

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	nAPP2209041864
District RP	
Facility ID	
Application ID	694798

Release Notification

Responsible Party

Responsible Party: Novo Oil & Gas Northern Delaware, LLC	OGRID: 372920
Contact Name: Kurt A. Shipley	Contact Telephone: 405-286-3916
Contact email: kshipley@novooog.com	Incident # (assigned by OCD): nAPP2209041864
Contact mailing address: 1001 West Wilshire Blvd., Suite 206 Oklahoma City, OK 73116	

Location of Release Source

Latitude 32.3405953Longitude -104.0455863
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Hades North Loop	Site Type: Produced Water Line (production)
Date Release Discovered: 03/28/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
D	11	T23S	R28E	Eddy

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): 730	Volume Recovered (bbls): 300
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" 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	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

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Cause of Release

The leak occurred because of a rupture in the body of the poly pipe (not at a fused connection). The cause of the rupture is unknown at this time. We could not find the root cause with our field inspections. We sent the section of pipe with the rupture to be inspected by the distributor and the manufacturer of the pipe.

Release Volume Calculation:

Water rate on the receiving end of the Hades North Loop was 18,000 bbls of produced water per day. This was recorded on the San Mateo SCADA water meter. During the time that the pipe was leaking, the receiving end SCADA meter was receiving a rate 11,000 bbls of produced water per day. The difference was 18,000 bbls minus 11,000 bbls, equal to 7,000 bbls of produced water per day.

This is our estimated rate for the amount of water lost from the pipeline during the failure while the pipeline was in operation. The SCADA data shows the meter receiving the reduced rate from 4:00am to 6:30am (2.5 hours).

This calculates to 7,000 bbls per day / 24 hours = 292 bbls x 2.5 hours = 730 bbls

Was this a major release as defined by 19.15.29.7(A) NMAC?

☒ Yes ☐ No

If YES, for what reason(s) does the responsible party consider this a major release?

Calculated volume of the release was 730 bbl of produced water, which is greater than the 25 bbl threshold defining a major release.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Immediate notification was provided by Kurt Shipley on March 28, 2022 at 4:47pm by phone. Notification was made to the NMOCD – Artesia Office (575.703.3842). A recorded message was provided on the hotline voicemail (Laura Polk). Bryan Haney with Altamira-US (on behalf of Novo Oil & Gas Northern Delaware, LLC.) submitted notification of a release (NOR) on the online OCD system on March 31, 2022. Approved by OCD (Jocelyn Harimon) on April 5, 2022.

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:

All initial response actions above have been completed.

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.

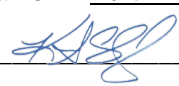
State of New Mexico
Oil Conservation Division

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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: Kurt A. Shipley Title: Chief Operating Officer

Signature:  Date: March 31, 2022

email: kshipley@novoog.com Telephone: 405-286-3916

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2209041864
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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?	<u>>51</u> (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 checked="" type="checkbox"/> Yes <input 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

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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.

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: Kurt A. ShipleyTitle: Chief Operating OfficerSignature: Date: July 22, 2022email: kshipley@novoog.comTelephone: 405-286-3916**OCD Only**

Received by: _____

Date: _____

Incident ID	nAPP2209041864
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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.

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Printed Name: Kurt A. Shipley Title: Chief Operating Officer

Signature:  Date: July 22, 2022

email: kshipley@novooog.com Telephone: 405-286-3916

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

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- ☒ 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

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Printed Name: Kurt A. ShipleyTitle: Chief Operating OfficerSignature: Date: July 22, 2022email: kshipley@novoog.comTelephone: 405-286-3916**OCD Only**Received by: Robert HamletDate: 12/7/2022

**Assessment Report
Produced Water Line Release
Incident ID No. nAPP2209041864
Hades North Loop
Discovery Date: March 28, 2022
Eddy County, New Mexico**

***Prepared for:
Novo Oil & Gas Northern Delaware, LLC
1001 West Wilshire Blvd., Suite 206
Oklahoma City, Oklahoma 73116***

***Prepared By:
Altamira-US
Bryan Haney, P.G. TX 929
Corpus Christi, Texas 78418
(361)658-3126***

July 26, 2022



Hades North Loop – Produced Water Line Release – Assessment Report
Novo Oil & Gas, Eddy County, New Mexico
Discovery Date: March 28, 2022

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Appendix G	Waste Documentation
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ACRONYMS AND ABBREVIATIONS

Altamira	Altamira-US, LLC
Novo	Novo Oil & Gas Northern Delaware, LLC
bgs	below ground surface
bbl	barrels
mg/kg	milligram per kilogram
NMOCD	New Mexico Oil Conservation District
TPH	Total Petroleum Hydrocarbons
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes

1.0 INTRODUCTION

Novo Oil & Gas Northern Delaware, LLC (Novo Oil & Gas) (OGRID No. 372920) operates a facility known as the “Hades North Loop” located in Field Name Purple Sage – Wolfcamp, T23S, R28E, Section 1, in Eddy County, New Mexico. On March 28, 2022, field personnel for Novo Oil & Gas discovered a release of produced water from a subsurface permanent produced water line. The produced water line and point of release is located in an open area near the produced water pipeline intersection near the site location. The release area is located approximately 1.6 miles northwest of the intersection of Highway 605 and Highway 31, latitude 32.3405953, longitude W-104.0455863 (**Figure 1 and Figure 2**). This Assessment Report has been prepared to document initial response actions and soil assessment efforts.

1.1 Release Details and Initial Response

On March 28, 2022, at approximately 6:30 am a release of produced water occurred as a result of a rupture on the permanent sub-grade produced water pipeline. Approximately 730 barrels of produced water was released into the area topographically down gradient of the point of rupture between two pipeline areas (bermed areas). The release occurred from an undetermined puncture or opening on the black polyethylene pipe that was located below grade. The release area is depicted on (**Figure 3**).

The release of produced water was identified by Novo Oil & Gas personnel and steps were taken to mitigate further release and contain and remove pooled areas of produced water. Novo Oil & Gas estimated approximately 730 barrels of produced water was released and approximately 300 barrels of produced water was recovered using vacuum trucks. The justification for the quantity release is based on the following:

- Water rate on the receiving end of Hades North Loop was 18,000 barrels of produced water per day.
- During the time of the rupture, the SCADA system was recording a rate of 11,0000 barrels per day.
- The difference of flow rate was approximately 7,000 barrels per day over a 2.5 hour time period (4:00 am – 6:30am).
- Total volume released is approximately 7,000 barrels per day/ 24 hours = 292 barrels x 2.5 hours = 730 barrels of produced water.

The area of the release occurred generally between the two raised pipeline segments located on each side of the area within the easement.

1.2 Notification

Based on the quantity of produced water released being greater than 25 barrels, the release was determined to be a Major release per 19.15.29.7.A NMAC. Immediate notification was provided by Kurt Shipley to the NMOCD and BLM hotlines on March 28, 2022. The initial online release notification C-141 was submitted to the New Mexico Oil Conservation District (NMOCD) on March 31, 2022. The OCD issued incident ID# nAPP2209041864 and approval dated April 5, 2022. Written notification of the release (BLM Major Undesirable Event Report) was also provided to

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the BLM. Copies of the C-141 Release Notification form and BLM Major Undesirable Event Report are provided in **Appendix A**.

1.3 Project Objectives

The project objectives were to: 1) conduct initial release cleanup efforts and 2) conduct soil assessment activities to evaluate general degree of impact to soil and provide overall delineation laterally and vertically.

1.4 Regulatory Framework

The Site is subject to environmental regulatory oversight by the NMOCD and regulations set forth in Title 19, Chapter 15, Part 29. Notification and assessment activities were conducted in accordance with guidelines outlined in 19.15.29 NMAC.

2.0 STANDARD OF CARE, LIMITATIONS, & RELIANCE

2.1 Standard of Care

Altamira's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same period of time. Altamira makes no warranties, expressed or implied, as to the services performed hereunder. Additionally, Altamira does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report.

2.2 Additional Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Altamira cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this scope of services. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Altamira's findings and recommendations are based solely upon data available to Altamira at the time of these services.

3.0 RECEPTOR AND WATER SOURCES SURVEY

3.1 Wellhead Protection Discussion

During assessment field activities, Altamira field personnel conducted a 0.5-mile radius search of the surrounding area to determine the presence of any known private or domestic water sources. During the search, no water wells or springs were identified within 0.5 miles of the release area. Altamira also reviewed available maps, satellite imagery, and reviewed the New Mexico Office of the State Engineers GIS database to search for known water wells. In review of the State

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Engineers GIS database, no water wells, monitoring wells or other subsurface water conveyances were identified within 0.5 miles of the release area.

Based on review of the FEMA Flood Map for the site area, the release area is located in Zone X “Area of Minimal Flood Hazard” (FIRM Panel 35015C1350D).

3.2 Significant Water Source Discussion

Altamira conducted a review of the significant watercourses nearest the release area. The Pecos River is located approximately 1.1 miles southwest of the Site. The release did not result in any adverse effects to the Pecos River. Salt Lake is located approximately 2.6 miles southeast of the Site area. No other watercourses were identified within a 0.5-mile radius of the release area.

4.0 Initial Remediation Activities

Following the release and notification to the OCD and BLM, Novo initiated remedial cleanup activities during April 2022. This included soil excavation and removal of affected soil areas based on visual wet areas and chloride residual identified on the soil surface. Approximately 1,040 cubic yards of soil was excavated, removed, and disposed of at the R360 facility near Hobbs New Mexico. Soil disposal information is provided on manifests located in **Appendix G**. Soil samples were collected along the release flow path (S-1 through S-8) **Table 1 and Figure 3**. Analytical data provided guidance for additional assessment and remediation efforts.

5.0 SOIL ASSESSMENT ACTIVITIES

Altamira on behalf of Novo Oil & Gas conducted soil assessment activities April 25-27, 2022, in the area of the produced water release to determine the degree of impact to soil. A total of 25 soil borings were installed to attempt to delineate the vertical and lateral extent of potential constituents of concern. Twenty-five soil borings (SB-1 – SB-25) were installed within the flow path of the produced water release and on the approximate lateral boundaries of the produced water release area.

5.1 Boring Installation and Soil Sample Methodology – April 2022

Prior to site assessment activities, Novo Oil & Gas prepared and submitted the WR-07 Application for Permit to Drill Well w/No Water Right and the WD-08 Well Plugging Plan of Operations (**Appendix B**) through the New Mexico Office of the State Engineers Office for the installation of soil boring SB-11. A state line/utility locate (811) was conducted to notify utility companies to properly mark utilities in the radius of the work area. Altamira and Novo Oil & Gas also provided 48-hour notification to the NMOCD and BLM via email (**Appendix A**).

Soil borings SB-1 and SB-25 were installed by Envirotech Drilling Company using a combination of direct push, flight auger, and air rotary drill methods. Soil samples were collected using a combination of direct push or air rotary (stainless-steel split spoon sampling device and cuttings) (dependent on lithology). Soil boring SB-11 was advanced to a total depth of 51-feet below ground surface for the purpose of lateral delineation and determination of depth of groundwater.

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Soil samples were collected continuously from the surface to the total depth of each soil boring. Representative soil/rock from each one to two-foot interval was placed into a plastic bag, allowed to equilibrate and field screened with a photo-ionization detector (PID) for the presence of organic vapors. Soil samples were lithologically described and observations noted on soil boring logs (**Appendix D**). Soil samples were collected and submitted for laboratory analysis generally from the surface to the total depth of each soil boring in one to two-foot sample intervals. Soil samples were placed in laboratory provided containers, labeled, and maintained/preserved on ice in an insulated cooler with chain-of-custody documentation.

The soil sample analysis was initially conducted on the first two shallow depth sample intervals. If a constituent of concern exceeded the Assessment/Closure Criteria set forth 19.15.29 NMAC then the constituent in the next deeper sample interval was also analyzed until vertical delineation was achieved. Soil samples were submitted to Cardinal Laboratory in Hobbs, New Mexico for analysis. Soil samples were collected and submitted for analysis for the following:

- Chlorides – EPA 4500-Cl-B
- TPH (GRO, DRO, MRO) – EPA SW-846 Method 8015B
- BTEX – EPA SW-846 Method 8260B

The initial soil sample interval 0-1 foot was analyzed for chlorides, TPH, and BTEX. If a constituent exceeded the allowable assessment/cleanup level, that constituent was analyzed in the next deeper sample interval.

