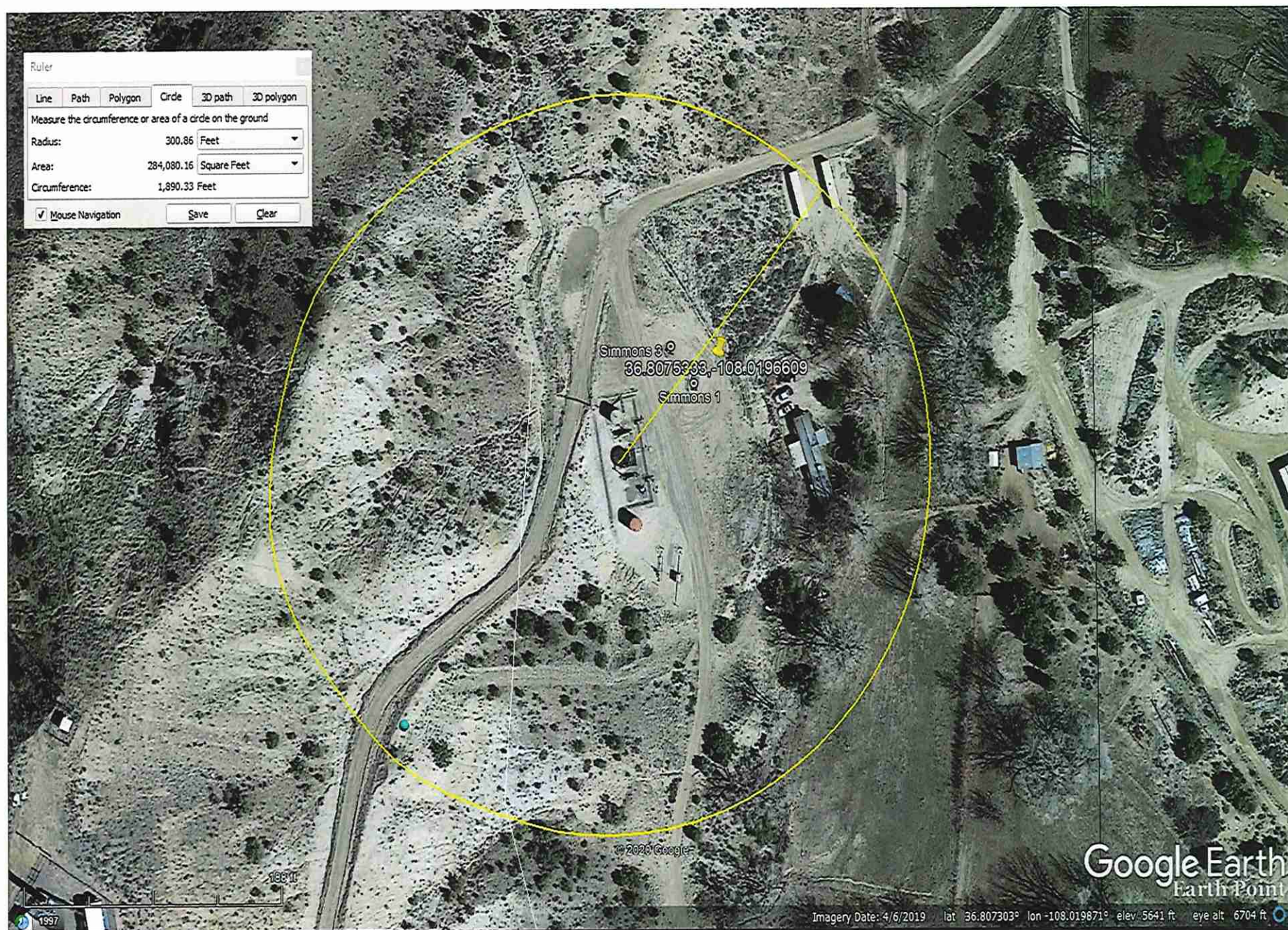
10/14/20 3:23 PM

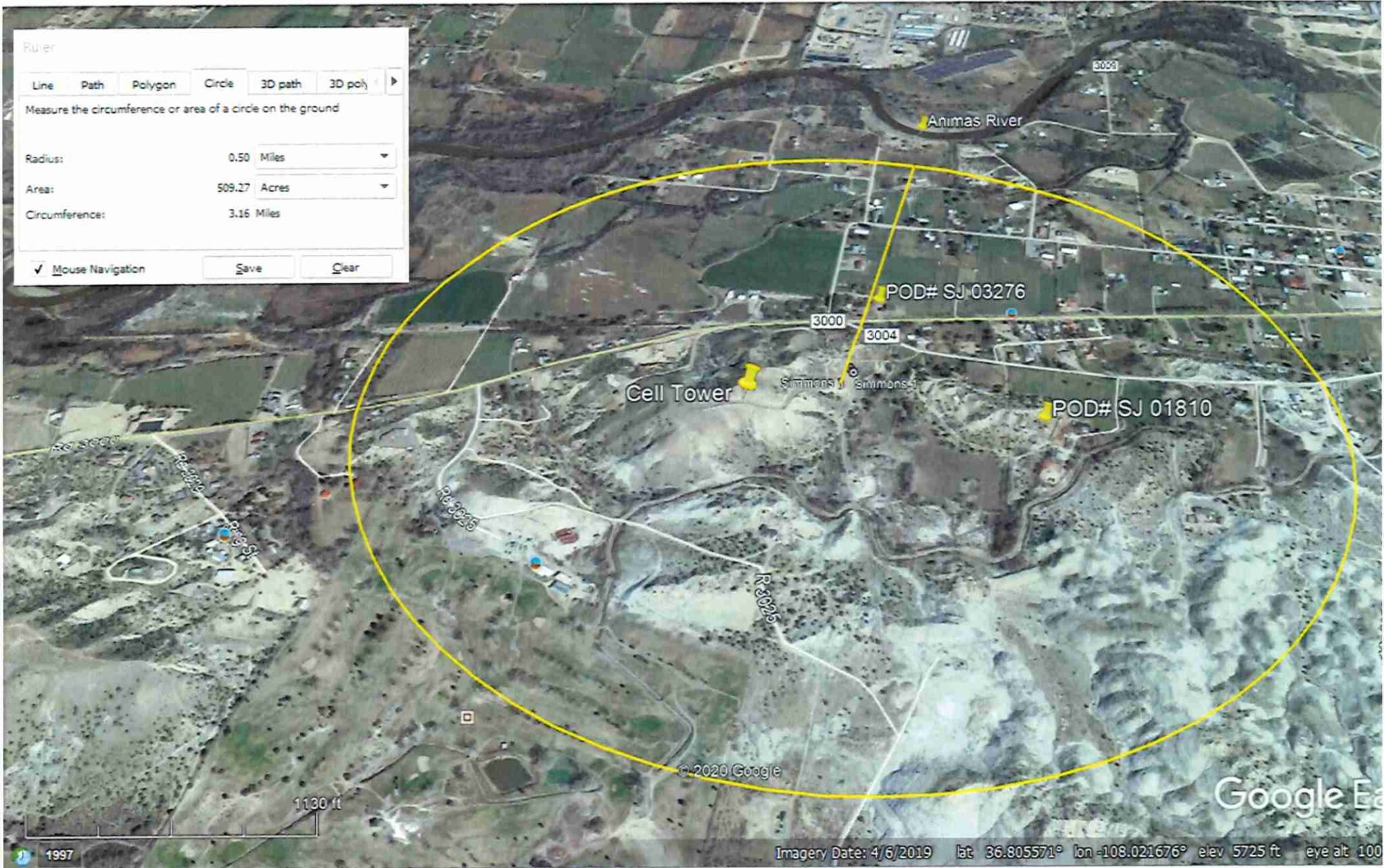
WATER COLUMN/ AVERAGE DEPTH TO
WATER





Raymond Simmons #001







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
	SJ 03276	4	1	3	17	30N	11W	230629	4078002*

Driller License: 1479 **Driller Company:** THREE 3-D DRILLING

Driller Name: DEE GILES

Drill Start Date: 07/01/2003 **Drill Finish Date:** 07/01/2003 **Plug Date:**

Log File Date: 07/08/2003 **PCW Rev Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 30 GPM

Casing Size: 6.63 **Depth Well:** 60 feet **Depth Water:** 20 feet

Water Bearing Stratifications:	Top	Bottom	Description
	40	55	Sandstone/Gravel/Conglomerate

