

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 | NRM2017057120 |
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| | | | |
|-------------------------|---------------------------------------|------------------------------|---------------|
| Responsible Party | LOGOS Operating, LLC | OGRID | 289408 |
| Contact Name | Marie E. Florez | Contact Telephone | 505-787-2218 |
| Contact email | mflorez@logosresourcesllc.com | Incident # (assigned by OCD) | NRM2017057120 |
| Contact mailing address | 2010 Afton Place, Farmington NM 87401 | | |

Location of Release Source

Latitude 36.3734779 Longitude -107.4399567
(NAD 83 in decimal degrees to 5 decimal places)

| | | | |
|-------------------------|-------------------|----------------------|--------------|
| Site Name | Warren G Com 26 2 | Site Type | Well |
| Date Release Discovered | 6/1/2020 | API# (if applicable) | 30-039-23080 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|------------|
| F | 26 | 25N | 6W | Rio Arriba |

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: NMSF 079139A)

Nature and Volume of Release

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

| | | |
|--|--|--|
| <input checked="" type="checkbox"/> Crude Oil | Volume Released (bbls) 3x10x1 <u>3 < 26615</u> | Volume Recovered (bbls) <u>8</u> |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) same as oil (combined) | Volume Recovered (bbls) <u>8</u> |
| | 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

The release appears to be a historic stain from possible fiberglass run over. LOGOS plans to remove the pit, identify any leaks and clean up the stained area. OCD will be notified 48 hours prior to sampling.

Form C-141

State of New Mexico
Oil Conservation Division

Page 2

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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: Marie E. Florez Title: Regulatory Specialist
 Signature: Marie E. Florez Date: 6/15/2020
 email: mflorez@logosresouresllc.com Telephone: 505-787-2218

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? | 445 (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 type="checkbox"/> Yes <input checked="" 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 1/2-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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Printed Name: Tamra Sessions Title: Regulatory Specialist

Signature:  Date: 8/5/2020

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

OCD Only

Received by: _____ Date: _____

| | |
|----------------|---------------|
| Incident ID | NRM201705712G |
| District RP | |
| Facility ID | |
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Remediation Plan


Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: 8/5/2020
email: tsessions@logosresourcesllc.com Telephone: 505-324-4145

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

| | |
|----------------|---------------|
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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: Vanessa Fields Title: Regulatory Manager

Signature:  Date: 3/28/2022

email: vfields@logosresourcesllc.com Telephone: (505) 320-1243

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: 03/30/2022

Printed Name: Nelson Velez Title: Environmental Specialist – Adv



August 5, 2020

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

Incident # NRM2017057120

RE: The release appears to be a historic stain from possible fiberglass tank run over. LOGOS plans to remove the pit, identify any leaks and clean up the stained area at the Warren G Com 26 2 well site. Located in Section 26, Township 25 North, Range 6 West, Rio Arriba, New Mexico.

Dear Mr. Smith,

On June 22, 2020, OCD was notified by email to schedule final sampling.

On June 23, 2020, LOGOS removed the berm and the above ground tank. The impacted area was scraped and removed 4" to 6" of the stained soil until no staining was visual.

On June 25, 2020, LOGOS collected a composite grab sample within 18 inches out from the edge of where the above ground tank was set as documented in the enclosed Aerial Site map, and Figure 1 – Site pictures. Samples were placed into Ziploc bag, 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 (BTX) 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 BTX (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 | | | | | mg/kg |
| Sample | 6/25/2020 | grab | ND | 35.3 | ND | ND | ND | 61.6 |

On July 7, 2020, after receiving the final sample results, approximately 3yds of stained soil was hauled to the Envirotech Landfarm and the impacted area was replaced with clean location dirt and some of the berm material. Area was filled in, leveled out and the above ground tank was re-set

The historical release was contained in the secondary containment of an active well site, depth to groundwater was assessed as being greater than 100 feet. The groundwater data is documented in the enclosed TOPO Site Map. The Canyon Largo Unit 143 (1.6 miles to the NE) cathodic data has GW @ 100' with an elevation of 6440'. The elevation for the Warren G Com 26 2 is at 6785' giving this location an estimated GW depth @±445 feet. The Canyon Largo Unit 95 (1.6 miles to the SE) has an elevation of 6753' and the below ground tank registration has GW estimated at 499'.

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.

