

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	NCS1927552019
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: LOGOS Operating, LLC	OGRID: 289408
Contact Name: Tamra Sessions	Contact Telephone: 505-324-4145
Contact email: tsessions@logosresourcesllc.com	Incident # (assigned by OCD)
Contact mailing address: 2010 Afton Place Farmington, NM 87401	

Location of Release Source

Latitude 36.8723412 Longitude -107.3201752
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Rosa Unit 376A	Site Type: Well
Date Release Discovered: 9/3/2019	API# (if applicable): 30-039-29705

Unit Letter	Section	Township	Range	County
E	25	31N	5W	Rio Arriba

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)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls): Unknown	Volume Recovered (bbls): 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input 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:

OCD inspectors found hydrocarbon staining in tank containment berms from a prior release, no visible sign of current leak, staining characteristics appear to indicate volume size was reportable.

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: Tamra Sessions Title: Regulatory Specialist

Signature:  Date: 7/24/20

email: tsessions@logosresourcesllc.com Telephone: (505) 324-4145

OCD Only

Received by: _____ Date: _____

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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?	88 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.

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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: _Tamra Sessions_ Title: ___Regulatory Specialist___

Signature:  Date: __7/24/20__

email: _tsessions@logosresourcesllc.com_ Telephone: _(505) 324-4145_

OCD Only

Received by: _____ Date: _____

Incident ID	NCS1927552019
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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: Tamra Sessions Title: Regulatory Specialist

Signature:  Date: 7/24/20

email: tsessions@logosresourcesllc.com Telephone: (505) 324-4145

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:  Date: 3/26/2021

Printed Name: Cory Smith Title: Environmental Specialist



July 24, 2020

Cory Smith
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Incident # nCS1927552019

RE: Hydrocarbon staining in tank containment berms from a prior release, no visible sign of current leak, staining characteristics appear to indicate volume size was reportable at the Rosa Unit 376A well site. Located in Section 25, Township 31 North, Range 5 West, Rio Arriba, New Mexico.

Dear Mr. Smith,

On September 10, 2019, LOGOS Operating, LLC pulled remaining stormwater, steam cleaned, spread nitrogen and sprayed simple green over the gravel. The entire area was raked in.

A confirmation sample was scheduled and taken on November 1, 2019. The secondary containment was divided into two areas SS1 and SS2. Two 5-point composite samples were collected, as documented in the enclosed Aerial Site map, and Figure 1 – Site pictures. This application was rejected by NMOCD due to no photos of remediation.

LOGOS requested for an extension due to the COVID-19 shut down.

LOGOS collected composite grab samples from SS1 and SS2, placed into Ziploc bags, mixed, and added into individual laboratory 4-ounce jars, capped head space free and transported on ice to Envirotech. The samples were analyzed for TPH as gasoline diesel, and oil range organics (GRO/DRO/ORO) using EPA Method 8015D; benzene, Toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B and chlorides using EPA Method 300.0.

Final Sample Results								
Sample Description	Date	Sample Depth	EPA Method 8015		EPA Method 8021		EPA Method 300.0	
			GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Benzene (mg/kg)	Total BTEX (mg/kg)	Chlorides (mg/kg)
19.15.29.13 (D) NMAC			100 mg/kg			10 mg/kg	50 mg/kg	600 mg/kg
19.15.29.12 NMAC			1000 mg/kg					20,000 mg/kg
			2500 mg/kg					
SS-1	11/1/2019	grab	ND	ND	ND	ND	ND	71.6
SS-2	11/1/2019	grab	ND	ND	59.9	ND	ND	120

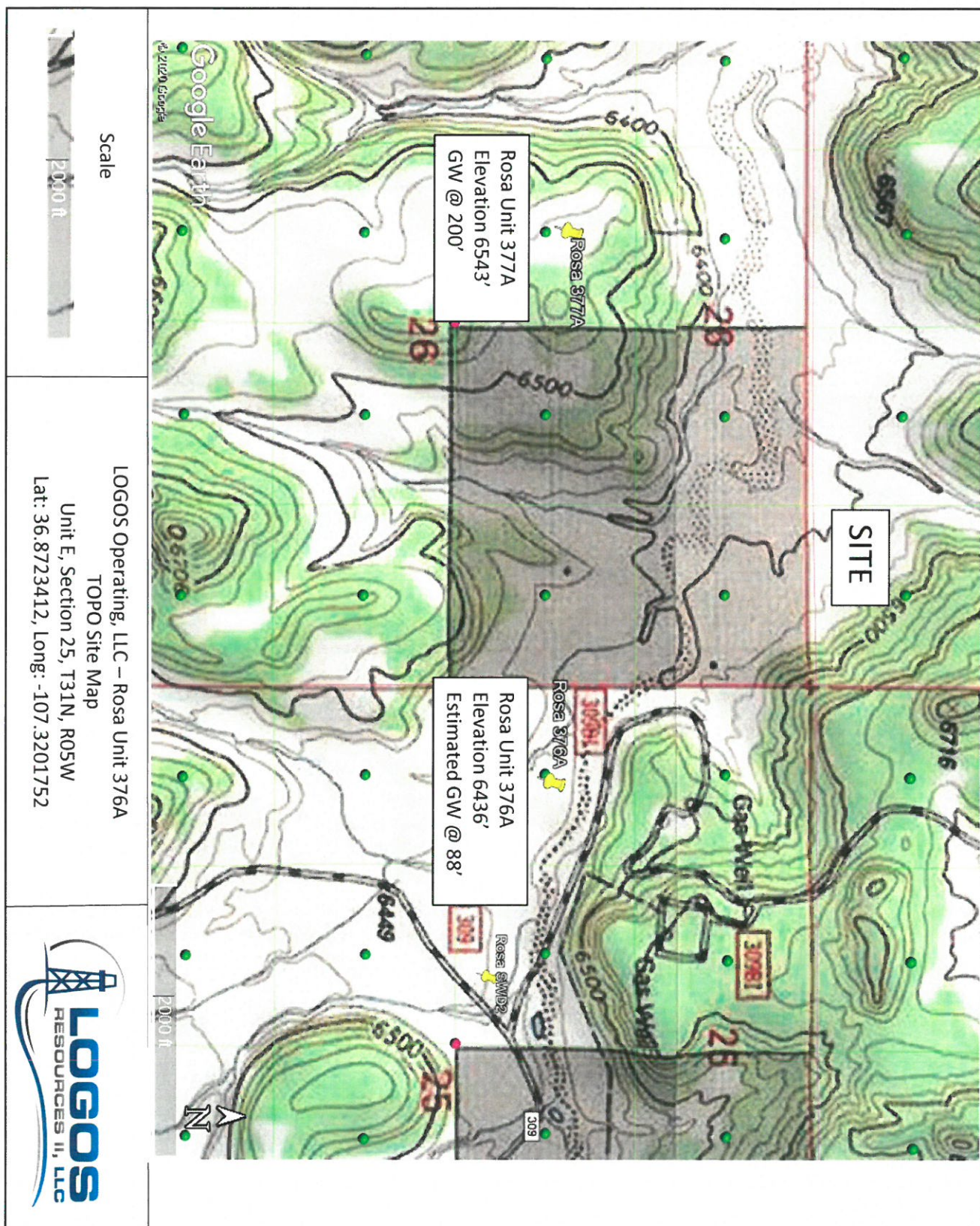
The historical release was contained in the secondary containment of an active well site, depth to groundwater was assessed as being greater than 50 feet, but less than 100 feet. The groundwater data is documented in the enclosed TOPO Site Map. The Rosa Unit 377A cathodic data has GW @ 200' with an elevation of 6543' and the elevation for the Rosa Unit 376A is at 6436' with an estimated GW @±88 feet.