Following installation of soil borings, Envirotech Drilling Company plugged each borehole (except SB-11) using bentonite chips (hydrated) and capped with concrete to the surface.

Soil boring SB-11 was plugged per the specifications provided in the Well Plugging Plan and approved by the State of New Mexico Office of the State Engineer. Soil boring SB-11 was plugged using a Type I/II cement-bentonite slurry per the specifications and tremied from the bottom of the borehole to the surface. A well log and plugging record for soil boring SB-11 was provided to the State of New Mexico Office of the State Engineer. The plugging report and documentation for soil boring SB-11 is provided in **Appendix F**.

5.2 Determination of Depth to Groundwater

Soil boring SB-11 was installed north of the point of release and was advanced to a depth of 51-feet below ground surface. The purpose of advancing soil boring SB-11 to 51-feet was to determine if groundwater was present below 51-feet. During boring advancement, variations of dry unconsolidated soil and rock were observed (refer to **Appendix D** – Boring Record SB-11). During advancement of soil boring SB-11, groundwater (saturation) was not encountered. The borehole was advanced to 51 feet below ground surface and allowed to stay open for a period of time. The non-presence of groundwater was verified with an electronic water level probe.

Based on the lines of evidence provided above, groundwater is not present from the surface to 51-feet below ground surface in the area of the release. Based on this site specific groundwater data, analytical data results will be compared to Closure Criteria for groundwater encountered at depths greater than 51 feet below ground surface.

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Discovery Date: March 28, 2022

6.0 DATA RESULTS & EVALUATION

Altamira utilized guidance from 19.15.29 NMAC, specifically *Table I - Closure Criteria for Soils Impacted by a Release* to assess soil sample analytical data collected at the Site.

The most stringent closure criteria action levels were utilized to evaluate analytical results for site soil assessment. Analytical results are provided on **Table 2** and Laboratory Analytical Data Report are provided in **Appendix H**.

6.1 Chloride Results

Analytical results for chlorides within the release area ranged from 16 mg/kg to 11,500 mg/kg (**Table 2**). Chloride concentrations exceeded 600 mg/kg in soil samples at soil borings SB-1 through SB-9 (in center of general flow path of produced water release), SB-20 through SB-23 (located within two areas located outside of the current easement), and in lateral delineation soil borings SB-13 and SB-18. The approximate lateral extent of the chloride impacted soil is depicted on **Figure 4**. It appears that the produced water followed general topography within the release area. It should also be noted that general lithology consisted of a mix of silt-sand and rock, which may have also aided in the infiltration of produced water to deeper soil intervals. Chloride impacts appeared the deepest at soil borings along the flow path of the release and SB-13. Most chloride concentrations above 600 mg/kg occur within the upper four feet of soil. Vertical delineation has been achieved (to below 600 mg/kg) for chlorides at each soil boring location.

Soil borings were installed radially outward from the known release area. Soil sample data for chlorides for these soil borings generally show lateral delineation and lack of impacts in the shallower soil profile. **Figure 4** depicts the delineation results for chlorides in soil. There is some lack of lateral delineation east of SB-13 and SB-18; southeast of SB-20, and west and northwest of SB-22 and SB-23.

6.2 TPH Results

TPH was analyzed on the initial shallowest soil sample from each soil boring. TPH was fractionated into the GRO/DRO/MRO ranges. For the purpose of assessment and in accordance with regulatory guidance, TPH concentrations were compared to an assessment level of 100 mg/kg. Analytical data results show total TPH detectable concentrations present in only soil sample SB-8 (0-1') at a concentration of 47 mg/kg. Analytical results for TPH in all other soil samples demonstrated non-detected concentrations below the laboratory reporting limit. Since TPH concentrations were below the applicable assessment level in all soil samples, analysis of TPH on deeper soil samples was not necessary. No further assessment of TPH should be necessary.

6.3 BTEX Results

BTEX was analyzed on the initial shallowest soil sample from each soil boring. For the purpose of assessment and in accordance with regulatory guidance, benzene and total BTEX concentrations were compared to an assessment level of 10 mg/kg and 50 mg/kg, respectively. Benzene was not detected above the laboratory reporting limit in any of the soil samples submitted for laboratory analysis. Analytical results show very low concentrations of total TEX were detected in seven soil samples/soil borings at the 0-1' depth interval. All TEX concentrations were

Hades North Loop – Produced Water Line Release – Assessment Report
Novo Oil & Gas, Eddy County, New Mexico
Discovery Date: March 28, 2022

significantly below the 10 mg/kg assessment level. Total BTEX was not detected in any of the other soil samples submitted for laboratory analysis. Since benzene and total BTEX concentrations were below the applicable assessment level in all soil samples, analysis of benzene and total BTEX on deeper soil samples was not necessary and screened from further assessment.

7.0 CONCLUSIONS

Assessment activities have been conducted in accordance with NMAC 19.15.29. Novo Oil & Gas reported a produced water release of approximately 7300 barrels based on the justification provided in Section 1.1. Novo was able to recover approximately 300 barrels of the released produced water. The release area was immediately marked using wooden stakes to delineate wet versus dry soils. Novo conducted initial soil remediation efforts in early April 2022 to remove moist soil areas and areas of visual chloride impacts. A total of 25 soil borings have been installed for the vertical and lateral delineation of chlorides, TPH, benzene, and total BTEX. Analytical results do indicate chloride concentrations exceed the 600 mg/kg assessment level in shallow soils within the release area (mainly in the upper four feet). Based on the analytical results for TPH, benzene and total BTEX, no further evaluation of TPH, benzene or total BTEX is necessary and should not be considered a constituent of concern moving forward.

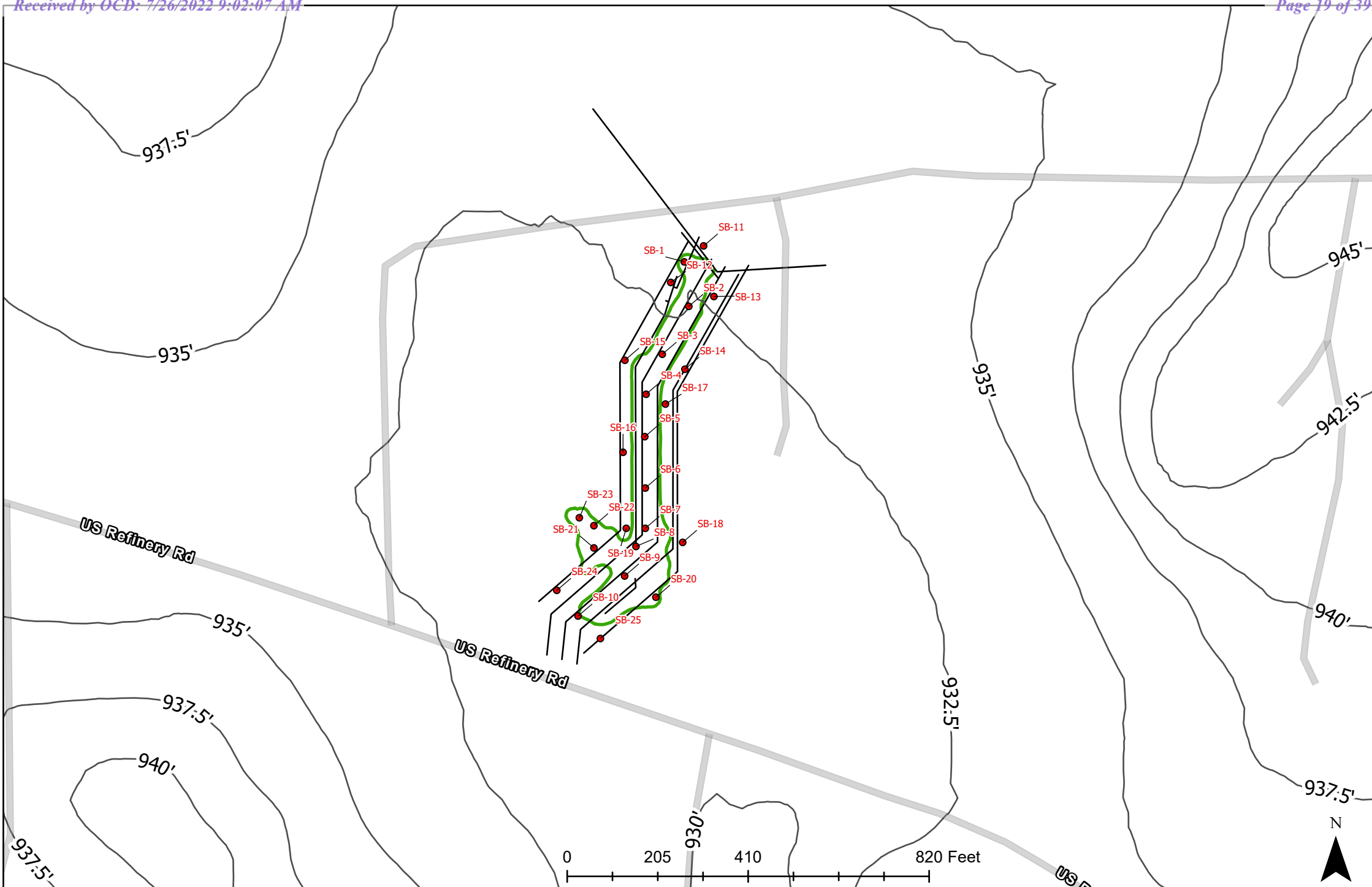
There are several areas where the lateral extent of chlorides from the release area are not well defined based on soil boring/sample data (lack of lateral delineation east of SB-13 and SB-18; southeast of SB-20, and west and northwest of SB-22 and SB-23). Novo will complete additional lateral delineation during the remediation process. These areas will be over-excavated laterally and confirmation soil samples will be collected for laboratory analysis until lateral delineation is complete.

Novo is working with Patriot Environmental Services on cost and planning for remediation. The remediation plan will be submitted to the OCD and BLM following final planning with contractors.

This assessment report and forthcoming remediation plan will also be submitted to the BLM for their review and comment.



FIGURES

**Legend**

- Soil Sample Location
- BPL
- CONTROL

Notes:**Site Area Topographic Map**

Hades North Loop - Produced
Water Release NAPP2209041864
Eddy County, New Mexico
Novo Oil and Gas Northern Delaware, LLC

Date:
7/15/2022

Figure 1



**Legend**

- Soil Sample Location
- BPL
- CONTROL

Notes:**Site Location Map**

Hades North Loop - Produced
Water Release NAPP2209041864
Eddy County, New Mexico
Novo Oil and Gas Northern Delaware, LLC

Date:
7/15/2022

Figure 2



DISCOVERY DATE
MARCH 28, 2022

R.O.W.

ORYX CRUDE
OIL PIPELINEEASEMENT
BOUNDARY

POINT OF RELEASE

NOVO PRODUCED
WATER LINENOVO PRODUCED
WATER LINE

PIPELINE

EASEMENT
BOUNDARY

SPILL AREA BREAKDOWN
TOTAL AREA = 1.795 ACRES
OUTSIDE EASEMENTS
TOTAL AREA = 0.184 ACRES

US Refinery Rd

N

0 95 190 380 Feet

Legend

- Post Initial Cleanup - Soil Sample Location (4/7/2022)
- Soil Boring Location (4/25-27/2022)
- EASEMENT
- - PIPELINE
- - WATER
- SPILL AREA
- other
- ▤ Area Outside Easements

Notes:

Site Plan

Hades North Loop -
Produced Water Release
NAPP2209041864
Eddy County, New Mexico
Novo Oil and Gas Northern
Delaware, LLC

Date:
7/19/2022

Figure 3

ALTAMIRA

DISCOVERY DATE
MARCH 28, 2022

R.O.W.