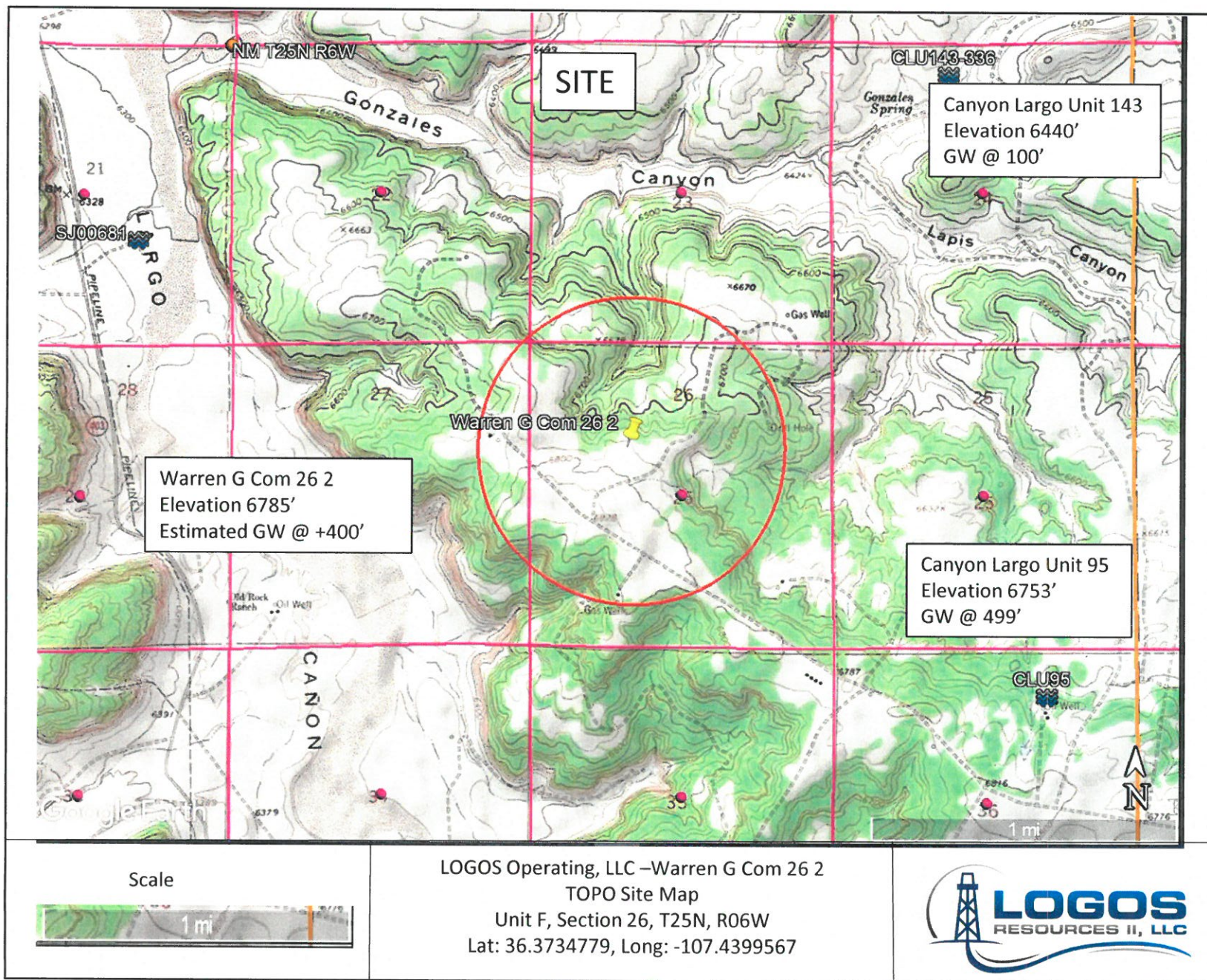
Sincerely,



Tamra Sessions
Regulatory Specialist
Cell: 505-330-9333
Office: 505-324-4145

tsessions@logosresourcesllc.com





#143 30-039-20099

#336 30-039-23410

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Inc Location: Unit C Sec. 24 Twp 25 Rng 06

Name of Well/Wells or Pipeline Serviced _____

CANYON LATGO UNITS #143 AND #336Elevation 6440 Completion Date 8/3/93 Total Depth 434' Land Type FCasing Strings, Sizes, Types & Depths 6/19 Set 85' of 8" PVC CASING.NO GAS, WATER, or Boulders were encountered during casing.If Casing Strings are cemented, show amounts & types used CementedWITH 23 SACKS.