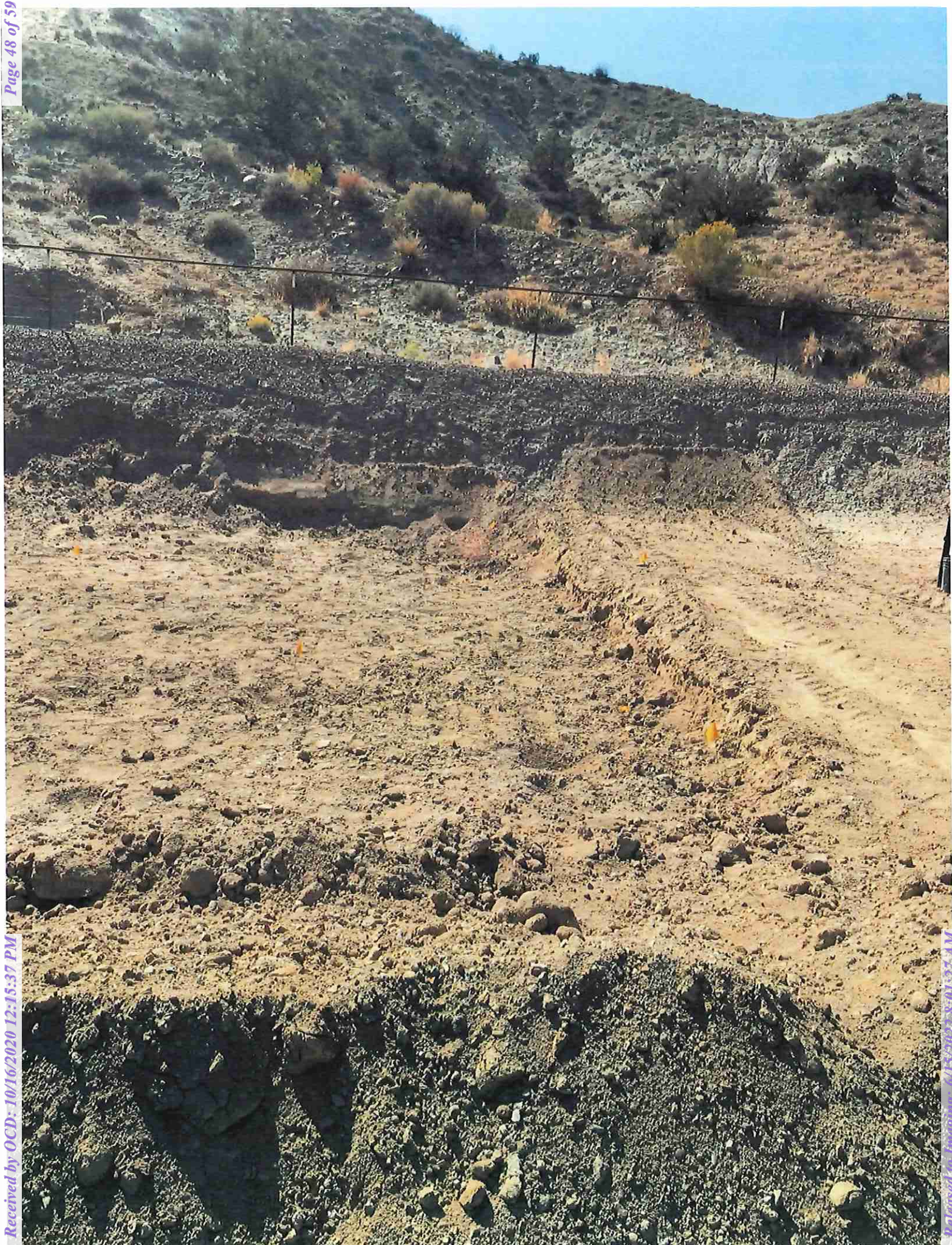
Casing Perforations:	Top	Bottom
	46	58

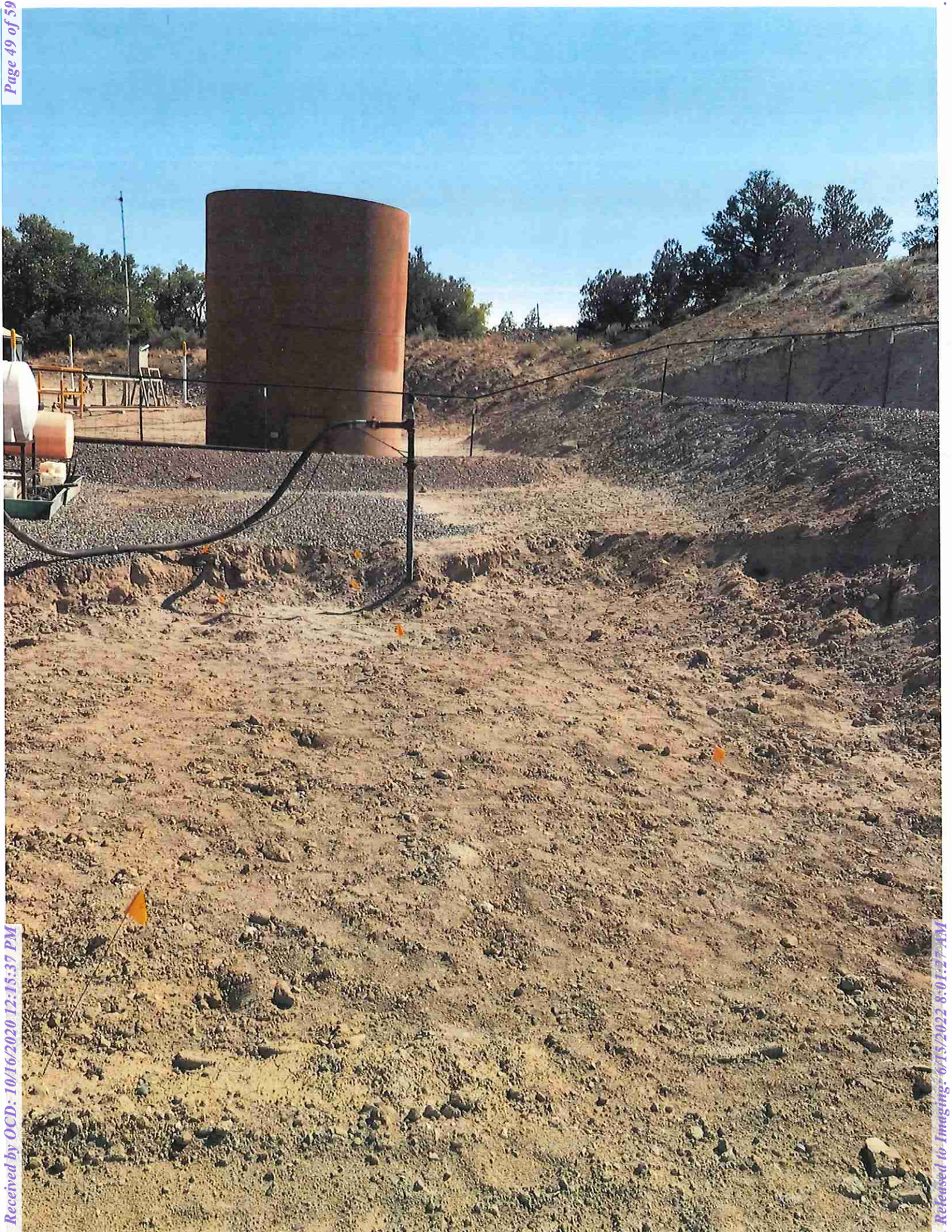
*UTM location was derived from PLSS - see Help