ORYX CRUDE
OIL PIPELINEEASEMENT
BOUNDARY

POINT OF RELEASE

NOVO PRODUCED
WATER LINENOVO PRODUCED
WATER LINE

PIPELINE

EASEMENT
BOUNDARY

ID	Date	Chloride
S-1 (1.5')	4/7/2022	96
S-2 (2')	4/7/2022	1,960
S-3 (2')	4/7/2022	4,880
S-4 (1.5')	4/7/2022	5,280
S-5 (1.5')	4/7/2022	8,000
S-6 (3.5')	4/7/2022	5,200
S-7 (1')	4/7/2022	4,880
S-8 (1.5')	4/7/2022	64

ID	Date	Chloride
SB-1 (0-1')	4/26/2022	4,960
SB-1 (2-3')	4/26/2022	2,160
SB-1 (3-4')	4/26/2022	208
SB-2 (0-1')	4/25/2022	1,650
SB-2 (2-3')	4/25/2022	16
SB-2 (5-6')	4/25/2022	800
SB-2 (7-8')	4/25/2022	48
SB-3 (0-1')	4/25/2022	6,240
SB-3 (2-3')	4/25/2022	2,560
SB-3 (3-4')	4/25/2022	1,410
SB-3 (5-6')	4/25/2022	176
SB-4 (0-1')	4/25/2022	6,800
SB-4 (2-3')	4/25/2022	5,760
SB-4 (3-4')	4/25/2022	5,520
SB-4 (5-6')	4/25/2022	208
SB-5 (0-1')	4/25/2022	8,880
SB-5 (2-3')	4/25/2022	1,420
SB-5 (5-6')	4/25/2022	64
SB-6 (0-1')	4/25/2022	4,400
SB-6 (2-3')	4/25/2022	448
SB-6 (5-6')	4/25/2022	384
SB-7 (0-1')	4/25/2022	1,580
SB-7 (2-3')	4/25/2022	2,080
SB-7 (3-4')	4/25/2022	1,360
SB-7 (5-6')	4/25/2022	720
SB-7 (7-8')	4/25/2022	320
SB-8 (0-1')	4/25/2022	11,500
SB-8 (2-3')	4/25/2022	192
SB-8 (5-6')	4/25/2022	320
SB-8 (7-8')	4/25/2022	256

ID	Date	Chloride
SB-9 (0-1')	4/25/2022	1,330
SB-9 (2-3')	4/25/2022	272
SB-10 (0-1')	4/25/2022	112
SB-20 (0-1')	4/27/2022	4,000
SB-20 (2-3')	4/27/2022	480
SB-20 (3-4')	4/27/2022	1,680
SB-20 (5-6')	4/27/2022	4,880
SB-20 (7-8')	4/27/2022	576
SB-20 (9-10')	4/27/2022	112
SB-21 (0-1')	4/27/2022	2,760
SB-21 (2-3')	4/27/2022	400
SB-21 (3-4')	4/27/2022	384
SB-22 (0-1')	4/27/2022	4,640
SB-22 (2-3')	4/27/2022	192
SB-22 (3-4')	4/27/2022	272
SB-23 (0-1')	4/27/2022	9,060
SB-23 (2-3')	4/27/2022	5,680
SB-23 (3-4')	4/27/2022	1,020
SB-23 (5-6')	4/27/2022	256
Lateral Delineation Soil Borings		
SB-11 (0-1')	4/26/2022	96
SB-11 (3-4')	4/26/2022	48
SB-11 (7-8')	4/26/2022	64
SB-12 (0-1')	4/26/2022	480
SB-12 (2-3')	4/26/2022	16
SB-12 (5-6')	4/26/2022	528
SB-12 (27-8')	4/26/2022	48

ID	Date	Chloride
SB-13 (0-1')	4/26/2022	7,600
SB-13 (2-3')	4/26/2022	9,800
SB-13 (3-4')	4/26/2022	5,920
SB-13 (5-6')	4/26/2022	4,560
SB-13 (7-8')	4/26/2022	3,840
SB-13 (9-10')	4/26/2022	16
SB-13 (11-12')	4/26/2022	16
SB-14 (0-1')	4/27/2022	48
SB-14 (2-3')	4/27/2022	64
SB-14 (3-4')	4/27/2022	48
SB-15 (0-1')	4/26/2022	128
SB-15 (2-3')	4/26/2022	32
SB-15 (3-4')	4/26/2022	64
SB-16 (0-1')	4/27/2022	128
SB-16 (2-3')	4/27/2022	80
SB-16 (5-6')	4/27/2022	32
SB-17 (0-1')	4/27/2022	48
SB-17 (2-3')	4/27/2022	48
SB-17 (5-6')	4/27/2022	64
SB-18 (0-1')	4/27/2022	9,360
SB-18 (2-3')	4/27/2022	48
SB-18 (3-4')	4/27/2022	64
SB-18 (5-6')	4/27/2022	528
SB-19 (0-1')	4/25/2022	352
SB-19 (2-3')	4/25/2022	144
SB-19 (3-4')	4/25/2022	192
SB-19 (5-6')	4/25/2022	336
SB-24 (0-1')	4/25/2022	80
SB-24 (2-3')	4/25/2022	16
SB-24 (3-4')	4/25/2022	64
SB-25 (0-1')	4/27/2022	112
SB-25 (2-3')	4/27/2022	80
SB-25 (5-6')	4/27/2022	224

> 600 mg/Kg

US Refinery Rd

N

0 95 190 380 Feet

Legend

- Post Initial Cleanup - Soil Sample Location (4/7/2022)
- Soil Boring Location (4/25-27/2022)
- EASEMENT
- PIPELINE
- WATER
- SPILL AREA
- other
- Area Outside Easements

Notes:

Assessment Action
Level = 600 mg/Kg

Site Plan

Hades North Loop -
Produced Water Release
NAPP2209041864
Eddy County, New Mexico
Novo Oil and Gas Northern
Delaware, LLC

Date:
7/26/2022

Figure 4





TABLE 1
Analytical Data Results Summary – Post Initial Cleanup - Soil Samples (mg/kg)

Analytical Data Results Summary - Post Initial Cleanup Effort - Soil Samples (mg/kg)
Novo Oil Gas - Hades North Loop Produced Water Release
(Discovered March 28, 2022)
Near Loving, New Mexico

Analyte Method		Chloride 4500-Cl-B	BTEX 8260B	Benzene 8260B	TPH (C6-C10) 8015B	TPH (C10-28) 8015B	TPH (C28-36) 8015B	Total TPH 8015B
Table I - Closure Criteria (0-4')		600	50	10	-	-	-	100
Sample ID	Sample Date							
Post Initial Cleanup Effort - Surface Soil Samples								
S-1 (1.5')	4/7/2022	96	<0.15	<0.025	<10	<10	<10	<10
S-2 (2')	4/7/2022	1,960	<0.15	<0.025	<10	<10	<10	<10
S-3 (2')	4/7/2022	4,880	<0.15	<0.025	<10	<10	<10	<10
S-4 (1.5')	4/7/2022	5,280	<0.15	<0.025	<10	<10	<10	<10
S-5 (1.5')	4/7/2022	8,000	<0.15	<0.025	<10	<10	<10	<10
S-6 (3.5')	4/7/2022	5,200	<0.15	<0.025	<10	<10	<10	<10
S-7 (1')	4/7/2022	4,880	<0.15	<0.025	<10	<10	<10	<10
S-8 (1.5')	4/7/2022	64	<0.15	<0.025	<10	<10	<10	<10

Notes:

All results are in mg/kg

Closure Criteria Soils - Table I of 19.15.29.12 NMAC

TPH - Total Petroleum Hydrocarbons - includes GRO, DRO, MRO

BTEX - Benzene, Toluene, Ethylbenzene, Xylenes

- - indicates constituent was not analyzed

< number is the SDL (not detected above the sample detection limit)

Bold indicates that a COC was detected

Shading indicates that a detected result exceeded the NMOCD Table 1 Closure Criteria Levels



TABLE 2
Analytical Data Results Summary – Soil Assessment Samples (mg/kg)

Table 2
Analytical Data Results Summary - Soil Assessment Samples (mg/kg)
Novo Oil Gas - Hades North Loop Produced Water Release
(Discovered March 28, 2022)
Near Loving, New Mexico

Analyte Method		Chloride 4500-Cl-B	BTEX 8260B	Benzene 8260B	TPH (C6-C10) 8015B	TPH (C10-28) 8015B	TPH (C28-36) 8015B	Total TPH 8015B
Table I - Closure Criteria (0-4')		600	50	10	-	-	-	100
Sample ID	Sample Date							
Source Area Soil Borings								
SB-1 (0-1')	4/26/2022	4,960	<0.150	<0.025	<10.0	<10.0	<10.0	<10.0
SB-1 (2-3')	4/26/2022	2,160	-	-	-	-	-	-
SB-1 (3-4')	4/26/2022	208	-	-	-	-	-	-
SB-2 (0-1')	4/25/2022	1,650	<0.150	<0.025	<10.0	<10.0	<10.0	<10.0
SB-2 (2-3')	4/25/2022	16	-	-	-	-	-	-
SB-2 (5-6')	4/25/2022	800	-	-	-	-	-	-
SB-2 (7-8')	4/25/2022	48	-	-	-	-	-	-
SB-3 (0-1')	4/25/2022	6,240	<0.150	<0.025	<10.0	<10.0	<10.0	<10.0
SB-3 (2-3')	4/25/2022	2,560	-	-	-	-	-	-
SB-3 (3-4')	4/25/2022	1,410	-	-	-	-	-	-
SB-3 (5-6')	4/25/2022	176	-	-	-	-	-	-
SB-4 (0-1')	4/25/2022	6,800	<0.150	<0.025	<10.0	<10.0	<10.0	<10.0
SB-4 (2-3')	4/25/2022	5,760	-	-	-	-	-	-
SB-4 (3-4')	4/25/2022	5,520	-	-	-	-	-	-
SB-4 (5-6')	4/25/2022	208	-	-	-	-	-	-
SB-5 (0-1')	4/25/2022	8,880	<0.150	<0.025	<10.0	<10.0	<10.0	<10.0
SB-5 (2-3')	4/25/2022	1,420	-	-	-	-	-	-
SB-5 (5-6')	4/25/2022	64	-	-	-	-	-	-
SB-6 (0-1')	4/25/2022	4,400	<0.150	<0.025	<10.0	<10.0	<10.0	<10.0
SB-6 (2-3')	4/25/2022	448	-	-	-	-	-	-
SB-6 (5-6')	4/25/2022	384	-	-	-	-	-	-
SB-7 (0-1')	4/25/2022	1,580	<0.150	<0.025	<10.0	<10.0	<10.0	<10.0
SB-7 (2-3')	4/25/2022	2,080	-	-	-	-	-	-
SB-7 (3-4')	4/25/2022	1,360	-	-	-	-	-	-
SB-7 (5-6')	4/25/2022	720	-	-	-	-	-	-
SB-7 (7-8')	4/25/2022	320	-	-	-	-	-	-
SB-8 (0-1')	4/25/2022	11,500	0.078	<0.025	10.5	36.5	<10.0	47
SB-8 (2-3')	4/25/2022	192	-	-	-	-	-	-
SB-8 (5-6')	4/25/2022	320	-	-	-	-	-	-
SB-8 (7-8')	4/25/2022	256	-	-	-	-	-	-
SB-9 (0-1')	4/25/2022	1,330	<0.150	<0.025	<10.0	<10.0	<10.0	<10.0
SB-9 (2-3')	4/25/2022	272	-	-	-	-	-	-

Table 2
Analytical Data Results Summary - Soil Assessment Samples (mg/kg)
Novo Oil Gas - Hades North Loop Produced Water Release
(Discovered March 28, 2022)
Near Loving, New Mexico