If Cement or Bentonite Plugs have been placed, show depths & amounts used

NONE

Depths & thickness of water zones with description of water: Fresh, Clear,

Salty, Sulphur, Etc. HIT SOME FRESH WATER AT 100', AND AMAJOR WATER VEIN AT 205'. A WATER SAMPLE WAS TAKEN.Depths gas encountered: NONEGround bed depth with type & amount of coke breeze used: 434' Depth.Used 122 SACKS OF ASBURY 218R COKE BREEZE. (6100#)Depths anodes placed: 398', 368', 363', 358', 352', 345', 340', 335', 259', 254', 249', 226', 220', 215', + 210'Depths vent pipes placed: SURFACE TO 434'Vent pipe perforations: BOTTOM 330'

Remarks: _____

RECEIVED

JAN 31 1994

OIL CON. DIV
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

Form 9-330
(Rev. 5-68)UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

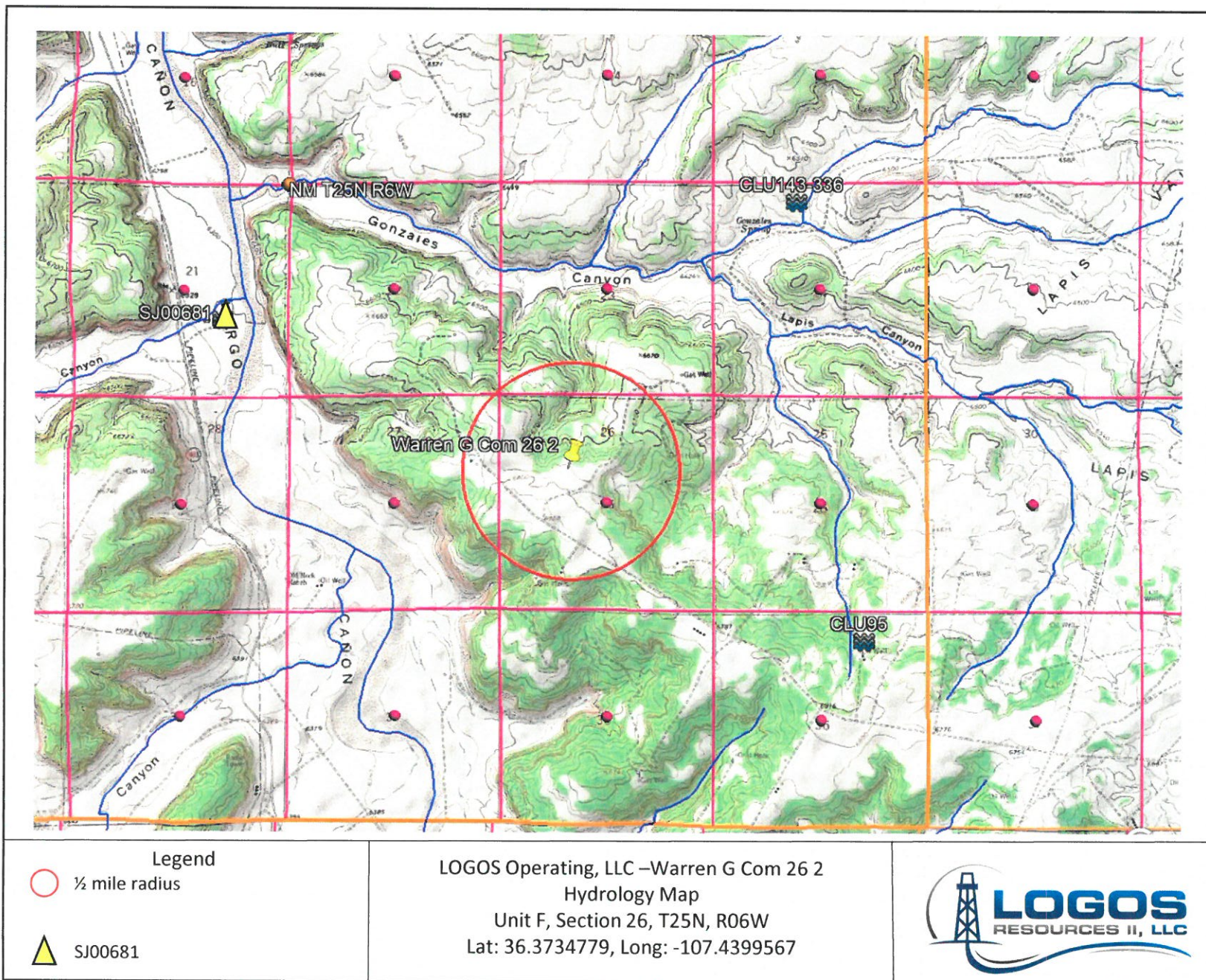
Form approved.
Budget Bureau No. 42-RB55.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