Therefore, based on the composite grab sample activities and the laboratory analytical results confirms that concentrations of contaminants are below the applicable release, remediation/reclamation limits and no further action is required and LOGOS request a release and remediation/reclamation closure approval from NMOCD.

Sincerely,

Tamra Sessions
Regulatory Specialist
Cell: 505-330-9333
Office: 505-324-4145
tsessions@logosresourcesllc.com





In Service Report

Company Name: **Williams Production Co.**
 In Service Date: 7-7-09
 Power Source: Solar

Well Name: Rosa Unit # 377A
 Dual Well Name:
 KWH Meter:

Ground Bed Data

Date Drilled: 7-6-09

Total Depth: 500'

Casing: Size: 8" PVC

1 ST Water Depth: 200'

Gas Depth:

Anodes: 10

Number:

Date Anodes Installed: 7-6-09

Hole Size: 6 3/4"

Depth: Cement: SX #

2 ND Water Depth:

Other:

Type: Silicon Iron

Weight: 45 lbs.

Anode Depth:	1 6.7	2 4.8	3 8.9	4 8.1	5 4.2	6 8.2	7 6.6	8 4.6
	9 7.2	10 6.9	11	12	13	14	15	
Anode Output:	1 480	2 470	3 460	4 450	5 440	6 430	7 420	8 410
	9 400	10 390	11	12	13	14	15	

Vent Pipe: Size: 1" PVC

Coke: 40 bags Total Weight: 2500 lbs.

Cement: SX:

Ground Bed Fill Material: 1/2" Rock

Perforation: 140'

From: 500' To: 360'

Type: Loresco SWS From: 500' To: 360'

Type: From: To:

From: 360' To: Surface

Solar Data

Manufacturer: J. A. Electronics

Serial# 2090049

Model PV II

DC Rating: Volts: 12

Amps: 6

DC Output:

Day: Volts: 6

Amps: 5.6

Night: Volts: 4

Amps: 4.2

Well Amps

Well #1 Rosa 381A

Well #2

Well #3

Casing: Flow Line:

Casing: Flow Line:

Casing: Flow Line:

Day: 5.3 .6

Day:

Day:

Night: 4.1 .5

Night:

Night:

Pipe To Soil Potential

Well #1

Well #2

Well #3

Casing: Flow Line:

Casing: Flow Line:

Casing: Flow Line:

Off: -.69 -.78

Off:

Off:

On: -1.04 -1.09

On:

On:

Remarks:

In Lieu of
Form 3160-4
(July 1992)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTSUBMIT IN
DUPLICATE(See other instructions on
reverse side)FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER				7. UNIT AGREEMENT NAME Rosa Unit	
b. TYPE OF COMPLETION: <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER				8. FARM OR LEASE NAME, WELL NO Rosa Unit COM #377A	
2. NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY				9. API WELL NO 30-039-29925-0051	
3. ADDRESS AND TELEPHONE NO. P.O. Box 640, Aztec, NM 87410 (505) 634-4208				10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At Surface: 1895' FNL & 1915' FWL, Sec 26 (F), T31N, R5W At top production interval reported below: 1166' FNL & 1157' FWL, Sec 26 (D), T31N, R5W At total depth: Same				11. SEC., T., R., AL, OR BLOCK AND SURVEY OR AREA SEC 26-31N-5W	
15. DATE SPUDDED 8-29-08		16. DATE T.D. REACHED 9-22-08		12. COUNTY OR Rio Arriba	
17. DATE COMPLETED (READY TO PRODUCE) 10-24-08		18. ELEVATIONS (DR, NKB, AT, GR, ETC.)* 6543' GR		13. STATE New Mexico	
20. TOTAL DEPTH, MD & TVD 3691' MD / 3497' TVD		21. PLUG BACK T.D., MD & TVD 3679' MD / 3485' TVD		19. ELEVATION CASING HEAD	
22. IF MULTICOMP. HOW MANY				23. INTERVALS DRILLED BY	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Basin Fruitland Coal: 3460' - 3591' MD				25. WAS DIRECTIONAL SURVEY MADE YES	
26. TYPE ELECTRIC AND OTHER LOGS RUN Mud Logging only on this well				27. WAS WELL CORED NO	

28. CASING REPORT (Report all strings set in well)

CASING SIZE-GRADE	WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8", K-55	36.0#	337'	12-1/4"	150 SX - SURFACE	
7", K-55	23.0#	3453'	8-3/4"	525 SX - SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2", 15.5# K-55	3301'	3679'	0 SX		2-7/8", 6.5# J-55	3617'	