Analyte Method		Chloride 4500-Cl-B	BTEX 8260B	Benzene 8260B	TPH (C6-C10) 8015B	TPH (C10-28) 8015B	TPH (C28-36) 8015B	Total TPH 8015B
Table I - Closure Criteria (0-4')		600	50	10	-	-	-	100
SB10 (0-1')	4/25/2022	112	<0.150	<0.025	<10.0	<10.0	<10.0	<10.0
SB-20 (0-1')	4/27/2022	4,000	0.147	<0.025	<10.0	<10.0	<10.0	<10.0
SB-20 (2-3')	4/27/2022	480	-	-	-	-	-	-
SB-20 (3-4')	4/27/2022	1,680	-	-	-	-	-	-
SB-20 (5-6')	4/27/2022	4,880	-	-	-	-	-	-
SB-20 (7-8')	4/27/2022	576	-	-	-	-	-	-
SB-20 (9-10')	4/27/2022	112	-	-	-	-	-	-
SB-21 (0-1')	4/27/2022	2,760	<0.150	<0.025	<10.0	<10.0	<10.0	<10.0
SB-21 (2-3')	4/27/2022	400	-	-	-	-	-	-
SB-21 (3-4')	4/27/2022	384	-	-	-	-	-	-
SB-22 (0-1')	4/27/2022	4,640	<0.150	<0.025	<10.0	<10.0	<10.0	<10.0
SB-22 (2-3')	4/27/2022	192	-	-	-	-	-	-
SB-22 (3-4')	4/27/2022	272	-	-	-	-	-	-
SB-23 (0-1')	4/27/2022	9,060	0.212	<0.025	<10.0	<10.0	<10.0	<10.0
SB-23 (2-3')	4/27/2022	5,680	-	-	-	-	-	-
SB-23 (3-4')	4/27/2022	1,020	-	-	-	-	-	-
SB-23 (5-6')	4/27/2022	256	-	-	-	-	-	-
Lateral Delineation Soil Borings								
SB-11 (0-1')	4/26/2022	96	<0.150	<0.025	<10.0	<10.0	<10.0	<10.0
SB-11 (3-4')	4/26/2022	48	-	-	-	-	-	-
SB-11 (7-8')	4/26/2022	64	-	-	-	-	-	-
SB-12 (0-1')	4/26/2022	480	<0.150	<0.025	<10.0	<10.0	<10.0	<10.0
SB-12 (2-3')	4/26/2022	16	-	-	-	-	-	-
SB-12 (5-6')	4/26/2022	528	-	-	-	-	-	-
SB-12 (27-8')	4/26/2022	48	-	-	-	-	-	-
SB-13 (0-1')	4/26/2022	7,600	<0.150	<0.025	<10.0	<10.0	<10.0	<10.0
SB-13 (2-3')	4/26/2022	9,800	-	-	-	-	-	-
SB-13 (3-4')	4/26/2022	5,920	-	-	-	-	-	-
SB-13 (5-6')	4/26/2022	4,560	-	-	-	-	-	-
SB-13 (7-8')	4/26/2022	3,840	-	-	-	-	-	-
SB-13 (9-10')	4/26/2022	16	-	-	-	-	-	-
SB-13 (11-12')	4/26/2022	16	-	-	-	-	-	-
SB-14 (0-1')	4/27/2022	48	<0.150	<0.025	<10.0	<10.0	<10.0	<10.0

Table 2
Analytical Data Results Summary - Soil Assessment Samples (mg/kg)
Novo Oil Gas - Hades North Loop Produced Water Release
(Discovered March 28, 2022)
Near Loving, New Mexico

Analyte Method		Chloride 4500-Cl-B	BTEX 8260B	Benzene 8260B	TPH (C6-C10) 8015B	TPH (C10-28) 8015B	TPH (C28-36) 8015B	Total TPH 8015B
Table 1 - Closure Criteria (0-4')		600	50	10	-	-	-	100
SB-14 (2-3')	4/27/2022	64	-	-	-	-	-	-
SB-14 (3-4')	4/27/2022	48	-	-	-	-	-	-
SB-15 (0-1')	4/26/2022	128	<0.150	<0.025	<10.0	<10.0	<10.0	<10.0
SB-15 (2-3')	4/26/2022	32	-	-	-	-	-	-
SB-15 (3-4')	4/26/2022	64	-	-	-	-	-	-
SB-16 (0-1')	4/27/2022	128	0.078	<0.025	<10.0	<10.0	<10.0	<10.0
SB-16 (2-3')	4/27/2022	80	-	-	-	-	-	-
SB-16 (5-6')	4/27/2022	32	-	-	-	-	-	-
SB-17 (0-1')	4/27/2022	48	0.219	<0.025	<10.0	<10.0	<10.0	<10.0
SB-17 (2-3')	4/27/2022	48	-	-	-	-	-	-
SB-17 (5-6')	4/27/2022	64	-	-	-	-	-	-
SB-18 (0-1')	4/27/2022	9,360	0.088	<0.025	<10.0	<10.0	<10.0	<10.0
SB-18 (2-3')	4/27/2022	48	-	-	-	-	-	-
SB-18 (3-4')	4/27/2022	64	-	-	-	-	-	-
SB-18 (5-6')	4/27/2022	528	-	-	-	-	-	-
SB-19 (0-1')	4/25/2022	352	<0.150	<0.025	<10.0	<10.0	<10.0	<10.0
SB-19 (2-3')	4/25/2022	144	-	-	-	-	-	-
SB-19 (3-4')	4/25/2022	192	-	-	-	-	-	-
SB-19 (5-6')	4/25/2022	336	-	-	-	-	-	-
SB-24 (0-1')	4/25/2022	80	<0.150	<0.025	<10.0	<10.0	<10.0	<10.0
SB-24 (2-3')	4/25/2022	16	-	-	-	-	-	-
SB-24 (3-4')	4/25/2022	64	-	-	-	-	-	-
SB-25 (0-1')	4/27/2022	112	0.05	<0.025	<10.0	<10.0	<10.0	<10.0
SB-25 (2-3')	4/27/2022	80	-	-	-	-	-	-
SB-25 (5-6')	4/27/2022	224	-	-	-	-	-	-

Notes:

All results are in mg/kg

Closure Criteria Soils - Table I of 19.15.29.12 NMAC

TPH - Total Petroleum Hydrocarbons - includes GRO, DRO, MRO

BTEX - Benzene, Toluene, Ethylbenzene, Xylenes

- - indicates constituent was not analyzed

< number is the SDL (not detected above the sample detection limit)

Bold indicates that a COC was detected

Shading indicates that a detected result exceeded the NMOCD Table 1 Closure Criteria Levels



APPENDIX A
Notification and Agency Correspondence

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	nAPP2209041864
District RP	
Facility ID	
Application ID	94798

Release Notification

Responsible Party

Responsible Party: Novo Oil & Gas Northern Delaware, LLC	OGRID 372920
Contact Name: Kurt A. Shipley	Contact Telephone: 405-286-3916
Contact email: kshipley@novooog.com	Incident # (assigned by OCD): nAPP2209041864
Contact mailing address: 1001 West Wilshire Blvd., Suite 206 Oklahoma City, OK 73116	

Location of Release Source

Latitude 32.3405953Longitude -104.0455863
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Hades North Loop	Site Type: Produced Water Line (production)
Date Release Discovered: 03/28/2022 at 6:30 am	API# (if applicable)

Unit Letter	Section	Township	Range	County
D	1	T23S	R28E	Eddy

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): 730	Volume Recovered (bbls): 300
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" 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 leak occurred because of a rupture in the body of the poly pipe (not at a fused connection). The cause of the rupture is unknown at this time. We could not find the root cause with our field inspections. We sent the section of pipe with the rupture to be inspected by the distributor and the manufacturer of the pipe.

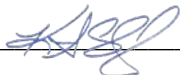
Volume Calculation is included on ATTACHMENT on page 3.

Incident ID	nAPP2209041864
District RP	
Facility ID	
Application ID	94798

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Calculated volume of the release was 730 bbls of produced water, which is greater than the 25 bbl threshold defining a major release.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Immediate notification was provided by Kurt Shipley on March 28, 2022 at 4:47pm by phone. Notification was made to the NMOCD – Artesia Office (575.703.3842). A recorded message was provided on the hotline voicemail (Laura Polk). Bryan Haney with Altamira-US (on behalf of Novo Oil & Gas Northern Delaware, LLC.) submitted notification of a release (NOR) on the online OCD system on March 31, 2022.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: All actions above have been completed.	
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: <u>Kurt A. Shipley</u>	Title: <u>Chief Operating Officer</u>
Signature: 	Date: <u>March 31, 2022</u>
email: <u>kshipley@novoog.com</u>	Telephone: <u>405-286-3916</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>04/05/2022</u>

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2209041864
District RP	
Facility ID	
Application ID	94798

ATTACHMENT

Release Volume Calculation:

Water rate on the receiving end of the Hades North Loop was 18,000 bbls of produced water per day. This was recorded on the San Mateo SCADA water meter. During the time that the pipe was leaking, the receiving end SCADA meter was receiving a rate 11,000 bbls of produced water per day. The difference was 18,000 bbls minus 11,000 bbls, equal to 7,000 bbls of produced water per day.

This is our estimated rate for the amount of water lost from the pipeline during the failure while the pipeline was in operation. The SCADA data shows the meter receiving the reduced rate from 4:00am to 6:30am (2.5 hours).

This calculates to 7,000 bbls per day / 24 hours = 292 bbls x 2.5 hours = 730 bbls.

From: [Hamlet, Robert, EMNRD](#)
To: [Bryan Haney](#)
Cc: [Kurt Shipley](#); [Bratcher, Mike, EMNRD](#); [Hensley, Chad, EMNRD](#); [Velez, Nelson, EMNRD](#); [Nobui, Jennifer, EMNRD](#)
Subject: RE: [EXTERNAL] Novo Hades North Loop Produced Water Release Update
Date: Tuesday, April 5, 2022 2:39:11 PM
Attachments: [image003.png](#)

Bryan,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

811 S. First Street | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>



From: Bryan Haney <Bryan.Haney@Altamira-US.com>
Sent: Tuesday, April 5, 2022 11:54 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Kurt Shipley <kshipley@novooog.com>
Subject: [EXTERNAL] Novo Hades North Loop Produced Water Release Update

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Rob and Mike,

I have attached the submitted C-141 initial notification and volume calculations.

Novo is onsite now scraping up soil containing chlorides/chloride crust and moist affected soil. We anticipate to expand that effort this week and begin post excavation confirmation soil sampling on Thursday. Please accept this email as notification of our field activities and planned confirmation soil sampling.

Since this was a produced water release, we will be collecting five-point composite soil samples for analysis of chlorides, TPH and BTEX. Since we are currently unsure of the depth to groundwater, we will use the most strict cleanup levels on Table I.

We have also consulted with Shelly at the BLM to notify her of our remediation efforts. She approved for Novo to proceed.

If you have any questions please let me know

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com



From: OCDOnline@state.nm.us
To: [Bryan Haney](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 94798
Date: Thursday, March 31, 2022 12:38:10 PM

To whom it may concern (c/o Bryan Haney for NOVO OIL & GAS NORTHERN DELAWARE, LLC),

The OCD has accepted the submitted *Notification of a release* (NOR), for incident ID (n#) nAPP2209041864,
with the following conditions:

- **When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.**

Please reference nAPP2209041864, on all subsequent C-141 submissions and communications regarding the remediation of this release.