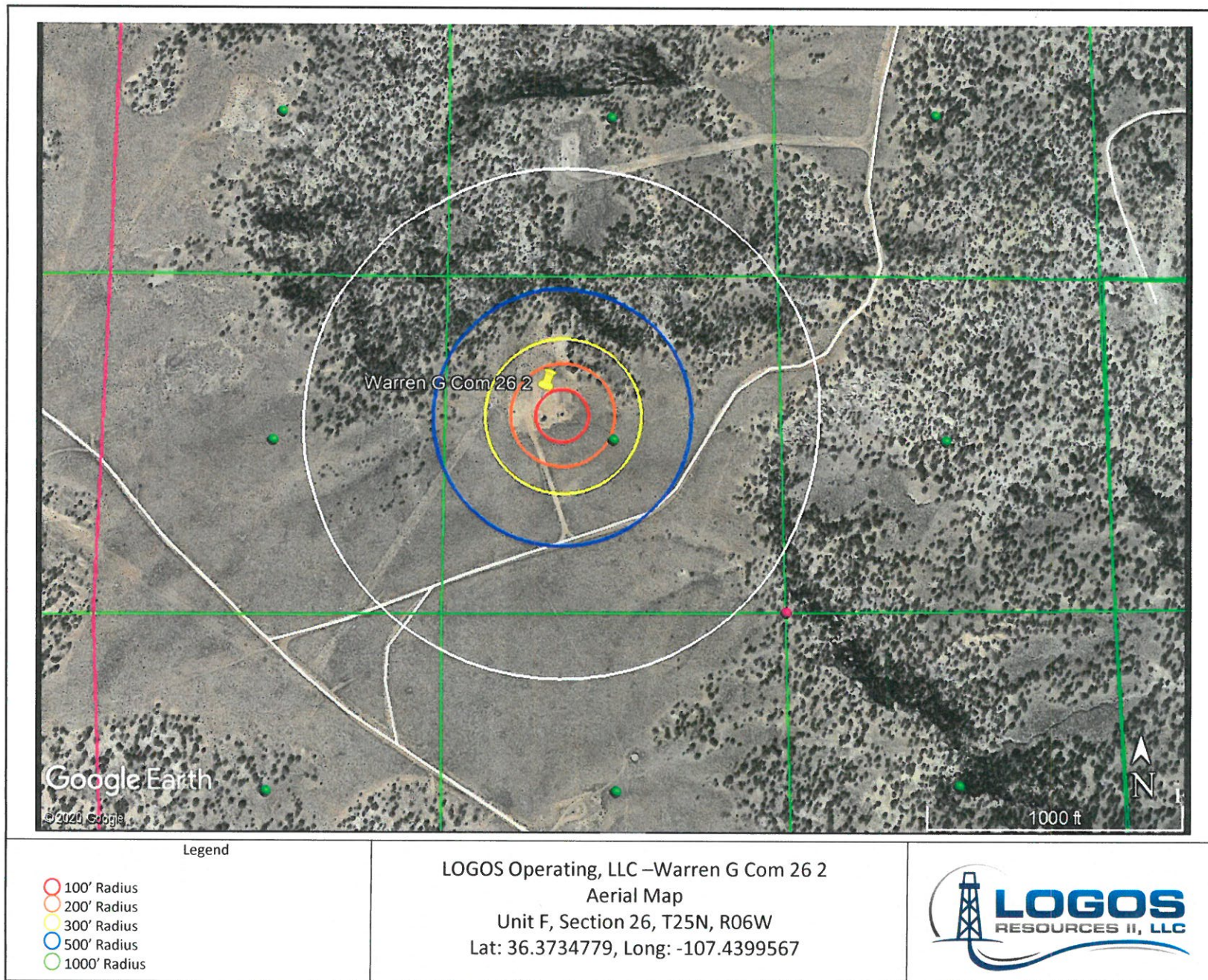
| | | | | | |
|--|--------------------------------------|---|---|---|---------------------------------------|
| 1a. TYPE OF WELL: | | OIL WELL <input type="checkbox"/> | GAS WELL <input checked="" type="checkbox"/> | DRY <input type="checkbox"/> | Other <input type="checkbox"/> |
| b. TYPE OF COMPLETION: | | NEW WELL <input checked="" type="checkbox"/> | WORK OVER <input type="checkbox"/> | DEEP-EN <input type="checkbox"/> | PLUG BACK <input type="checkbox"/> |
| | | DIFF. RESVR. <input type="checkbox"/> | Other <input type="checkbox"/> | | |
| 2. NAME OF OPERATOR Merrion & Bayless | | | | | |
| 3. ADDRESS OF OPERATOR Box 1541 Farmington, New Mexico | | | | | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1840 fwl & 790 fnl At top prod. interval reported below same At total depth same | | | | | |
| 14. PERMIT NO. DATE ISSUED OCT 1968 | | | | | |
| 5. LEASE DESIGNATION AND SERIAL NO. SF 079177 | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | | | |
| 7. UNIT AGREEMENT NAME Canyon Largo | | 8. FARM OR LEASE NAME | | | |
| 9. WELL NO. 143 | | 10. FIELD AND POOL, OR WILDCAT Undesig Chacra | | | |
| 11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA 24-25N-6W | | 12. COUNTY OR PARISH Rio Arriba | | | |
| | | 13. STATE New Mexico | | | |
| 15. DATE SPUDDED 6-12-68 | 16. DATE T.D. REACHED 6-19-68 | 17. DATE COMPL. (Ready to prod.) 7-25-68 | 18. ELEVATIONS (DP, REB, RT, GR, ETC.) 6440 gl | | 19. ELEV. CASINGHEAD |
| 20. TOTAL DEPTH, MD & TVD 3500 | 21. PLUG BACK T.D., MD & TVD 3441 | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY all | 24. ROTARY TOOLS | 25. CABLE TOOLS |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Chacra 3297-3406 | | | | | 25. WAS DIRECTIONAL SURVEY MADE no |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN Electric Induction Acoustic | | | | | 27. WAS WELL CORRED. no |
| 28. CASING RECORD (Report all strings set in well) | | | | | |
| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
| 7-5/8" | 26.4 | 98 | 12 1/2 | 100 sax | none |
| 2-7/8" | 6.5 | 3468 | 6-3/4" | 300 sax | none |
| 29. LINER RECORD | | | | | |
| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | |
| 30. TUBING RECORD | | | | | |
| SIZE | DEPTH SET (MD) | PACKER SET (MD) | | | |
| 31. PERFORATION RECORD (Interval, size and number) | | | | | |
| 3297-3317 | 1/2 | 35 | | | |
| 3340-42 | 1/2 | 8 | | | |
| 3367-71 | 1/2 | 14 | | | |
| 3402-06 | 1/2 | 14 | | | |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. | | | | | |
| DEPTH INTERVAL (MD) | | AMOUNT AND KIND OF MATERIAL USED | | | |
| | | 15,000 # 20-40 sand | | | |
| | | 250 gal 15% acid | | | |
| 33. PRODUCTION | | | | | |
| DATE FIRST PRODUCTION 7-15-68 | | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing | | WELL STATUS (Producing or shut-in) waiting pipeline conn | |
| DATE OF TEST 7-25-68 | HOURS TESTED 3 | CHOKER SIZE 3/4 | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF. |
| FLOW. TUBING PRESS. | CASING PRESSURE 210 | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MCF. | WATER—BBL. |
| | | | none | 2693 | none |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented | | | | | |
| 35. LIST OF ATTACHMENTS | | | | | |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records | | | | | |
| SIGNED R. L. Bayless | | TITLE | | DATE 7-30-68 | |