31. PERFORATION RECORD (Interval, size, and number)

Basin Fruitland Coal - 3460' - 3591' MD

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	Well was not fraced or acidized

33. PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
		Flowing				SI - waiting on tie-in	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
10-17-08	1 hr	2"					
FLOWING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR.)
0 oz	32 oz				869 mcf/d		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

TEST WITNESSED BY: [Signature]

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

[Signature]

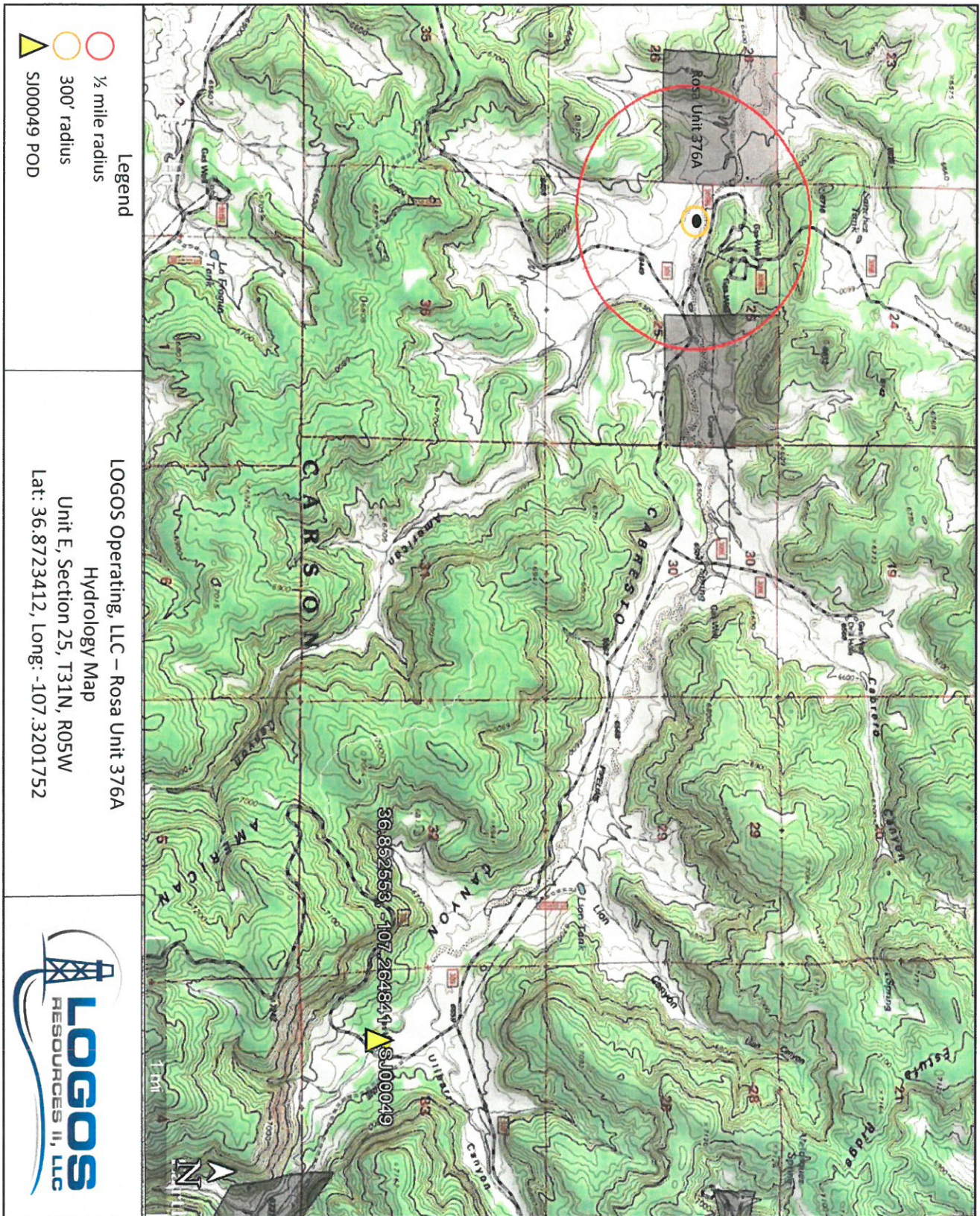
TITLE Drlg COM DATE 10-27-08

NMOC

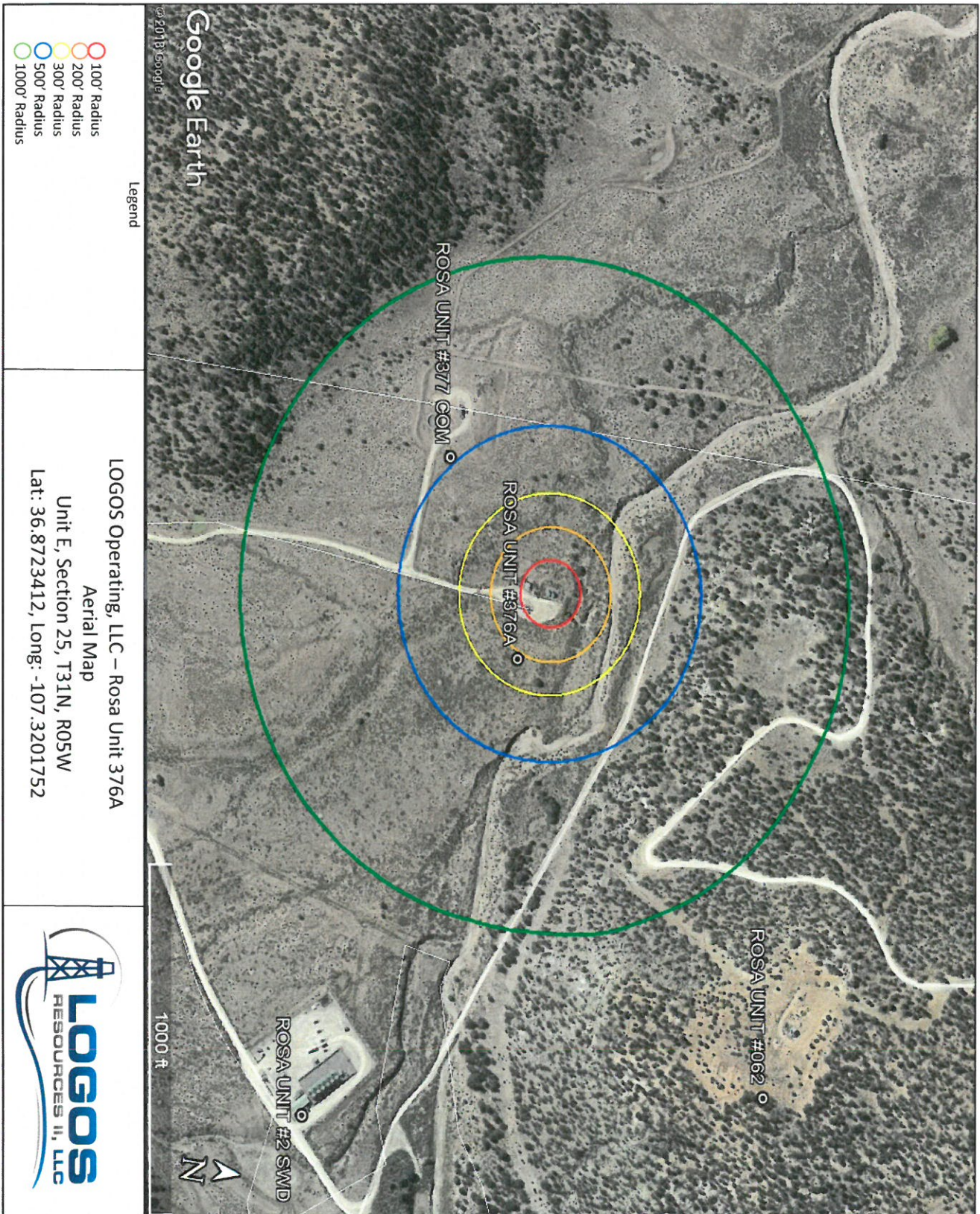
11/4/08

GARRINGTON FIELD OFFICE

6-







Field Notes for Spill Closure

Well Name: Rosa Unit 376ADate of Arrival: 11/1/2019**Observe Area**Removed contaminated soils ☐ Yes ☒ No

What chemical was used to clean-up contaminated area:

gypsum and nitrogen No need to remove soil just applied chemicalTake Picture: ☒ Before ☒ AfterEntire Spill Containment: ☒ Dry ☐ WetIf wet:
Rain, Moist, etc...**Site Delineation**☒**Sample 1:**Composite (Grab Sample) ☒ Yes ☐ NoWas (2) five-point sample taken: ☒ Yes ☐ No☒**Sample 2:**Delineation (Hand Auger) ☐ Yes ☒ NoDepths **SB - 1** ☐ 1' ☐ 2' ☐ 3' ☐ 4'**SB - 2** ☐ 1' ☐ 2' ☐ 3' ☐ 4'**SB - 3** ☐ 1' ☐ 2' ☐ 3' ☐ 4'**SB - 4** ☐ 1' ☐ 2' ☐ 3' ☐ 4'**Soil**Did soil have odor: ☐ Yes ☒ No

If so, what kind of odor:

Was soil discolored: ☒ Yes ☐ No

If so, what color:

Slightly discolored tan/brownWas the soil sandy: ☐ Yes ☒ No

Tamra Sessions

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Thursday, March 26, 2020 9:08 AM
To: Marie Florez
Cc: Powell, Brandon, EMNRD; Robert Jordan; Tamra Sessions; Krista McWilliams
Subject: RE: C-141 Extension request - update due to COVID 19

Marie,

OCD has approved the extension request for the below 3 incidents until June 26, 2020. Please include this approval in your final C-141

Thank you,

Cory

From: Marie Florez <mflorez@logosresourcesllc.com>