NOTE: As of December 2019, NMOCD has discontinued the use of the “RP” number.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

ocd.enviro@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505



United States Department of Interior
Bureau of Land Management
Major Undesirable Event Report¹

ATTACHMENT 2

Report Type: Initial 24-Hour <input checked="" type="checkbox"/>		15-Day/Final <input type="checkbox"/>		Other/Follow-up <input type="checkbox"/>	
BLM Field Office: Carlsbad			State: New Mexico		
BLM Contact:			Date of this Report: 3-28-2022		
Company Official Reporting to BLM: Kurt Shipley (Chief Operating Officer)					
Operator: Novo Oil & Gas Northern Delaware, LLC					
Date/Time of Occurrence: 3-28-2022 at 6:30am			Date/Time BLM Notified: 3-28-2022 at 4:10pm		
Field/Unit Name:			Lease Number:		
State: NM	County: Eddy	Twp: T23S	Rng: R28E	Sec: 1	Qtr: NWNW
Lat 32.3405953, Long -104.0455863					
Surface Ownership: Federal		Federal: <input checked="" type="checkbox"/>	Indian: <input type="checkbox"/>	State: <input type="checkbox"/>	FEE <input type="checkbox"/>
Type and Relevant Details of Event					
Oil Spill <input type="checkbox"/>	Oil/Water Spill <input type="checkbox"/>	Gas Venting <input type="checkbox"/>	Toxic Fluid Spill <input type="checkbox"/>		
Saltwater Spill <input checked="" type="checkbox"/>	Other Spill (Specific) <input type="checkbox"/>	Blowout <input type="checkbox"/>	Fire <input type="checkbox"/>		
Injury <input type="checkbox"/>	Fatality <input type="checkbox"/>	Property Damage <input type="checkbox"/>	Explosion <input type="checkbox"/>		
Nature and Cause of Event: Permanent produced water pipeline break below ground at camel back riser above ground.					
Environmental Impact: Approximately 300-500 bbls saltwater spilled to the pipeline ROW. 300 bbls was removed with vacuum truck. Approximate affected an area on ROW of 70 feet by 650 ft. Chlorides: 50,000 ppm chlorides					
Time Required to Control Event (Hours) :		10 minutes (3 hours of leak)			
Volume Discharged or Consumed:		OIL: ____ bbls WATER: <u>500</u> bbls GAS: ____ mcf			
Volumes Recovered:		OIL: ____ bbls WATER: <u>150</u> bbls			
Net Volume Lost:		OIL: ____ bbls WATER: <u>350</u> bbls			
Action Taken to Control Event: Removed 300 bbls of free standing water with vacuum truck. Marking area. Taking photos. Left message with BLM and NMOCD Spill Hotline.					
Resulting Damage: None.					
Clean-Up Procedures: Pending.					
Cause/Extent of Personal Injury: None.					
Actions the operator has taken or will take to prevent a recurrence of the incident: Repaired line. Emergency shut off valves.					
Agency Notification List:	Agency Name	Contact Name	Date/Time		
(Federal/State/Local):	BLM – Carlsbad	Left message	3-28-2022 4:10pm		
	NMOCD – Laura Polk	Left message	3-28-2022 4:47pm		

¹ As required per Section III, NTL-3A, Federal Register Notice Vol. 44-No. 7, Wednesday, January 10, 1979, [NTL-3A] Reporting Of Undesirable Events, Notice to Lessees and Operators; P. 2204-2206

Attachment 2-1

Remarks: Include available Major Undesirable Events (MUE) history (attach additional sheet, if needed) for the past 3 years of the same well. Include pictures, if available

Attachment 2-2

From: [Tucker, Shelly J](#)
To: [Bryan Haney](#); [Hamlet, Robert, EMNRD](#); [Bratcher, Mike, EMNRD](#)
Cc: [Kurt Shipley](#)
Subject: Re: [EXTERNAL] RE: Novo Oil and Gas - Hades North Loop Release Site
Date: Wednesday, April 13, 2022 4:19:05 PM
Attachments: [image002.png](#)
[image003.png](#)

BLM hereby authorizes you to perform additional assessment work outside of your approve ROW.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist
Realty - Compliance

Bureau of Land Management
620 E. Greene St
Carlsbad, NM 88220

575.234.5706 - Direct
575.499.6831 - Mobile

stucker@blm.gov

*Please note a new spill/release email account has been set up. Please forward future email notifications for **spills/releases only** to this central email to ensure if I am unavailable, my supervisor will be able to assist with any questions.*

Spill/Release email: **BLM_NM_CFO_REALTY_SPILL@BLM.GOV**

From: Bryan Haney <Bryan.Haney@Altamira-US.com>
Sent: Wednesday, April 13, 2022 8:56 AM
To: Tucker, Shelly J <stucker@blm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Kurt Shipley <kshipley@novooog.com>
Subject: [EXTERNAL] RE: Novo Oil and Gas - Hades North Loop Release Site

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Hi Shelly,

Novo conducted a land survey for the Hades North Loop site so that we could accurately depict the release and easements. As you will notice, there are two small areas where it appears the release of produced water extended. We want to ensure you have the accurate information. Since these two areas are outside of the current easement, Novo would like to request permission to conduct additional assessment work within these areas to define the extent of any potential impacts and remediate as necessary.

Removal of the significant portion of chloride affected soil has been completed within the easement area; however, remediation is not complete. Novo has decided to conduct a soil assessment to define the lateral and vertical extent of chloride impacts in the shallow soil. Novo and Altamira plan to begin assessment activities on April 26th. I will prepare a short scope of work for the assessment along with a figure showing the proposed soil boring locations and send that out.

I will provide email Notification confirming our assessment start date by the middle of next week to both the BLM and NMOCD.

Please let me know if you have any questions or need additional information at this point.

Thanks again for your help,

Bryan

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com



From: Tucker, Shelly J <stucker@blm.gov>

Sent: Tuesday, March 29, 2022 6:22 PM

To: Kurt Shipley <kshipley@novoog.com>; Mike Bratcher (mike.bratcher@state.nm.us) <mike.bratcher@state.nm.us>; Bryan Haney <Bryan.Haney@Altamira-US.com>; Gomez, Robert <rgomez@blm.gov>

Subject: Re: [EXTERNAL] Spill Report - Initial 24 Hour

Based on current data and information that you have submitted to the BLM, please be aware of the following environmental items prior to any sampling or excavation activities.

1. Release Date & GPS: 03.28.2022 -104.045586, 32.3405953
2. The point of release occurred within **Novo Oil & Gas – Buried Saltwater Line – Need ROW # and name** which is covered under a previous survey, no additional archeological surveys will be required.
3. The release **did not impact any known archaeological area**.
4. This area **is** located within a **Medium karst zone** a karst survey **will be required**.
5. This site is **cleared** of **flood zones, active playas, watershed, intermittent streams, etc.**
6. Site **is** located within a **Special Status Plant Species** area. The site **will require a survey**.
7. The site **is not** located within a wildlife T&E species habitat.
8. Area **is not** located within Shinnery Oak PDO.
9. Soils are within the **Simona-Bippus Complex**.
10. BLM Seed Mix: **2 - Sand** will be required for remedial actions.
11. Area is noted to be within **0-5% slope**.
12. Site **is not** located within a Special Area of concern.
13. Site **is not** located within **ACEC**.
14. Site **is** located within approved Potash development area – Rana Salada 0106 and SOPA.

Initial Stipulations:

1. Prior to any staging or excavation activities, all surveys (if required) must be completed, and you must have an approved Corrective Action Plan from the BLM and NMOCD.
2. A copy of the cleanup plan and conditions of approval must be given to the contractor or site work personnel and be present on the location during all cleanup operations.
3. The authorized officer **must be notified** at the following phases of cleanup or conditions:
 1. Prior to moving equipment on site for cleanup
 2. When the excavation is nearing completion and a BLM inspection of the excavation or witnessing of sampling is required by the cleanup plan COA's.
 3. When the remedial action is nearing completion, to schedule a final onsite **prior** to removal of equipment.
 4. Three days **prior** to the site being seeded (if reseeding is required).
 5. **Any time** that a variance of the approved plan or conditions of approval is required.
 6. In the event that you encounter excavation difficulties, unexpected void areas, or archeological artifacts the Authorized Officer must be contacted immediately. An onsite may be required to assess the situation.
 7. **24 hour sampling notification will be required prior to confirmation samples.**

4. You are **not authorized** to stage equipment nor work outside your approved easement. If this release has impacted areas outside of the authorized easement, you must contact the Authorized Officer for authorization to work outside of the authorized easement.

Cleanup Stipulations:

1. The BLM requires horizontal and vertical delineation of the spill impacted.
2. The BLM may wish to inspect the excavation once it reaches cleanup depth/width. Confirmation samples of excavation **bottom, sidewalls, and any visibly affected areas** outside of the excavation trench will be required; the BLM may witness the sampling. Contact the authorized officer to schedule
3. Lab analysis of the confirmation sampling must be forwarded to the authorized officer for final approval before backfilling. Based on the sampling results, additional cleanup may be required, or the site may be approved for closure.
4. Once final approval of cleanup is given, the excavation can be backfilled with clean soil to the level of the original native contour plus enough loft to accommodate the settling and compaction of unconsolidated fill soils.
5. At the time of the final onsite for this location, the easement, access road, and the surrounding pasture areas must be in a condition that will pass a routine inspection.
6. All household trash, debris, disconnected pipe and equipment must be removed from the area and the surrounding pasture and hauled to an authorized landfill. Do not bury cleanup trash, equipment debris, or household garbage in the cleanup excavation.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

**Environmental Protection Specialist
Realty - Compliance**

**Bureau of Land Management
620 E. Greene St
Carlsbad, NM 88220**

**575.234.5706 - Direct
575.499.6831 - Mobile**

stucker@blm.gov

From: Kurt Shipley <kshipley@novoog.com>

Sent: Monday, March 28, 2022 3:32 PM

To: Mike Bratcher (mike.bratcher@state.nm.us) <mike.bratcher@state.nm.us>; Bryan Haney (bryan.haney@altamira-us.com) <bryan.haney@altamira-us.com>; CFO_Spill, BLM_NM <BLM_NM_CFO_Spill@blm.gov>

Subject: [EXTERNAL] Spill Report - Initial 24 Hour

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

This is an email follow-up to our 24 hour initial spill notification. We had a pipeline leak at 6:30am on 3-28-2022 on federal land. I called the BLM Spill Hotline and left a message at 4:10pm on 3/27/2022 and I called the NMOCD Spill Hotline but the voicemail was full. I called the NMOCD Artesia Office and left a notification message with Laura Polk at 4:47pm on 3-28-2022.

We are now preparing our formal report.

I have included the initial reports, the location and some photos.

Kurt A. Shipley

Chief Operating Officer

Novo Oil & Gas, LLC

1001 West Wilshire Blvd, Suite 206

Oklahoma City, OK 73116

www.novoog.com



From: [Bryan Haney](#)
To: [Tucker, Shelly J](#)
Cc: [Kurt Shipley](#); jasonwhawley@gmail.com
Subject: FW: nAPP2209041864 - 48-Hour Notification of Assessment Activities - Novo Hades North Loop Produced Water Release
Date: Tuesday, April 19, 2022 12:38:00 PM
Attachments: [image001.png](#)
[Scope of Work Detail - Soil Assessment - NOVO Prod Water Release.pdf](#)
[Proposed Soil Boring Location Map 4-12-2022.pdf](#)

Hi Shelly,

I know I sent you our work plan and proposed soil boring locations, but wanted to ensure we followed up with the appropriate 48-hour notification regarding the Soil Assessment activities plan for April 25-27th. We will install approximately 25 soil borings for vertical and lateral delineation of what appears to be mainly chlorides. Following soil boring installation, boreholes will be properly plugged. It looks like most of this work will occur within the ROW/Easement.

We will have an air rotary drill rig and support trucks onsite to conduct this work.

Please let me know if you need any further information regarding this soil assessment.

Thanks for your help,

Bryan

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com



From: Bryan Haney
Sent: Tuesday, April 19, 2022 12:30 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Cc: Kurt Shipley <kshipley@novooog.com>; jasonwhawley@gmail.com
Subject: nAPP2209041864 - 48-Hour Notification of Assessment Activities - Novo Hades North Loop Produced Water Release

Novo Oil & Gas is providing the 48-hour notification of field assessment activities for the above site. We will be conducting the assessment starting April 25-27th.

Scope of work will be installation of approximately 25 soil borings to 15 feet and collection of soil samples for analysis of chlorides, BTEX, and TPH.

Necessary permits have been obtained from the OSE and Shelly Tucker with the BLM will also be notified.