*(See Instructions and Spaces for Additional Data on Reverse Side)

DIST. 3







Field Notes for Spill Closure

Well Name: Warren G Com 26 2Date of Arrival: 6/25/2020**Observe Area**Removed contaminated soils ☒ Yes ☐ No

What chemical was used to clean-up contaminated area:

Take 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:

Was the soil sandy: ☐ Yes ☒ No

Tamra Sessions

From: Marie Florez
Sent: Thursday, June 18, 2020 4:06 PM
To: 'Marcus, Ramona, EMNRD'
Subject: RE: C-141: Warren G Com 26 2

This 3x10x1 is the stained area. The operator stated, the release is <2bbls.

Thanks,

Marie E. Florez

mflorez@logosresourcesllc.com



From: Marcus, Ramona, EMNRD [mailto:Ramona.Marcus@state.nm.us]
Sent: Thursday, June 18, 2020 3:56 PM
To: Marie Florez
Subject: RE: C-141: Warren G Com 26 2

30 Gallons? 30 BBLS?

From: Marcus, Ramona, EMNRD
Sent: Thursday, June 18, 2020 3:48 PM
To: 'mflorez@logosresourcesllc.com' <mflorez@logosresourcesllc.com>
Subject: C-141: Warren G Com 26 2

Dear Ms. Florez,

I have a question about the volume of release: What is 3x10x1? Typically, number of BBLS are reported.

Thank you.

Ramona

Ramona Lopez Marcus
Compliance Officer Advanced
Ramona.Marcus@state.nm.us



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

Tamra Sessions

From: Marie Florez
Sent: Monday, June 22, 2020 4:34 PM
To: Smith, Cory, EMNRD; Powell, Brandon, EMNRD
Cc: Billy Schaaphok; Tamra Sessions; Bryan Lovato
Subject: Warren G Com 26 002 - Notification for final sampling

Importance: High

LOGOS is notifying OCD two business days prior to conducting final sampling on the following well.