Sent: Wednesday, March 25, 2020 8:45 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>; Robert Jordan <rjordan@logosresourcesllc.com>; Tamra Sessions <tsessions@logosresourcesllc.com>; Krista McWilliams <kmcwilliams@logosresourcesllc.com>
Subject: [EXT] RE: C-141 Extension request - update due to COVID 19
Importance: High

Corey,

Per the OCD Notice effective March 17, inspectors will not be performing any inspections that require other parties to be on site, therefore LOGOS will postpone for final sampling during this time due to COVID 19 and is requesting an additional extension for the following wells.

Thank you,

Marie E. Florez

mflorez@logosresourcesllc.com



From: Marie Florez
Sent: Wednesday, March 18, 2020 8:01 AM
To: 'Smith, Cory, EMNRD'
Cc: Powell, Brandon, EMNRD; Robert Jordan; Tamra Sessions
Subject: RE: C-141 Extension request

LOGOS is requesting ±2 week extension after March 30th to conduct a final sample and complete all paperwork.

Marie E. Florez

mflorez@logosresourcesllc.com



From: Smith, Cory, EMNRD [<mailto:Cory.Smith@state.nm.us>]
Sent: Wednesday, March 18, 2020 7:35 AM
To: Marie Florez
Cc: Powell, Brandon, EMNRD; Robert Jordan; Tamra Sessions
Subject: RE: C-141 Extension request

Marie,

How long of an extension is Logos requesting?

From: Marie Florez <mflorez@logosresourcesllc.com>
Sent: Tuesday, March 17, 2020 5:23 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>; Robert Jordan <rjordan@logosresourcesllc.com>; Tamra Sessions <tsessions@logosresourcesllc.com>
Subject: [EXT] C-141 Extension request
Importance: High

Corey,

LOGOS is requesting an extension on the following rejected applications due to change in staff, timing of paperwork handoff and weather delay.

Logos plans to close C-141's per requirements pending results of samples. Test results should be received by March 30, 2020.

[Y9RHI-191202-C-1410](#) – Closure Report Denied. Does not meet requirements per [19.15.29.12](#). No photos of remediation. Samples don't meet reclamation requirements.