Thanks for your help and please let us know if you need any further information,

Bryan

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com



From: [Hamlet, Robert, EMNRD](#)
To: [Bryan Haney](#)
Cc: [Kurt Shipley](#); jasonwhawley@gmail.com; [Bratcher, Mike, EMNRD](#); [Nobui, Jennifer, EMNRD](#)
Subject: RE: [EXTERNAL] nAPP2209041864 - 48-Hour Notification of Assessment Activities - Novo Hades North Loop Produced Water Release
Date: Wednesday, April 20, 2022 10:18:45 AM
Attachments: [image003.png](#)

Bryan,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Bryan Haney <Bryan.Haney@Altamira-US.com>
Sent: Tuesday, April 19, 2022 11:30 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Cc: Kurt Shipley <kshipley@novoog.com>; jasonwhawley@gmail.com
Subject: [EXTERNAL] nAPP2209041864 - 48-Hour Notification of Assessment Activities - Novo Hades North Loop Produced Water Release

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Novo Oil & Gas is providing the 48-hour notification of field assessment activities for the above site. We will be conducting the assessment starting April 25-27th.

Scope of work will be installation of approximately 25 soil borings to 15 feet and collection of soil samples for analysis of chlorides, BTEX, and TPH.

Necessary permits have been obtained from the OSE and Shelly Tucker with the BLM will also be notified.

Thanks for your help and please let us know if you need any further information,

Bryan

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com



From: [Hamlet, Robert, EMNRD](#)
To: [Bryan Haney](#)
Cc: [Bratcher, Mike, EMNRD](#); [Nobui, Jennifer, EMNRD](#); [Harimon, Jocelyn, EMNRD](#)
Subject: (Extension Approval) Request for Time Extension for Submittal of Assessment and Proposed Remediation Report - NOVO Hades - nAPP2209041864
Date: Friday, June 3, 2022 10:53:03 AM
Attachments: [image003.png](#)

RE: Incident #NAPP2209041864

Bryan,

Your request for an extension to **July 26th, 2022** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Bryan Haney <Bryan.Haney@Altamira-US.com>
Sent: Friday, June 3, 2022 8:54 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Subject: RE: [EXTERNAL] Request for Time Extension for Submittal of Assessment and Proposed Remediation Report - NOVO Hades - nAPP2209041864

I think 30 days would be fine. I plan to have you a report by the end of June.

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com



From: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Sent: Friday, June 3, 2022 9:53 AM

To: Bryan Haney <Bryan.Haney@Altamira-US.com>

Subject: RE: [EXTERNAL] Request for Time Extension for Submittal of Assessment and Proposed Remediation Report - NOVO Hades - nAPP2209041864

Bryan,

How long of an extension are you requesting? 30 days?

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Bryan Haney <Bryan.Haney@Altamira-US.com>

Sent: Friday, June 3, 2022 7:18 AM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Tucker, Shelly J <stucker@blm.gov>

Subject: [EXTERNAL] Request for Time Extension for Submittal of Assessment and Proposed Remediation Report - NOVO Hades - nAPP2209041864

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Rob,

Novo would like to request an extension of time for submittal of our final assessment and proposed remediation plan. We made an attempt at initial remediation, but further remediation will be necessary. We have also recently completed soil assessment activities. We can have you a report by the end of June that outlines our assessment, remediation efforts to date, and proposed remediation moving forward.

Thank you,

Bryan

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com



APPENDIX B
Permits

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 723858
File Nbr: C 04609

Apr. 15, 2022

BRYAN HANEY
ALTAMIRA-US LLC
14229 PUNTA BONAIRE
CORPUS CHRISTI, TX 78418

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

- * If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.
- * If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
- * The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.
- * This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Azucena Ramirez".

Azucena Ramirez
(575) 622-6521

Enclosure

explore

File No. C-4609 POD1

NEW MEXICO OFFICE OF THE STATE ENGINEER



WR-07 APPLICATION FOR PERMIT TO DRILL

A WELL WITH NO WATER RIGHT



(check applicable box):

For fees, see State Engineer website: <http://www.ose.state.nm.us/>

Purpose:	<input type="checkbox"/> Pollution Control And/Or Recovery	<input type="checkbox"/> Ground Source Heat Pump
<input type="checkbox"/> Exploratory Well (Pump test)	<input type="checkbox"/> Construction Site/Public Works Dewatering	<input checked="" type="checkbox"/> Other(Describe): Environmental Soil Boring
<input type="checkbox"/> Monitoring Well	<input type="checkbox"/> Mine Dewatering	

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.

<input checked="" type="checkbox"/> Temporary Request - Requested Start Date: 4/26/2022	Requested End Date: 4/30/2022
---	-------------------------------

Plugging Plan of Operations Submitted? ☒ Yes ☐ No

1. APPLICANT(S)

Name: Novo Oil & Gas Northern Delaware, LLC	Name: Altamira-US, LLC
Contact or Agent: check here if Agent <input type="checkbox"/> Kurt Shipley	Contact or Agent: check here if Agent <input checked="" type="checkbox"/> Bryan Haney
Mailing Address: 1001 W. Wilshire Blvd., Suite 206	Mailing Address: 14229 Punta Bonaire
City: Oklahoma City	City: Corpus Christi
State: OK Zip Code: 73116	State: Texas Zip Code: 78418
Phone: 405-286-3916 <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell Phone (Work):	Phone: 361-658-3126 <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell Phone (Work):
E-mail (optional): kshipley@novoog.com	E-mail (optional): bryan.haney@altamira-us.com

FOR OSE INTERNAL USE		Application for Permit, Form WR-07, Rev 11/17/16	
File No.: C-4609	Tm. No.: 723858	Receipt No.: 24445	
Trans Description (optional): MON			
Sub-Basin: CUB		PCW/LOG Due Date: 4/15/23	

2. WELL(S) Describe the well(s) applicable to this application.

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), <u>or</u> Latitude/Longitude (Lat/Long - WGS84). District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.			
<input type="checkbox"/> NM State Plane (NAD83) (Feet) <input type="checkbox"/> NM West Zone <input type="checkbox"/> NM East Zone <input type="checkbox"/> NM Central Zone		<input type="checkbox"/> UTM (NAD83) (Meters) <input type="checkbox"/> Zone 12N <input type="checkbox"/> Zone 13N	
		<input checked="" type="checkbox"/> Lat/Long (WGS84) (to the nearest 1/10 th of second)	
Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (Quarters or Halves, Section, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
C-4609POD1 SB-1	32.3405953	-104.0455863	Twp: T23S, Rng: R28E, Sec: 1
NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions) Additional well descriptions are attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how many <u>NA</u>			
Other description relating well to common landmarks, streets, or other: From Highway 31 (Potash Mines Road) and Highway 605, travel northwest on Highway 605 approximately 1.4 miles. From Highway 605, turn north on dirt road into site area. Proceed north approximately 0.2 miles to location.			
Well is on land owned by: BLM (leased to Novo Oil & Gas)			
Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how many _____			
Approximate depth of well (feet): Boring (1) to 51 ft		Outside diameter of well casing (inches): 6-inch diam soil boring	
Driller Name: Envirotech Drilling Services		Driller License Number: NM-1757	

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

OSE OIT APR 14 2022 PM4:12

This permit is for the installation of an environmental soil boring for collection of soil samples associated with a release of produced water near the site area. Soil boring will be installed using an air rotary drilling rig. One soil boring will be installed to a depth of 51 feet below ground surface. Soil boring will be plugged following installation and soil sample collection. It is anticipated it will take approximately one hour to install the soil boring and plug back to the surface in accordance with the approved plugging plan.

FOR OSE INTERNAL USE

Application for Permit, Form WR-07

File No.: C-4609

Trm No.: 723858

Page 2 of 3

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

Exploratory: <input type="checkbox"/> Include a description of any proposed pump test, if applicable.	Pollution Control and/or Recovery: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for the pollution control or recovery operation. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The annual diversion amount. <input type="checkbox"/> The annual consumptive use amount. <input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation. <input type="checkbox"/> The method and place of discharge.	Construction De-Watering: <input type="checkbox"/> Include a description of the proposed dewatering operation, <input type="checkbox"/> The estimated duration of the operation, <input type="checkbox"/> The maximum amount of water to be diverted, <input type="checkbox"/> A description of the need for the dewatering operation, and, <input type="checkbox"/> A description of how the diverted water will be disposed of.	Mine De-Watering: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for mine dewatering. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The source(s) of the water to be diverted. <input type="checkbox"/> The geohydrologic characteristics of the aquifer(s). <input type="checkbox"/> The maximum amount of water to be diverted per annum. <input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation. <input type="checkbox"/> The quality of the water.
Monitoring: <input type="checkbox"/> Include the reason for the monitoring well, and, <input type="checkbox"/> The duration of the planned monitoring.	<input type="checkbox"/> The method of measurement of water produced and discharged. <input type="checkbox"/> The source of water to be injected. <input type="checkbox"/> The method of measurement of water injected. <input type="checkbox"/> The characteristics of the aquifer. <input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system. <input type="checkbox"/> Proof of any permit required from the New Mexico Environment Department. <input type="checkbox"/> An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	Ground Source Heat Pump: <input type="checkbox"/> Include a description of the geothermal heat exchange project, <input type="checkbox"/> The number of boreholes for the completed project and required depths. <input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and, <input type="checkbox"/> The duration of the project. <input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.	<input type="checkbox"/> The method of measurement of water diverted. <input type="checkbox"/> The recharge of water to the aquifer. <input type="checkbox"/> Description of the estimated area of hydrologic effect of the project. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. <input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights. <input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.

ACKNOWLEDGEMENT

I, We (name of applicant(s)), Kurt Shipley, Bryan Haney

Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.



Applicant Signature



Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:

☒ approved

☐ partially approved

☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 15th day of April 20 22, for the State Engineer,

Mike A. Hammen, P.E., State Engineer

OSE DT APR 14 2022 PM 4:12

By: K. Parekh
Signature

Kashyap Parekh
Print

Title: Water Resources Manager I
Print

FOR OSE INTERNAL USE

Application for Permit, Form WR-07

File No.: C-4609

Trm No.: 723858

Page 3 of 3

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL

- 17-16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- 17-1A Depth of the well shall not exceed the thickness of the valley fill.
- 17-4 No water shall be appropriated and beneficially used under this permit.
- 17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

Trn Desc: C 04609 POD1

File Number: C 04609

Trn Number: 723858

page: 1

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- 17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- 17-C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record.
The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- 17-P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.
- 17-Q The State Engineer retains jurisdiction over this permit.
- 17-R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.

Trn Desc: C 04609 POD1

File Number: C 04609

Trn Number: 723858

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG The Point of Diversion C 04609 POD1 must be completed and the Well Log filed on or before 04/15/2023.

IT IS THE PERMITTEE'S RESPONSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd:	Date Rcvd. Corrected:
Formal Application Rcvd: 04/14/2022	Pub. of Notice Ordered:
Date Returned - Correction:	Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 15 day of Apr A.D., 2022

Mike A. Hamman, P.E., State Engineer

By:

K. Parekh

KASHYAP PAREKH

Trn Desc: C 04609 POD1

File Number: C 04609

Trn Number: 723858



STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
ROSWELL

Mike A. Hamman, P.E.
State Engineer

DISTRICT II
1900 West Second St.
Roswell, New Mexico 88201
Phone: (575) 622-6521
Fax: (575) 623-8559

April 15, 2022

Novo Oil & Gas Northern Delaware LLC
1001 W. Wilshire Blvd., Suite 206
Oklahoma City, Oklahoma 73116

RE: Well Plugging Plan of Operations for C-4609-POD1

Greetings:


Enclosed is your copy of the Well Plugging Plan of Operations for the above referenced project. The proposed method of operation is found to be acceptable and in accordance with the Rules and Regulations Governing Well Driller Licensing; Construction, Repair and Plugging of Wells 19.27.4 NMAC adopted June 30, 2017 by the State Engineer.

- (1) Plugging operations shall also be conducted in accordance with NMED, NMOCD, or other State or Federal agencies having oversight for the above described project.*
- (2) Maximum 5.2 gallons water per 94 lb. sack Portland Cement PLUS 0.6 gallon per 1% increase in bentonite up to maximum 6% bentonite by dry weight ratio. Bentonite must be hydrated separately and then mixed.*
- (3) Any deviation from this plan must obtain an approved variance from this office prior to implementation.*

Within 30 days after the well is plugged, the well driller is required to file a complete plugging record with the OSE and the permit holder.