Date: June 25, 2020 (Thursday)
Time: 10:00am

Incident # NRM2017057120

API: 30-039-23080
Well Name: Warren G Com 26 002
Section:26
Township:25N
Range: 6W
Unit Letter: F

Thanks,

Marie E. Florez

Regulatory Specialist

Cell: 505-419-8420

Office: 505-787-2218

mflorez@logosresourcesllc.com



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State of New Mexico
 Energy Minerals and Natural Resources

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

*Surface Waste Management Facility Operator
 and Generator shall maintain and make this
 documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:

LOGOS Operating, LLC, Tamra Sessions
 2010 Afton Place, Farmington, NM 87401

2. Originating Site: Warren G Com 26 2

7-7-20

3. Location of Material (Street Address, City, State or ULSTR):

UL F, Section 26, T25N, R6W Rio Arriba County, NM

4. Source and Description of Waste: Location dirt with crude oil and produced water staining.

Estimated Volume 3yds yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) yd³ / bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Tamra Sessions, representative or authorized agent for Logos Operating, LLC do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. Operator Use Only: Waste Acceptance Frequency ☒ Monthly ☐ Weekly ☐ Per Load

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Tamra Sessions, representative for Logos Operating, LLC authorize Envirotech to complete the required testing/sign the Generator Waste Testing Certification.

I, _____, representative for Envirotech Inc. Soil Remediation Facility do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. Transporter: Kelley Oilfield Service

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: **Envirotech inc. Soil Remediation Facility Permit # NM-01-0011**

Address of Facility: **#43 Road 7175 South of Bloomfield NM**

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☐ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: _____ TITLE: _____ DATE: _____

SIGNATURE: _____ TELEPHONE NO.: (505) 632-1782

Surface Waste Management Facility Authorized Agent

**LOGOS Operating, LLC
Site Pictures
Warren G Com 26 2
Figure: 1**



Well Sign



Impacted Area



Impacted Area



Remediating



Remediating



After



After



Analytical Report

Report Summary

Client: Logos Resources

Samples Received: 6/25/2020

Job Number: 12035-0114

Work Order: P006087

Project Name/Location: Warren G Com 26 2

Report Reviewed By:

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

Date: 7/6/20

Walter Hinchman, Laboratory Director



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 Resources | Project Name: | Warren G Com 26 2 | Reported: 07/06/20 09:38 |
| 2010 Afton Place | Project Number: | 12035-0114 | |
| Farmington NM, 87401 | Project Manager: | Billy Schaaphok | |

Sample Summary

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| SB-1 grab sample | P006087-01A | Soil | 06/25/20 | 06/26/20 | Glass Jar, 4 oz. |

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| | | |
|---|---|-----------------------------|
| Logos Resources 2010 Afton Place Farmington NM, 87401 | Project Name: Warren G Com 26 2 Project Number: 12035-0114 Project Manager: Billy Schaaphok | Reported: 07/06/20 09:38 |
|---|---|-----------------------------|

**SB-1 grab sample
P006087-01 (Solid)**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|----------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | | | Batch: 2026024 |
| Benzene | ND | 0.0250 | 1 | 06/26/20 | 06/26/20 | |
| Toluene | ND | 0.0250 | 1 | 06/26/20 | 06/26/20 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/26/20 | 06/26/20 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/26/20 | 06/26/20 | |
| o-Xylene | ND | 0.0250 | 1 | 06/26/20 | 06/26/20 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/26/20 | 06/26/20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 105 % | 50-150 | | 06/26/20 | 06/26/20 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | | | Batch: 2026026 |
| Diesel Range Organics (C10-C28) | 35.3 | 25.0 | 1 | 06/26/20 | 06/26/20 | |
| Oil Range Organics (C28-C40) | ND | 50.0 | 1 | 06/26/20 | 06/26/20 | |
| Surrogate: n-Nonane | 100 % | 50-200 | | 06/26/20 | 06/26/20 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | | | Batch: 2026024 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/26/20 | 06/26/20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 93.6 % | 50-150 | | 06/26/20 | 06/26/20 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | | | Batch: 2026029 |
| Chloride | 61.6 | 20.0 | 1 | 06/26/20 | 06/29/20 | |

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| | | | |
|----------------------|------------------|-------------------|-----------------------------|
| Logos Resources | Project Name: | Warren G Com 26 2 | Reported: 07/06/20 09:38 |
| 2010 Afton Place | Project Number: | 12035-0114 | |
| Farmington NM, 87401 | Project Manager: | Billy Schaaphok | |