Incident # ncs1927552565

API: 30-039-29941
Well Name: Rosa Unit 322A – Deadline March 20
Section: 23
Township: 31N
Range: 5W
Unit Letter: E

[ADBLN-191205-C-1410](#) – Closure Report Denied, Incomplete C-141 for deferral. Closure/delineation samples do not meet the requirements of [19.15.29.12/13](#).

Incident # ncs1929540332

API: 30-039-25058
Well Name: Rosa Unit 312 – Deadline March 30
Section: 28
Township: 31N
Range: 4W
Unit Letter: L

[KFEG9-191125-C-1410](#) – Closure Report Denied. Does not meet requirements per [19.15.29.12](#). No photos of remediation.

Incident # ncs1927552019

API: 30-039-29705

Well Name: Rosa Unit 376A - Deadline March 20

Section:25

Township:31N

Range: 5W

Unit Letter: E

If you have any questions or concern please let us know.

Thanks,

Marie E. Florez

Regulatory Specialist

Cell: 505-419-8420

Office: 505-787-2218

mflorez@logosresourcesllc.com



Tamra Sessions

From: Larissa Farrell
Sent: Friday, July 10, 2020 1:24 PM
To: Tamra Sessions
Subject: Fw: Confirmation Sampling

Importance: High

From: Larissa Farrell
Sent: Tuesday, October 29, 2019 9:20 AM
To: Smith, Cory, EMNRD; Powell, Brandon, EMNRD
Cc: Miller JJ (jjmiller@fs.fed.us)
Subject: Confirmation Sampling

Good morning,

LOGOS Operating will be conducting confirmation sampling at the following locations on Friday November 1, 2019 beginning at 10:00am.

Rosa Unit 376A – 30-039-29705

Rosa Unit 322A – 30-039-29941

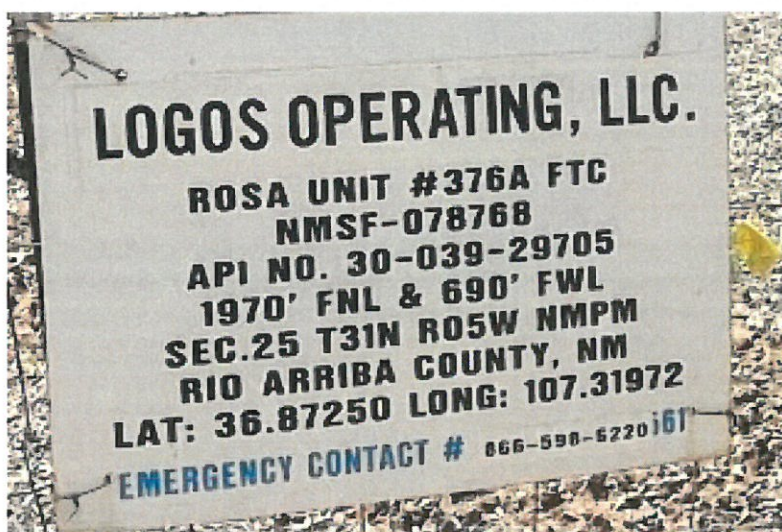
Rosa Unit 312 – 30-03925058

Thank you,

Larissa Farrell
Environmental/Regulatory Technician
Office: (505) 787-2027
Cell: (505) 419-1100
lfarrell@logosresourcesllc.com



LOGOS Operating, LLC
Site Pictures
Rosa Unit 376A
Figure: 1



Well Sign



Impacted Area



Impacted Area



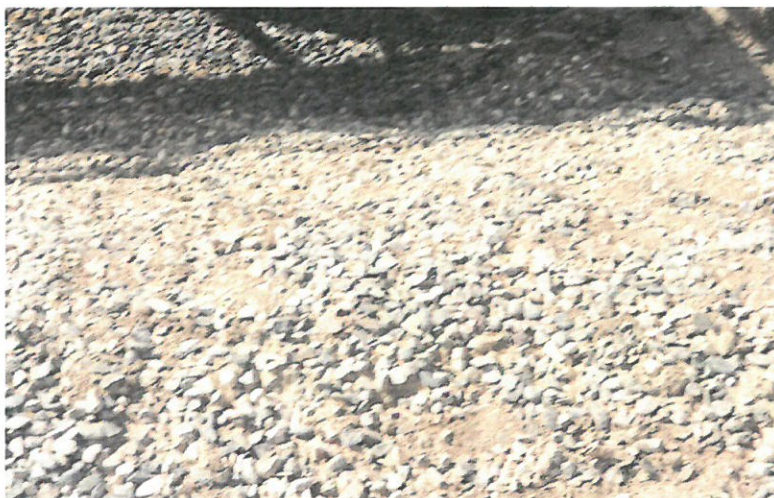
Impacted Area



Cleaning

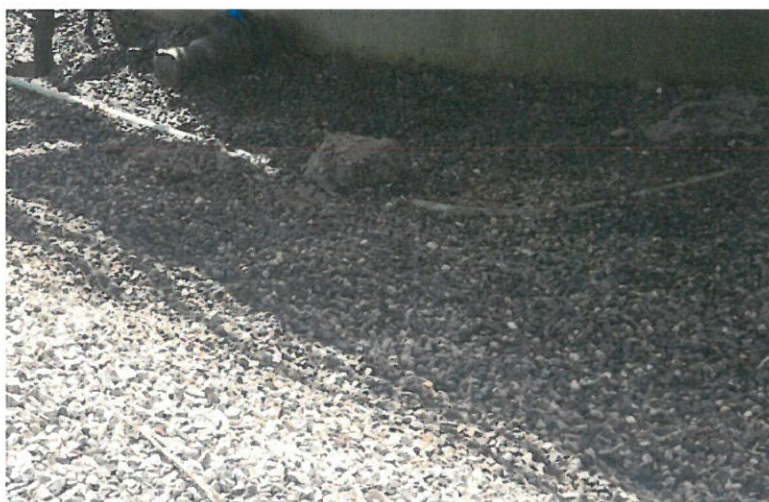
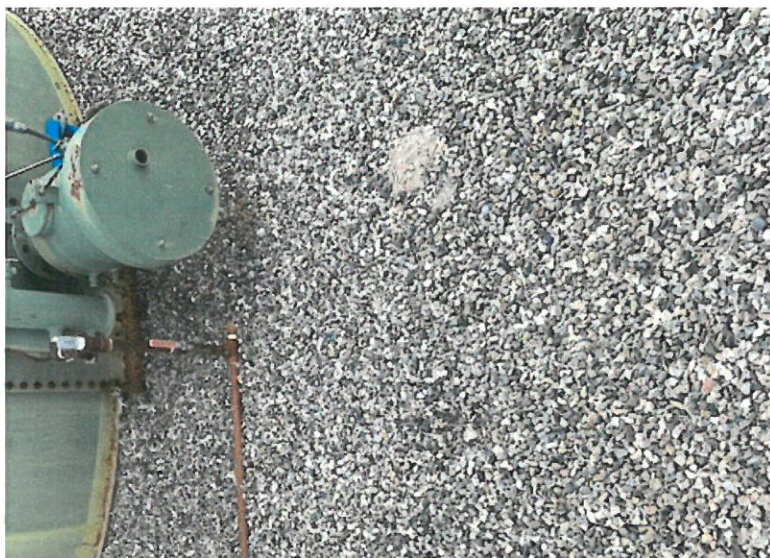