The data is furnished by the NM/OSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

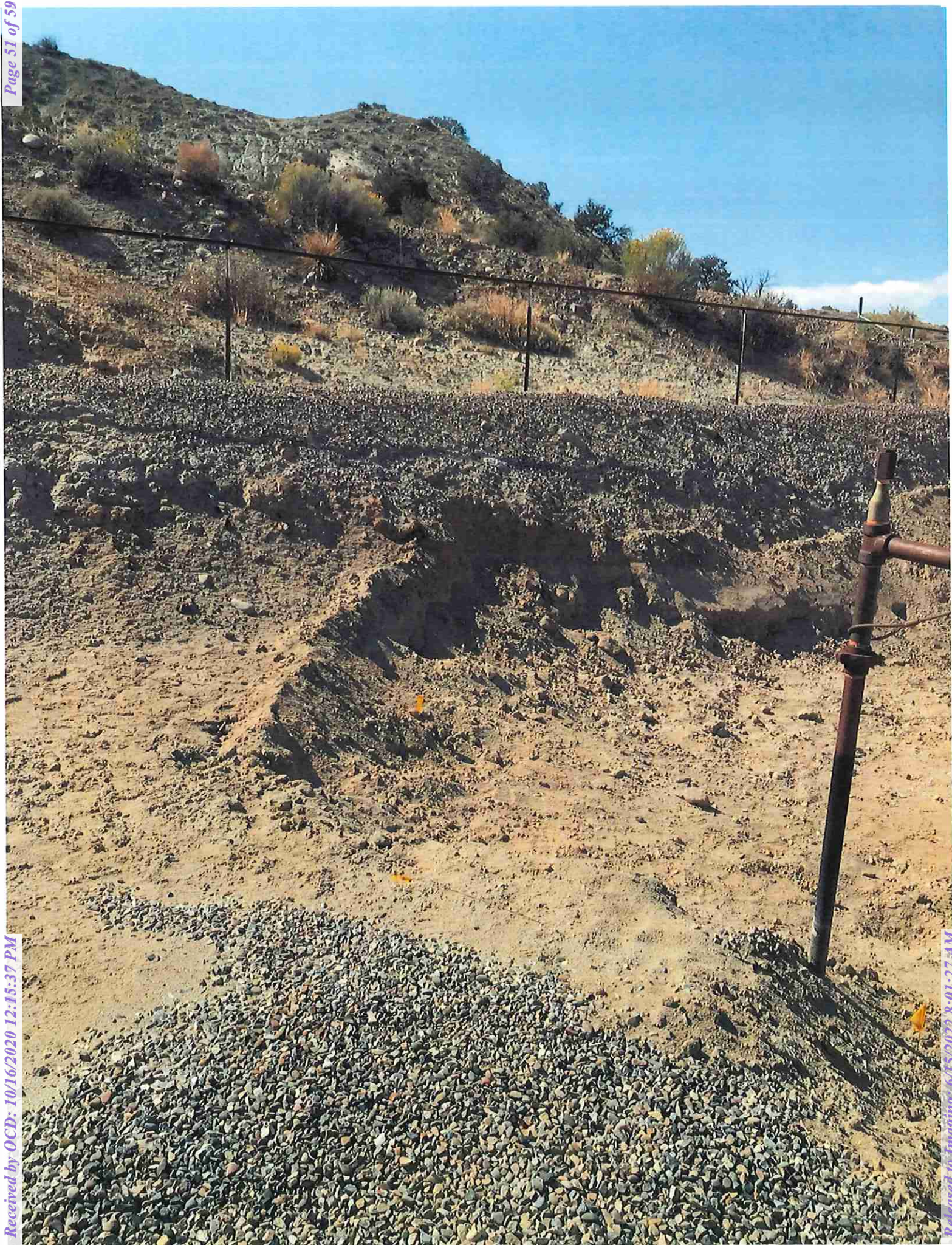
9/29/20 2:38 PM