Volatile Organics by EPA 8021B - Quality Control

| Analyte | Result | Reporting Limit | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------------|---------------|------|-------------|-----|-----------|-------|
| | mg/kg | mg/kg | | mg/kg | | | | | |

Blank (2026024-BLK1)

Prepared: 06/26/20 0 Analyzed: 06/26/20 1

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|-----|--------|--|--|--|
| Benzene | ND | 0.0250 | | | | | | | |
| 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 | 8.39 | | 8.00 | | 105 | 50-150 | | | |

LCS (2026024-BS1)

Prepared: 06/26/20 0 Analyzed: 06/26/20 1

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene | 4.96 | 0.0250 | 5.00 | | 99.3 | 70-130 | | | |
| Toluene | 5.05 | 0.0250 | 5.00 | | 101 | 70-130 | | | |
| Ethylbenzene | 5.01 | 0.0250 | 5.00 | | 100 | 70-130 | | | |
| p,m-Xylene | 10.0 | 0.0500 | 10.0 | | 100 | 70-130 | | | |
| o-Xylene | 5.04 | 0.0250 | 5.00 | | 101 | 70-130 | | | |
| Total Xylenes | 15.1 | 0.0250 | 15.0 | | 101 | 0-200 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.42 | | 8.00 | | 105 | 50-150 | | | |

Matrix Spike (2026024-MS1)

Source: P006081-01

Prepared: 06/26/20 0 Analyzed: 06/26/20 1

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|-----|----------|--|--|--|
| Benzene | 5.27 | 0.0250 | 5.00 | ND | 105 | 54.3-133 | | | |
| Toluene | 5.29 | 0.0250 | 5.00 | ND | 106 | 61.4-130 | | | |
| Ethylbenzene | 5.26 | 0.0250 | 5.00 | ND | 105 | 61.4-133 | | | |
| p,m-Xylene | 10.5 | 0.0500 | 10.0 | ND | 105 | 63.3-131 | | | |
| o-Xylene | 5.31 | 0.0250 | 5.00 | ND | 106 | 63.3-131 | | | |
| Total Xylenes | 15.8 | 0.0250 | 15.0 | ND | 106 | 0-200 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.43 | | 8.00 | | 105 | 50-150 | | | |

Matrix Spike Dup (2026024-MSD1)

Source: P006081-01

Prepared: 06/26/20 0 Analyzed: 06/26/20 1

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|-----|----------|-------|-----|--|
| Benzene | 5.22 | 0.0250 | 5.00 | ND | 104 | 54.3-133 | 0.991 | 20 | |
| Toluene | 5.19 | 0.0250 | 5.00 | ND | 104 | 61.4-130 | 1.96 | 20 | |
| Ethylbenzene | 5.16 | 0.0250 | 5.00 | ND | 103 | 61.4-133 | 1.89 | 20 | |
| p,m-Xylene | 10.3 | 0.0500 | 10.0 | ND | 103 | 63.3-131 | 2.02 | 20 | |
| o-Xylene | 5.20 | 0.0250 | 5.00 | ND | 104 | 63.3-131 | 2.01 | 20 | |
| Total Xylenes | 15.5 | 0.0250 | 15.0 | ND | 103 | 0-200 | 2.02 | 200 | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.52 | | 8.00 | | 106 | 50-150 | | | |

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| | | | |
|----------------------|------------------|-------------------|-----------------------------|
| Logos Resources | Project Name: | Warren G Com 26 2 | Reported: 07/06/20 09:38 |
| 2010 Afton Place | Project Number: | 12035-0114 | |
| Farmington NM, 87401 | Project Manager: | Billy Schaaphok | |