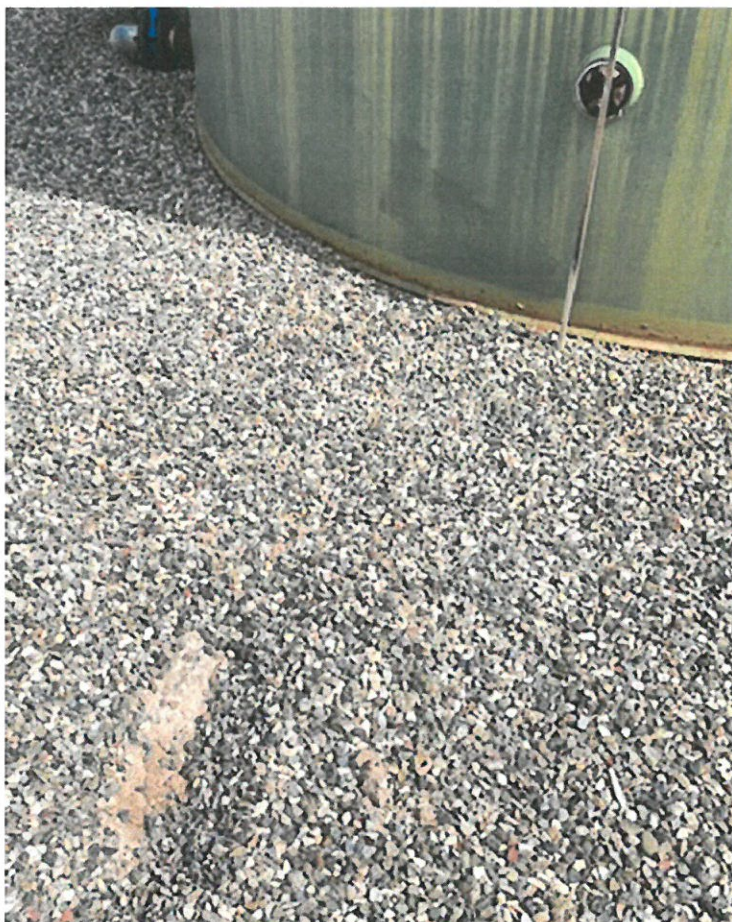
Cleaning



Gypsum added

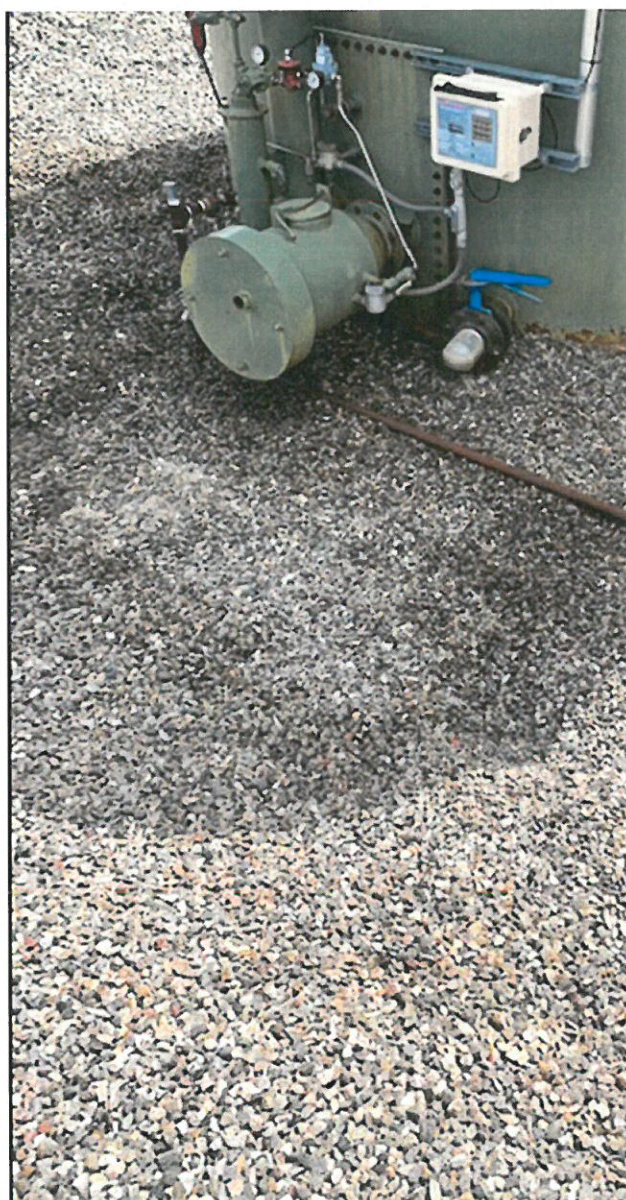
SS1 Composite Grab Sampling

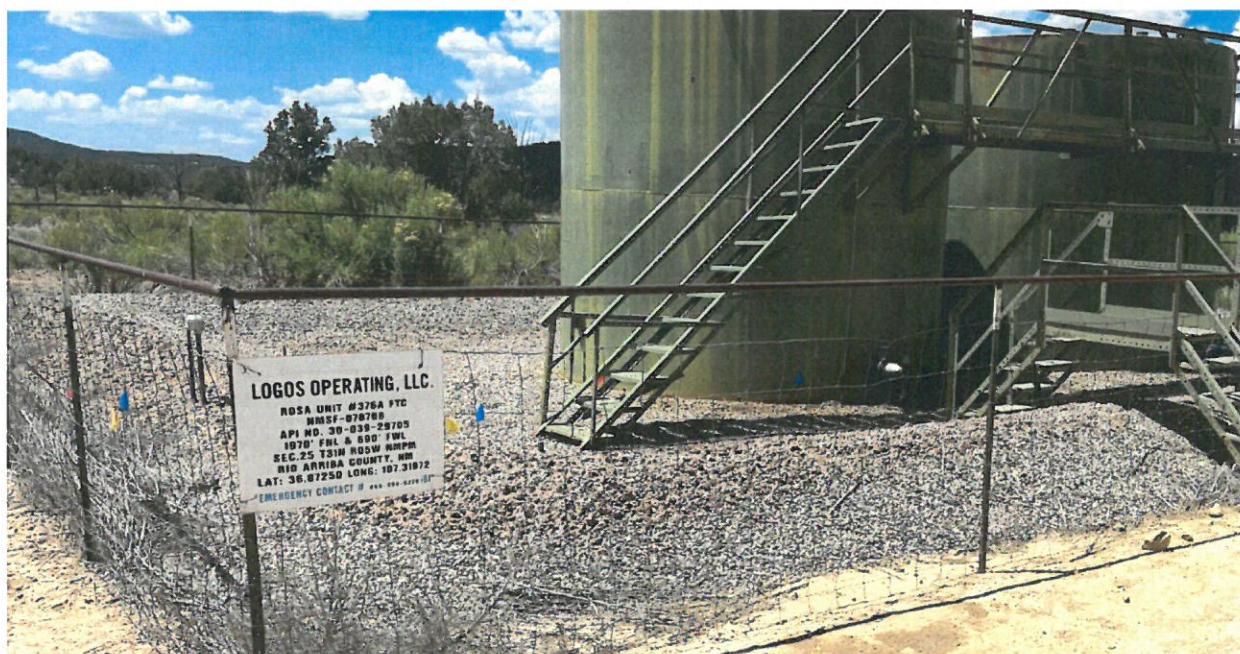




SS2 Composite Grab Sampling







After



After



Analytical Report

Report Summary

Client: Logos Operating, LLC

Samples Received: 11/1/2019

Job Number: 12035-0114

Work Order: P911003

Project Name/Location: Rosa Unit

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a horizontal line.

Date: 11/11/19

Walter Hinchman, Laboratory Director

Supplement to analytical report generated on: 11/7/19 7:14 am



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
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Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.



Logos Operating, LLC
PO Box 18
Flora Vista NM, 87415

Project Name: Rosa Unit
Project Number: 12035-0114
Project Manager: Larissa Farrell

Reported:
11/11/19 15:45

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Rosa Unit 376A SS1	P911003-01A	Soil	11/01/19	11/01/19	Glass Jar, 4 oz.
	P911003-01B	Soil	11/01/19	11/01/19	Glass Jar, 4 oz.
Rosa Unit 376A SS2	P911003-02A	Soil	11/01/19	11/01/19	Glass Jar, 4 oz.
	P911003-02B	Soil	11/01/19	11/01/19	Glass Jar, 4 oz.
Rosa Unit 322A	P911003-03A	Soil	11/01/19	11/01/19	Glass Jar, 4 oz.
	P911003-03B	Soil	11/01/19	11/01/19	Glass Jar, 4 oz.
Rosa Unit 312	P911003-04A	Soil	11/01/19	11/01/19	Glass Jar, 4 oz.
	P911003-04B	Soil	11/01/19	11/01/19	Glass Jar, 4 oz.

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Logos Operating, LLC	Project Name:	Rosa Unit	Reported: 11/11/19 15:45
PO Box 18	Project Number:	12035-0114	
Flora Vista NM, 87415	Project Manager:	Larissa Farrell	