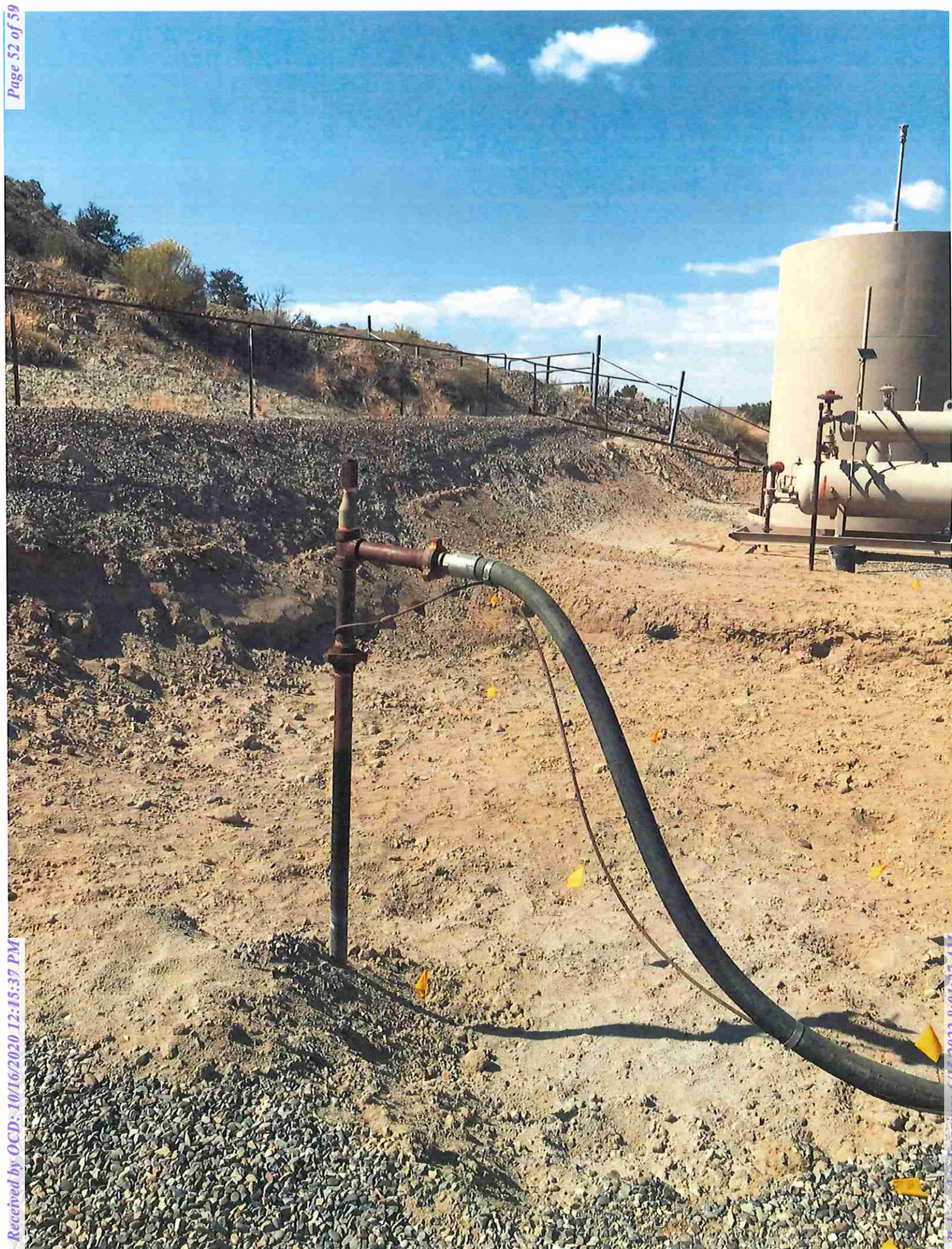
POINT OF DIVERSION SUMMARY

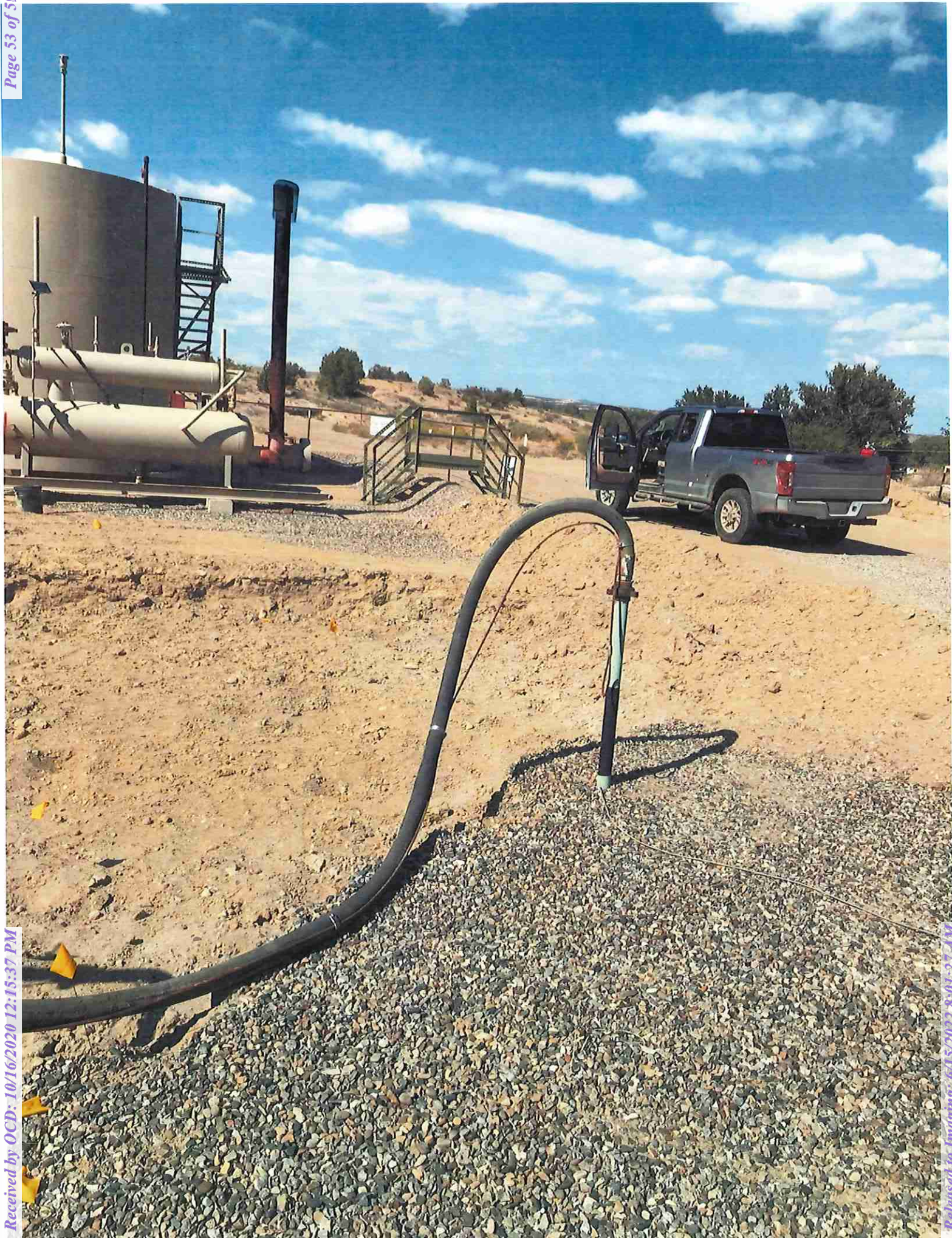




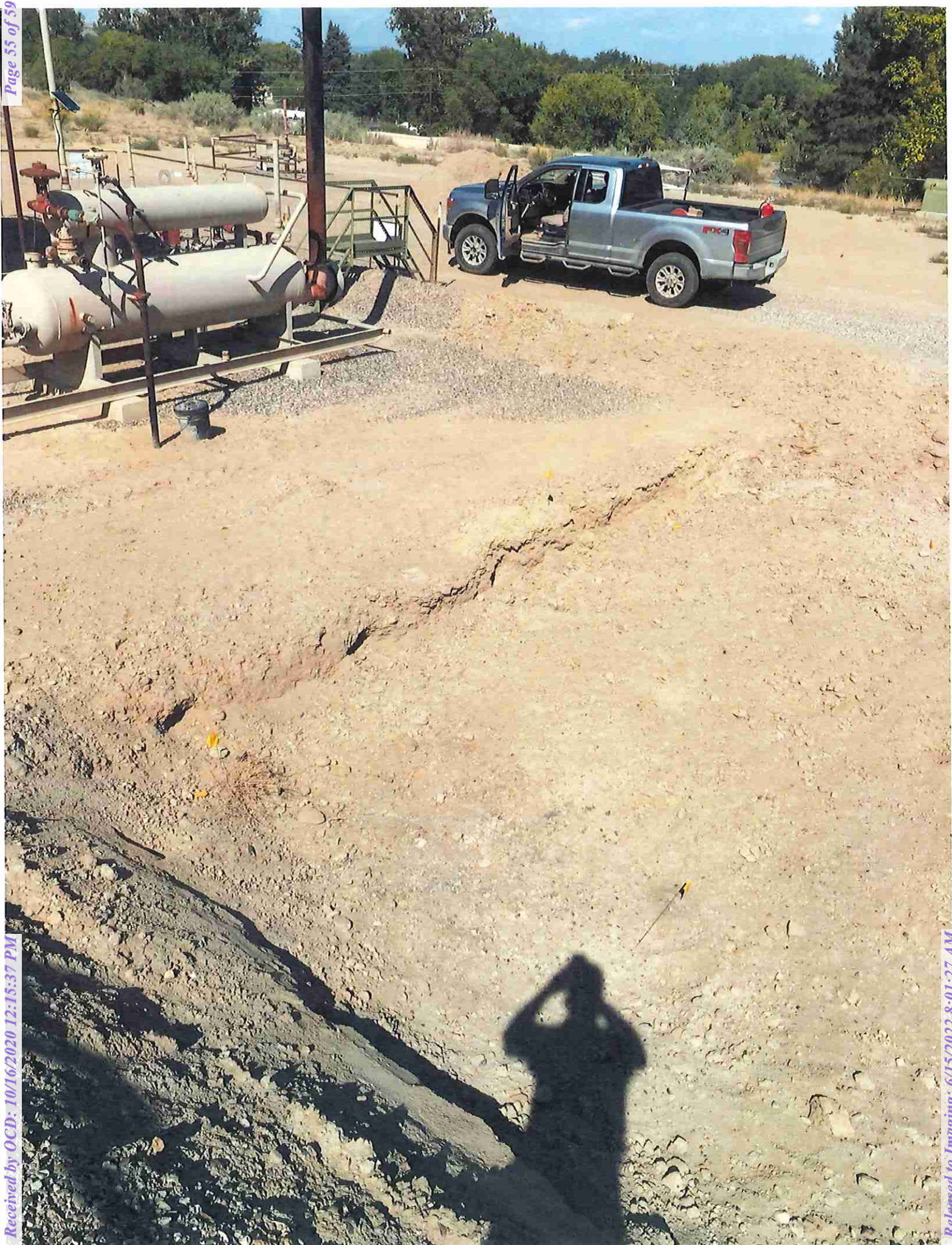