Nonhalogenated Organics by EPA 8015D - DRO/ORO - Quality Control

| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level | Source Result mg/kg | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|-----------------|-----------------------------|----------------|---------------------------|------|----------------|------|--------------|-------|
| Blank (2026026-BLK1) | | | | | | | | | |
| Prepared: 06/26/20 0 Analyzed: 06/26/20 1 | | | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 54.7 | | 50.0 | | 109 | 50-200 | | | |
| LCS (2026026-BS1) | | | | | | | | | |
| Prepared: 06/26/20 0 Analyzed: 06/26/20 1 | | | | | | | | | |
| Diesel Range Organics (C10-C28) | 587 | 25.0 | 500 | | 117 | 38-132 | | | |
| Surrogate: n-Nonane | 49.5 | | 50.0 | | 99.0 | 50-200 | | | |
| Matrix Spike (2026026-MS1) | | | | | | | | | |
| Source: P006081-01 Prepared: 06/26/20 0 Analyzed: 06/26/20 1 | | | | | | | | | |
| Diesel Range Organics (C10-C28) | 486 | 25.0 | 500 | ND | 97.3 | 38-132 | | | |
| Surrogate: n-Nonane | 48.0 | | 50.0 | | 96.1 | 50-200 | | | |
| Matrix Spike Dup (2026026-MSD1) | | | | | | | | | |
| Source: P006081-01 Prepared: 06/26/20 0 Analyzed: 06/26/20 1 | | | | | | | | | |
| Diesel Range Organics (C10-C28) | 475 | 25.0 | 500 | ND | 95.1 | 38-132 | 2.29 | 20 | |
| Surrogate: n-Nonane | 48.1 | | 50.0 | | 96.1 | 50-200 | | | |

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| | | | |
|----------------------|------------------|-------------------|-----------------------------|
| Logos Resources | Project Name: | Warren G Com 26 2 | Reported: 07/06/20 09:38 |
| 2010 Afton Place | Project Number: | 12035-0114 | |
| Farmington NM, 87401 | Project Manager: | Billy Schaaphok | |

Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level | Source Result mg/kg | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|-----------------|-----------------------------|----------------|---------------------------|------|----------------|-----|--------------|-------|
|---------|-----------------|-----------------------------|----------------|---------------------------|------|----------------|-----|--------------|-------|

Blank (2026024-BLK1)

Prepared: 06/26/20 0 Analyzed: 06/26/20 1

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.30 | | 8.00 | | 91.3 | 50-150 | | | |

LCS (2026024-BS2)

Prepared: 06/26/20 0 Analyzed: 06/26/20 1

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 50.4 | 20.0 | 50.0 | | 101 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.45 | | 8.00 | | 93.2 | 50-150 | | | |

Matrix Spike (2026024-MS2)

Source: P006081-01 Prepared: 06/26/20 0 Analyzed: 06/26/20 1

| | | | | | | | | | |
|---|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 49.1 | 20.0 | 50.0 | ND | 98.1 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.47 | | 8.00 | | 93.3 | 50-150 | | | |

Matrix Spike Dup (2026024-MSD2)

Source: P006081-01 Prepared: 06/26/20 0 Analyzed: 06/26/20 1

| | | | | | | | | | |
|---|------|------|------|----|------|--------|-------|----|--|
| Gasoline Range Organics (C6-C10) | 49.4 | 20.0 | 50.0 | ND | 98.9 | 70-130 | 0.743 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.45 | | 8.00 | | 93.2 | 50-150 | | | |

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| | | |
|---|---|-----------------------------|
| Logos Resources 2010 Afton Place Farmington NM, 87401 | Project Name: Warren G Com 26 2 Project Number: 12035-0114 Project Manager: Billy Schaaphok | Reported: 07/06/20 09:38 |
|---|---|-----------------------------|

Anions by EPA 300.0/9056A - Quality Control

| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level | Source Result mg/kg | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|-----------------|-----------------------------|----------------|---------------------------|------|----------------|------|--------------|--|
| Blank (2026029-BLK1) | | | | | | | | | |
| Chloride | ND | 20.0 | | | | | | | Prepared: 06/26/20 0 Analyzed: 06/29/20 1 |
| LCS (2026029-BS1) | | | | | | | | | |
| Chloride | 252 | 20.0 | 250 | | 101 | 90-110 | | | Prepared: 06/26/20 0 Analyzed: 06/29/20 1 |
| Matrix Spike (2026029-MS1) | | | | | | | | | |
| Chloride | 682 | 20.0 | 250 | 213 | 188 | 80-120 | | | Source: P006081-01 Prepared: 06/26/20 0 Analyzed: 06/29/20 1 M2 |
| Matrix Spike Dup (2026029-MSD1) | | | | | | | | | |
| Chloride | 583 | 20.0 | 250 | 213 | 148 | 80-120 | 15.6 | 20 | Source: P006081-01 Prepared: 06/26/20 0 Analyzed: 06/29/20 1 M2 |

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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| | | | |
|----------------------|------------------|-------------------|----------------|
| Logos Resources | Project Name: | Warren G Com 26 2 | |
| 2010 Afton Place | Project Number: | 12035-0114 | Reported: |
| Farmington NM, 87401 | Project Manager: | Billy Schaaphok | 07/06/20 09:38 |

Notes and Definitions

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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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 9533

CONDITIONS

| | |
|---|---|
| Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401 | OGRID: 289408 |
| | Action Number: 9533 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| | | |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| nvelez | None | 3/30/2022 |