Form WD-08 has been updated. The correct and current form can be found on the OSE website at the following link [Well Drillers Forms - Water Rights Statewide Projects](#)

Sincerely,


Kashyap Parekh
Water Resources Manager I



WELL PLUGGING PLAN OF OPERATIONS



NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging. This form may be used to plug a single well, or if you are plugging multiple monitoring wells on the same site using the same plugging methodology.

Alert! Your well may be eligible to participate in the Aquifer Mapping Program (AMP)-NM Bureau of Geology geoinfo.nmt.edu/resources/water/cgmn/ if within an area of interest and meets the minimum construction requirements, such as there is still water in your well, and the well construction reflected in a well record and log is not compromised, contact AMP at 575-835-5038 or -6951, or by email umbg-waterlevels@nmt.edu, prior to completing this prior form. Showing proof to the OSE that your well was accepted in this program, may delay the plugging of your well until a later date.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP: ☐ Check here if proposing one plan for multiple monitoring wells on the same site and attaching WD-08m

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: SB-1 C-4609-POPI
Name of well owner: Novo Oil & Gas Northern Delaware, LLC
Mailing address: 1001 W. Wilshire Blvd., Suite 206 County: Oklahoma
City: Oklahoma City State: OK Zip code: 73116
Phone number: 405-286-3916 E-mail: kshipley@novooil.com

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: Envirotech Drilling Services
New Mexico Well Driller License No.: NM-1757 Expiration Date: 1/31/2024

IV. WELL INFORMATION: ☐ Check here if this plan describes method for plugging multiple monitoring wells on the same site and attach supplemental form WD-08m and skip to #2 in this section.

Note: A copy of the existing Well Record for the well(s) to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: 32 deg, 20 min, 26.14 sec
Longitude: 104 deg, 02 min, 44.11 sec, NAD 83

2) Reason(s) for plugging well(s):

The point was an environmental soil boring. No wells or well materials were installed.

3) Was well used for any type of monitoring program? No If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? NA If yes, provide additional detail, including analytical results and/or laboratory report(s): NA

5) Static water level: NA feet below land surface / feet above land surface (circle one)

6) Depth of the well: NA feet

- 7) Inside diameter of innermost casing: NA inches.
- 8) Casing material: NA
- 9) The well was constructed with:
☐ an open-hole production interval, state the open interval: NA
☐ a well screen or perforated pipe, state the screened interval(s): NA
- 10) What annular interval surrounding the artesian casing of this well is cement-grouted? _____
- 11) Was the well built with surface casing? NA If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? NA If yes, please describe:
NA
- 12) Has all pumping equipment and associated piping been removed from the well? NA If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

V. DESCRIPTION OF PLANNED WELL PLUGGING: ☐ If plugging method differs between multiple wells on same site, a separate form must be completed for each method.

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal. Attach a copy of any signed OSE variance to this plugging plan.

Also, if this planned plugging plan requires a variance to 19.27.4 NMAC, attach a detailed variance request signed by the applicant.

- 1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well:
Grout will be pumped into the borehole via a tremie pipe from the bottom to the top.
- 2) Will well head be cut-off below land surface after plugging? NA

OSE DIT APR 14 2022 PM 4:10

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant. Attach a copy of the batch mix recipe from the cement company and/or product description for specialty cement mixes or any sealant that deviates from the list of OSE approved sealants.

- 1) For plugging intervals that employ cement grout, complete and attach Table A.
- 2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.
- 3) Theoretical volume of grout required to plug the well to land surface: 10 CF or 74 Gallons
- 4) Type of Cement proposed: Portland Cement w/5% Bentonite Grout
- 5) Proposed cement grout mix: 6 gallons of water per 94 pound sack of Portland cement.
- 6) Will the grout be: _____ batch-mixed and delivered to the site
x mixed on site

- 7) Grout additives requested, and percent by dry weight relative to cement:

NA

- 8) Additional notes and calculations:

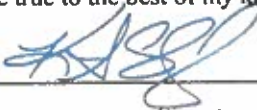
NA

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

NA

VIII. SIGNATURE:

I, Kurt Shipley, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.



Signature of Applicant

4.13.2022

Date

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

☒ Approved subject to the attached conditions.
☐ Not approved for the reasons provided on the attached letter.

OSE GOT APR 14 2022 DM4113

Witness my hand and official seal this

15th

day of

April

2022

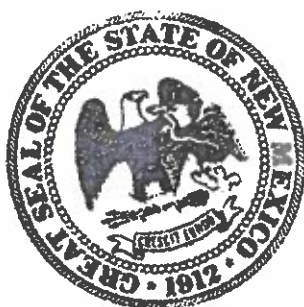
Mike A. Plamman

John R. D'Antonio Jr. P.E., New Mexico State Engineer

By:

K. Parekh

KASHYAP PAREKH
W.R.M.I



WD-08 Well Plugging Plan
Version: July 31, 2019
Page 3 of 5

TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)	0		
Bottom of proposed interval of grout placement (ft bgl)	51		
Theoretical volume of grout required per interval (gallons)	47		
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement	6		
Mixed on-site or batch-mixed and delivered?	on-site		
Grout additive 1 requested	5% Bentonite Grout		
Additive 1 percent by dry weight relative to cement			
Grout additive 2 requested			
Additive 2 percent by dry weight relative to cement			

TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)			
Bottom of proposed sealant or grout placement (ft bgl)			
Theoretical volume of sealant required per interval (gallons)			
Proposed abandonment sealant (manufacturer and trade name)			

USE ON APR 14 2022 04:13



APPENDIX C
Photographic Documentation

Appendix C - Photograph Log
Hades North Loop - Produced Water Release
Incident ID: nAPP2209041864



View south near point of release at wet soil area



View south at point of release near header

Appendix C - Photograph Log
Hades North Loop - Produced Water Release
Incident ID: nAPP2209041864



View of point of release – rupture in poly pipe



View south at produced water area following release

Appendix C - Photograph Log
Hades North Loop - Produced Water Release
Incident ID: nAPP2209041864



View southwest at standing water near soil boring locations SB-21, SB-22 and SB-23



View east at vacuum truck located onsite

Appendix C - Photograph Log
Hades North Loop - Produced Water Release
Incident ID: nAPP2209041864



View north towards point of release header at excavated soil area and stockpile



View south at initial excavated and graded area following release

Appendix C - Photograph Log
Hades North Loop - Produced Water Release
Incident ID: nAPP2209041864



View south at initial excavated area



View north at initial excavated soil near point of release area

Appendix C - Photograph Log
Hades North Loop - Produced Water Release
Incident ID: nAPP2209041864



View north at soil boring location SB-5



View of typical soil returns during drilling

Appendix C - Photograph Log
Hades North Loop - Produced Water Release
Incident ID: nAPP2209041864



View at soil boring location SB-11 (51-foot boring)



View north at soil boring location SB-1 near point of release area

Appendix C - Photograph Log
Hades North Loop - Produced Water Release
Incident ID: nAPP2209041864



View of bentonite grout and capping soil boring at surface with concrete



APPENDIX D
Soil Boring Logs

BORING RECORD

GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	QVW READING	RECOVERY	DEPTH	
		N 32,34031 W - 104.04586							
	0	GROUND SURFACE:							
		(0-9.75) Reddish brown fine sand & silt trace caliche fragments throughout loose dry			0-3		X		0
					0-3		X		
					0-3		X		
					0-3		X		
	5				0-3		X		5
		(7.75-15) Loose fine sand with intermittent cemented lenses Intermittent soft caliche lenses			0-3		X		
					0-3		X		
					0-3		X		
					0-3		X		
	15	TD-15' BGS			0-3		X		15
		Sample then							
		0-1 0838							
		1-2 0839							
		2-3 0840							
	20	3-4 0841							20
		5-6 0844							
		7-8 0845							
		9-10 0846							
	25	11-12 0846							25
		14-15 0849							
	30								30
	35								35

 CME CONTINUOUS AUGER SAMPLER

 STANDARD PENETRATION TEST

 UNDISTURBED SAMPLE

 WATER TABLE (24 HOURS)

 WATER TABLE (TIME OF BORING)

 LABORATORY TEST LOCATION

 PENETROMETER (TONS/SQ. FT.)

NR: NO RECOVERY

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

SB-1

DATE DRILLED:

4/26/2022

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY: Envirotech Drilling

LOGGED BY:

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BORING RECORD

GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	QVM READING	RECOVERY	DEPTH	
		N 32.34001 W - 104.04601							BACKGROUND QVM READING: SOIL: 0.0 PPM NR: 0.0 PPM
	0	GROUND SURFACE:							
	0-1	(1-8.5) 100% Red sandy silt dry			0.0		X		
	1-2				0.0		X		
	2-3				0.0		X		
	3-4				0.0		X		
	5				0.0		X		
	5-6				0.0		X		
	7-8	(8.5-14.5) TAN 100% sand & silt			0.0		X		
	9-10	some calciche Dry NO odor			0.0		X		
	11-12	some calciche pebbles up to 0.25"			0.0		X		
	14-15	completed depth of Boring 14.5' 865			0.0		X		
	15	TD = 15 BGS							
	20	0-1 0909							
		1-2 0910							
		2-3 0911							
		3-4 0912							
		5-6 0913							
		7-8 0914							
	25	9-10 0915							
		11-12 0914							
		14-15 0923							
	30								
	35								

 CME CONTINUOUS AUGER SAMPLER

 STANDARD PENETRATION TEST


 UNDISTURBED SAMPLE

 WATER TABLE (24 HOURS)

 WATER TABLE (TIME OF BORING)

 LABORATORY TEST LOCATION

 PENETROMETER (TONS/SQ. FT.)

 NR: NO RECOVERY


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PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

SB-2

DATE DRILLED:

4/25/2022

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY: Envirotech Drilling

LOGGED BY:

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BORING RECORD


GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	QVM READING	RECOVERY	DEPTH	
		N 32.33983 W -104.04615							BACKGROUND QVM READING: SOIL: 0.0 PPM AIR: 0.0 PPM
	0	GROUND SURFACE: 09.71 Red. Sand loose true soft true calcareous pebbles				00	X		0
						00	X		
						00	X		
						00	X		
	5					00	X		5
						00	X		
	10	(9.75-15) calichee loose true fine sand some calcareous pebbles up to 0.25"				00	X		10
						00	X		
	15	- TD - 15' BGS				00	X		15
		0-1 0941							
		1-2 0942							
		2-3 0943							
		3-4 0945							
	20	5-6 0947							20
		7-8 0948							
		9-10 0949							
		11-12 0951							
	25	14-15 0952							25
	30								30
	35								35

 CME CONTINUOUS AUGER SAMPLER

 STANDARD PENETRATION TEST

 UNDISTURBED SAMPLE

 WATER TABLE (24 HOURS)

 WATER TABLE (TIME OF BORING)

 LABORATORY TEST LOCATION

 PENETROMETER (TONS/SQ. FT.)

NR: NO RECOVERY

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

SB-3

DATE DRILLED:

4/25/2022

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY: Envirotech Drilling

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BORING RECORD

GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	QVM READING	RECOVERY	DEPTH	
		N 32.33958 W - 104.04628							BACKGROUND QVM READING: SOIL: 0.0 PPM AIR: 0.0 PPM
	0	GROUND SURFACE:							
		(0-10.5) Silty Fine sand Dry							
		Hand							
	5								
	10	(10.5-15)							
		Caliche & fine sand							
		Some pebbles up to 0.25"							
	15	TD - 15' BGS							
		single tubes							
	20	0-1 1040							
		1-2 1041							
		2-3 1042							
		3-4 1043							
		5-6 1044							
		7-8 1045							
		9-10 1046							
		11-12 1050							
		14-15 1051							
	25								
	30								
	35								

 CME CONTINUOUS AUGER SAMPLER

 STANDARD PENETRATION TEST


 UNDISTURBED SAMPLE

 WATER TABLE (24 HOURS)

 WATER TABLE (TIME OF BORING)

 LABORATORY TEST LOCATION

 PENETROMETER (TONS/SQ. FT.)