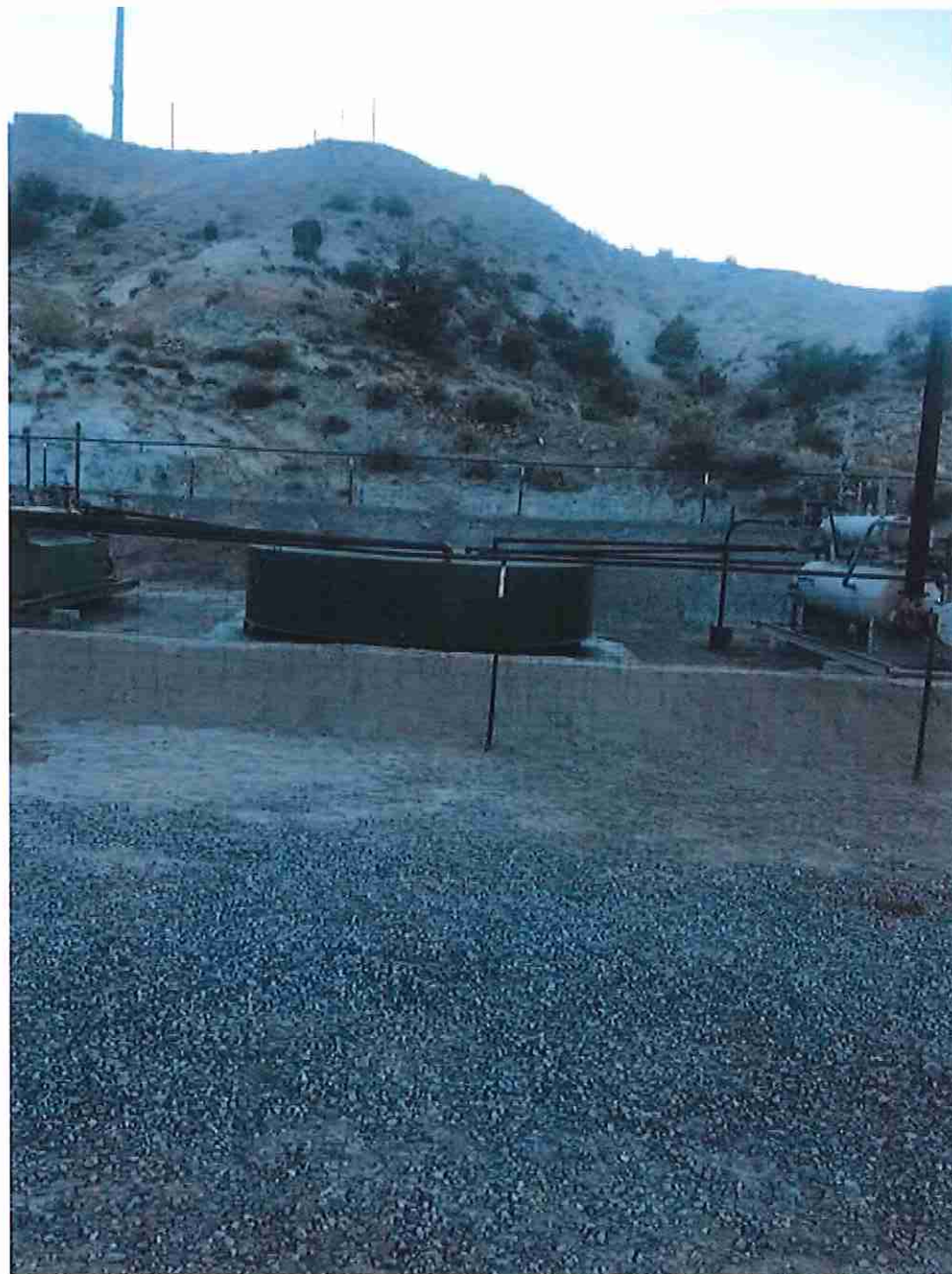


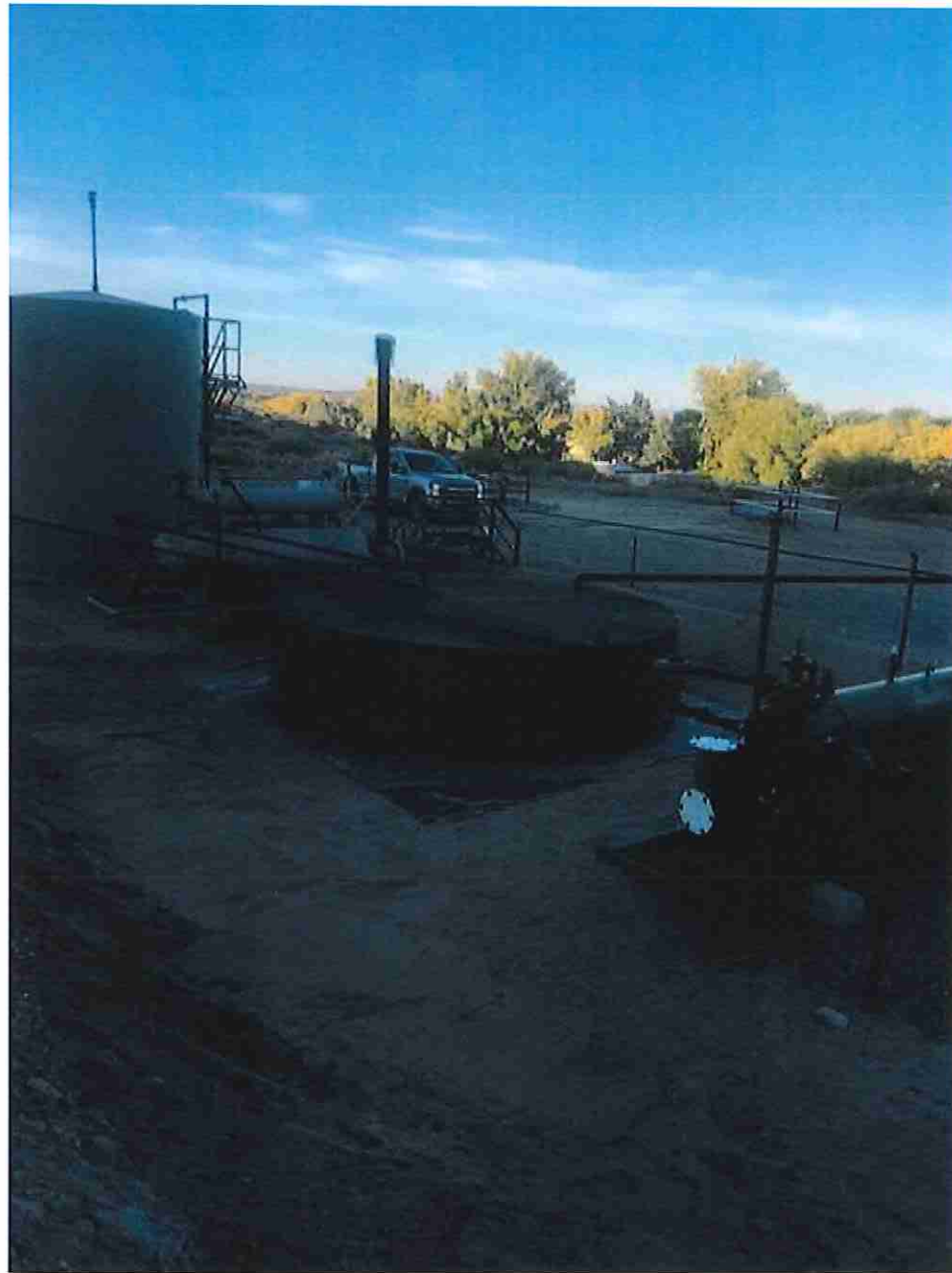












District I
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Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. 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 10706

CONDITIONS

Operator: RODDY PRODUCTION CO INC 4001 N. BUTLER, BLDG 7101 Farmington, NM 87401	OGRID: 36845
	Action Number: 10706
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	6/15/2022