**Rosa Unit 376A SS1
P911003-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		100 %		50-150	1944038	11/01/19	11/04/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1945003	11/04/19	11/04/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1945003	11/04/19	11/04/19	EPA 8015D	
Surrogate: n-Nonane		95.8 %		50-200	1945003	11/04/19	11/04/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.4 %		50-150	1944038	11/01/19	11/04/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	71.6	40.0	mg/kg	2	1945002	11/04/19	11/05/19	EPA 300.0/9056A	

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Logos Operating, LLC	Project Name:	Rosa Unit	
PO Box 18	Project Number:	12035-0114	Reported:
Flora Vista NM, 87415	Project Manager:	Larissa Farrell	11/11/19 15:45

**Rosa Unit 376A SS2
P911003-02 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		101 %		50-150	1944038	11/01/19	11/04/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1945003	11/04/19	11/04/19	EPA 8015D	
Oil Range Organics (C28-C40)	59.9	50.0	mg/kg	1	1945003	11/04/19	11/04/19	EPA 8015D	
Surrogate: n-Nonane		102 %		50-200	1945003	11/04/19	11/04/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.2 %		50-150	1944038	11/01/19	11/04/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	120	40.0	mg/kg	2	1945002	11/04/19	11/05/19	EPA 300.0/9056A	

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Logos Operating, LLC
PO Box 18
Flora Vista NM, 87415

Project Name: Rosa Unit
Project Number: 12035-0114
Project Manager: Larissa Farrell

Reported:
11/11/19 15:45

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1944038 - Purge and Trap EPA 5030A

Blank (1944038-BLK1)

Prepared: 11/01/19 1 Analyzed: 11/04/19 2

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							

Surrogate: 4-Bromochlorobenzene-PID

8.19 " 8.00 102 50-150

LCS (1944038-BS1)

Prepared: 11/01/19 1 Analyzed: 11/05/19 0

Benzene	5.05	0.0250	mg/kg	5.00		101	70-130			
Toluene	5.15	0.0250	"	5.00		103	70-130			
Ethylbenzene	5.04	0.0250	"	5.00		101	70-130			
p,m-Xylene	10.0	0.0500	"	10.0		100	70-130			
o-Xylene	4.98	0.0250	"	5.00		99.6	70-130			
Total Xylenes	15.0	0.0250	"	15.0		100	70-130			

Surrogate: 4-Bromochlorobenzene-PID

7.53 " 8.00 94.2 50-150

Matrix Spike (1944038-MS1)

Source: P910199-01

Prepared: 11/01/19 1 Analyzed: 11/05/19 1

Benzene	5.02	0.0250	mg/kg	5.00	ND	100	54.3-133			
Toluene	5.13	0.0250	"	5.00	ND	103	61.4-130			
Ethylbenzene	5.03	0.0250	"	5.00	ND	101	61.4-133			
p,m-Xylene	10.0	0.0500	"	10.0	ND	100	63.3-131			
o-Xylene	5.03	0.0250	"	5.00	ND	101	63.3-131			
Total Xylenes	15.0	0.0250	"	15.0	ND	100	63.3-131			

Surrogate: 4-Bromochlorobenzene-PID

8.25 " 8.00 103 50-150

Matrix Spike Dup (1944038-MSD1)

Source: P910199-01

Prepared: 11/01/19 1 Analyzed: 11/05/19 1

Benzene	5.06	0.0250	mg/kg	5.00	ND	101	54.3-133	0.683	20	
Toluene	5.10	0.0250	"	5.00	ND	102	61.4-130	0.505	20	
Ethylbenzene	5.00	0.0250	"	5.00	ND	100	61.4-133	0.591	20	
p,m-Xylene	9.95	0.0500	"	10.0	ND	99.5	63.3-131	0.697	20	
o-Xylene	4.96	0.0250	"	5.00	ND	99.2	63.3-131	1.30	20	
Total Xylenes	14.9	0.0250	"	15.0	ND	99.4	63.3-131	0.899	20	

Surrogate: 4-Bromochlorobenzene-PID

8.13 " 8.00 102 50-150

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Logos Operating, LLC
PO Box 18
Flora Vista NM, 87415

Project Name: Rosa Unit
Project Number: 12035-0114
Project Manager: Larissa Farrell

Reported:
11/11/19 15:45

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1945003 - DRO Extraction EPA 3570

Blank (1945003-BLK1)

Prepared: 11/04/19 1 Analyzed: 11/05/19 0

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	53.9		"	50.0		108	50-200			

LCS (1945003-BS1)

Prepared & Analyzed: 11/04/19 1

Diesel Range Organics (C10-C28)	480	25.0	mg/kg	500		96.0	38-132			
Surrogate: n-Nonane	48.8		"	50.0		97.6	50-200			

Matrix Spike (1945003-MS1)

Source: P910199-01

Prepared & Analyzed: 11/04/19 1

Diesel Range Organics (C10-C28)	506	25.0	mg/kg	500	ND	101	38-132			
Surrogate: n-Nonane	48.8		"	50.0		97.7	50-200			

Matrix Spike Dup (1945003-MSD1)

Source: P910199-01

Prepared & Analyzed: 11/04/19 1

Diesel Range Organics (C10-C28)	517	25.0	mg/kg	500	ND	103	38-132	2.31	20	
Surrogate: n-Nonane	49.9		"	50.0		99.9	50-200			

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Logos Operating, LLC	Project Name:	Rosa Unit	Reported: 11/11/19 15:45
PO Box 18	Project Number:	12035-0114	
Flora Vista NM, 87415	Project Manager:	Larissa Farrell	

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

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

Batch 1944038 - Purge and Trap EPA 5030A

Blank (1944038-BLK1)

Prepared: 11/01/19 1 Analyzed: 11/04/19 2

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.79		"	8.00		84.8	50-150			

LCS (1944038-BS2)

Prepared: 11/01/19 1 Analyzed: 11/05/19 1

Gasoline Range Organics (C6-C10)	46.5	20.0	mg/kg	50.0		92.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		"	8.00		85.7	50-150			

Matrix Spike (1944038-MS2)

Source: P910199-01

Prepared: 11/01/19 1 Analyzed: 11/05/19 1

Gasoline Range Organics (C6-C10)	48.1	20.0	mg/kg	50.0	ND	96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		"	8.00		85.3	50-150			

Matrix Spike Dup (1944038-MSD2)

Source: P910199-01

Prepared: 11/01/19 1 Analyzed: 11/05/19 1

Gasoline Range Organics (C6-C10)	48.8	20.0	mg/kg	50.0	ND	97.6	70-130	1.41	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.79		"	8.00		84.8	50-150			

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Logos Operating, LLC	Project Name:	Rosa Unit	Reported: 11/11/19 15:45
PO Box 18	Project Number:	12035-0114	
Flora Vista NM, 87415	Project Manager:	Larissa Farrell	

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1945002 - Anion Extraction EPA 300.0/9056A

Blank (1945002-BLK1)

Prepared: 11/04/19 0 Analyzed: 11/04/19 1

Chloride ND 20.0 mg/kg

LCS (1945002-BS1)

Prepared: 11/04/19 0 Analyzed: 11/04/19 1

Chloride 256 20.0 mg/kg 250 102 90-110

Matrix Spike (1945002-MS1)

Source: P910166-01

Prepared: 11/04/19 0 Analyzed: 11/04/19 1

Chloride 284 20.0 mg/kg 250 27.1 103 80-120

Matrix Spike Dup (1945002-MSD1)

Source: P910166-01

Prepared: 11/04/19 0 Analyzed: 11/04/19 1

Chloride 283 20.0 mg/kg 250 27.1 102 80-120 0.335 20

QC Summary Report

Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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Chain of Custody

Page / of

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Chain of Custody

Page 1 of 1

Page 11 of 11

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

CONDITIONS

Action 9383

CONDITIONS OF APPROVAL

Operator:	LOGOS OPERATING, LLC	2010 Afton Place	Farmington, NM87401	OGRID:	289408	Action Number:	9383	Action Type:	C-141
OCD Reviewer	Condition								
csmith	None								