 NR: NO RECOVERY

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

SB-4

DATE DRILLED:

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY: Envirotech Drilling

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BORING RECORD

GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	QVM READING	RECOVERY	DEPTH	
		N 32, 33929 W -104, 04628							BACKGROUND QVM READING: SOIL: 0.0 PPM AIR: 0.0 PPM
	0	GROUND SURFACE:							0
		(0-10.25) Reddish Brown silty fine sand loose dry			0.0		X		
					0.0		X		
					0.0		X		
					0.0		X		
	5				0.0		X		5
					0.0		X		
	10	(10.25-15) TAN fine sand some calcareous trace silt loose dry			0.0		X		10
					0.0		X		
	15	TD-15' BGS			0.0		X		15
		0-1 1113							
		1-2 1114							
		2-3 1115							
		3-4 1116							
	20	5-6 1118							20
		7-8 1120							
		9-10 1121							
		11-12 1122							
	25	14-15 1124							25
	30								30
	35								35

 CME CONTINUOUS AUGER SAMPLER

 STANDARD PENETRATION TEST


 UNDISTURBED SAMPLE

 WATER TABLE (24 HOURS)

 WATER TABLE (TIME OF BORING)

 LABORATORY TEST LOCATION

 PENETROMETER (TONS/SQ. FT.)

 NR: NO RECOVERY

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

SB-5

DATE DRILLED:

7/25/2022

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY: Envirotech Drilling

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BORING RECORD

GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	QVM READING	RECOVERY	DEPTH	
		N 32.33902 W -104.04637							BACKGROUND QVM READING: SOIL: 22 PPM AIR: 00 PPM
	0	GROUND SURFACE: 10-12.75 Reddish Brown fine sand & 8.75 Dry Hard 10050				00		X	0
						00		X	
						00		X	
						50		X	
	5					00		X	5
						00		X	
	10					00		X	10
						00		X	
	15	(12.75 -15) Tan fine sand & caliche some caliche pebbles up to 0.25" loose dry TD-15-BGS				00		X	15
		0-1 1159 sample (tan)							
		1-2 1200							
		2-3 1201							
		3-4 1202							
	20	5-6 1204							20
		7-8 1205							
		9-10 1206							
		11-12 1209							
	25	14-15 1210							25
	30								30
	35								35



CME CONTINUOUS AUGER SAMPLER



STANDARD PENETRATION TEST



UNDISTURBED SAMPLE



WATER TABLE (24 HOURS)



WATER TABLE (TIME OF BORING)



LABORATORY TEST LOCATION



PENETROMETER (TONS/SQ. FT.)



NR: NO RECOVERY

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

3B-6

DATE DRILLED:

4/25/2022

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY: Envirotech Drilling

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M. L. B. 10/20/22

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BORING RECORD

GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	OVM READING	RECOVERY	DEPTH	
		N 32.33869 W -104.04633							
	0	GROUND SURFACE:							
	0	00-12.75 reddish brown silty fine sand dry loose some caliche fragments			00		X		0
					00		X		
					00		X		
					00		X		
	5				00		X		5
					00		X		
	10				00		X		10
					00		X		
	15	(12.75 - 15) fine sand + caliche Dry loose 0.25" caliche pebbles TD - 15' BGS Sample done			00		X		15
		0-1 1301							
		2 1302							
	20	23 1303							20
		34 1304							
		5-6 1307							
		7-8 1308							
		9-10 1309							
	25	11-12 1313							25
		14-15 1314							
	30								30
	35								35

 CME CONTINUOUS AUGER SAMPLER


 STANDARD PENETRATION TEST


 UNDISTURBED SAMPLE

 WATER TABLE (24 HOURS)

 WATER TABLE (TIME OF BORING)

 LABORATORY TEST LOCATION

 PENETROMETER (TONS/SQ. FT.)

 NR: NO RECOVERY

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

SB-7

DATE DRILLED:

4/25/2022

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY: Envirotech Drilling

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BORING RECORD


GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	QVW READING	RECOVERY	DEPTH	
		N 32.33847 W -104.04632							BACKGROUND QVW READING: SOIL: 0.0 PPM AIR: 0.0 PPM
	0	GROUND SURFACE: (0-14.75) Beckley Brown fine sand & silt 100% Dry trace grass rootlets (0-0.5) Slight moist							0
	5								5
	10								10
	15	(14.75-15) TAN fine sand & silt 100% Dry TD-15' BGS Sample fines							15
	20	0-1 1342 1-2 1343 2-3 1344 3-4 1345 5-6 1351 7-8 1352 9-10 1353							20
	25	11-12 1358 14-15 1406							25
	30								30
	35								35


 CME CONTINUOUS AUGER SAMPLER

 STANDARD PENETRATION TEST


 UNDISTURBED SAMPLE

 WATER TABLE (24 HOURS)

 WATER TABLE (TIME OF BORING)

 LABORATORY TEST LOCATION

 PENETROMETER (TONS/SQ. FT.)

 NR: NO RECOVERY

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

SB-8

DATE DRILLED: 4/25/2022

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY: Envirotech Drilling

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BORING RECORD


GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	QVW READING	RECOVERY	DEPTH	
		N 32.33828 W -104.04655							BACKGROUND QVW READING: SOIL: 0.0 PPM AIR: 0.0 PPM
	0	GROUND SURFACE:							
		(0-13.5) Reddish Brown fine sand + 5% / + loose dry				00	X		0
						00	X		
						00	X		
						00	X		
	5					00	X		5
						00	X		
						00	X		
	10					00	X		10
						00	X		
		(13.5-15) TAN fine sand + calciche dry loose				00	X		
	15	TD 15 BGS				00	X		15
		sample times							
		0-1 1428							
		1-2 1429							
	20	2-3 1430							20
		3-4 1431							
		5-6 1434							
		7-8 1435							
	25	9-10 1436							25
		11-12 1452							
		14-15 1453							
	30								30
	35								35


 CME CONTINUOUS AUGER SAMPLER


 STANDARD PENETRATION TEST


 UNDISTURBED SAMPLE

 WATER TABLE (24 HOURS)

 WATER TABLE (TIME OF BORING)

 LABORATORY TEST LOCATION

 PENETROMETER (TONS/SQ. FT.)

 NR: NO RECOVERY

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

SB-9

DATE DRILLED:

4/25/2022

DRILLING METHOD:

Direct Push/Air Rotary

DRILLED BY:

Envirotech Drilling

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BORING RECORD									
GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	QVM READING	RECOVERY	DEPTH	
		N 32.33814 W -104.04674							
	0	GROUND SURFACE:							
	0	CO-1) TAN loose Sandy silt Dry			00		X		0
					00		X		
					00		X		
		(1-12.25) Reddish Brown Sandy silt Dry loose			00		X		
	5				00		X		5
					00		X		
	10				00		X		10
		(12.25-15) calciche with Red fine sand loose Dry			00		X		
	15				00		X		15
	20	TD - 15' BGS Sample times							20
		0-1 1523							
		1-2 1524							
		2-3 1525							
		3-4 1526							
	25	5-6 1527							25
		7-8 1530							
		9-10 1531							
		11-12 1540							
		14-15 1541							
	30								30
	35								35


 CME CONTINUOUS AUGER SAMPLER


 STANDARD PENETRATION TEST

 UNDISTURBED SAMPLE

 WATER TABLE (24 HOURS)

 WATER TABLE (TIME OF BORING)

 LABORATORY TEST LOCATION

 PENETROMETER (TONS/SQ. FT.)

 NR: NO RECOVERY

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

SB-10

DATE DRILLED:

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY: Envirotech Drilling

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BORING RECORD

GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	QRM READING	RECOVERY	DEPTH	
		N 32.34047 W -104.04576							BACKGROUND QRM READING: SOIL: 0.0 PPM AIR: 0.0 PPM
	0	GROUND SURFACE:							
		CO-6.5 Roddis Brown fine sand + silt Dry loose			0.0		X		0
					0.0		X		
					0.0		X		
					0.0		X		
	5	(6.5-12.5) Tan Fine sand + silt Intermittent pea gravel pebbles <0.25" Dry			0.0		X		5
					0.0		X		
	10				0.0		X		10
		(12.25-35) Loose fine sand with caliche light tan Dry soil harder more compacted with depth			0.0		X		
	15				0.0		X		15
		(35-48) caliche + fine sand DRY trace silt loose			0.0		X		20
	20				0.0		X		
		(48-51) Greenish Brown clay med plasticity moist, Groundwater not encountered at 51'			0.0		X		25
	25	TD=51' BGS Sample fine			0.0		X		
		0-1 0926			0.0		X		30
		1-2 0927			0.0		X		
		2-3 0928			0.0		X		
		3-4 0929			0.0		X		
	30	5-6 0932			0.0		X		30
		7-8 0933			0.0		X		
		9-10 0934			0.0		X		
		11-12 0936			0.0		X		
		14-15 0937			0.0		X		
	35	19-20 0952			0.0		X		35



CME CONTINUOUS AUGER SAMPLER



STANDARD PENETRATION TEST



UNDISTURBED SAMPLE



WATER TABLE (24 HOURS)



WATER TABLE (TIME OF BORING)



LABORATORY TEST LOCATION



PENETROMETER (TONS/SQ. FT.)



NR: NO RECOVERY

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

SB-11

DATE DRILLED:

4/26/2022

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY: Envirotech Drilling

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







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BORING RECORD								
GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE			REMARKS
					NUMBER	QVM READING	RECOVERY	
		N 32.34047 W -104.04576						BACKGROUND QVM READING: SOIL: <u>0.0</u> PPM AIR: <u>0.0</u> PPM
	35	GROUND SURFACE:						35
	45				0.0	X		45
	50	TD = 51' BGS NO WATER OBSERVED			0.0	X		50
	55							55
	20							20
	25							25
	30							30
	35							35

 CME CONTINUOUS AUGER SAMPLER  STANDARD PENETRATION TEST  UNDISTURBED SAMPLE  WATER TABLE (24 HOURS)	 WATER TABLE (TIME OF BORING)  LABORATORY TEST LOCATION  PENETROMETER (TONS/SQ. FT.)  NR: NO RECOVERY	PROJECT NAME Novo Oil & Gas - Hades North Loop Produced Water Release PROJECT NUMBER NVONM2202 BORING NUMBER SB-11
 ALTAMIRA 3700 West Robinson St., Suite 200 • Norman, Oklahoma 73072 • 405-701-5058 www.altamira-us.com		DATE DRILLED: 4/26/2022 DRILLING METHOD: Direct Push/Air Rotary Rotary DRILLED BY: Envirocore Drilling LOGGED BY: OG CHECKED BY: _____ DRAWING NO.: _____ DRAWN BY: _____ PAGE 2 OF 2

BORING RECORD

GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	QV READING	RECOVERY	DEPTH	
		N 32.34 028 W -104.04597							BACKGROUND QV READING: SOIL: 0.0 PPM AIR: 0.0 PPM
	0	GROUND SURFACE:							
	0	(0-15') A. delish Brown fine sand + silty Pebbles Dry loose some calciche interspersed throughout				00	X		0
	0					00	X		
	0					00	X		
	0					00	X		
	5					00	X		5
	5					00	X		
	10					00	X		10
	10					00	X		
	15					00	X		15
	15	TD - 15' BGS				00	X		
	20	Sample times							20
	20	0-1 1329							
	20	1-2 1330							
	20	2-3 1331							
	20	3-4 1332							
	20	5-6 1334							
	25	7-8 1335							25
	25	7-10 1336							
	25	11-12 1351							
	25	14-15 1352							
	30								30
	35								35



CME CONTINUOUS AUGER SAMPLER



STANDARD PENETRATION TEST



UNDISTURBED SAMPLE



WATER TABLE (24 HOURS)



WATER TABLE (TIME OF BORING)



LABORATORY TEST LOCATION



PENETROMETER (TONS/SQ. FT.)



NR: NO RECOVERY

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

SB-12

DATE DRILLED:

4/26/2022

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY: Envirotech Drilling

LOGGED BY:

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CHECKED BY:

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BORING RECORD


GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	QVM READING	RECOVERY	DEPTH	
		N 32.34013 W -104.04587							BACKGROUND QVM READING: SOIL: 0.0 PPM AIR: 0.0 PPM
	0	GROUND SURFACE:							
	0	(0-0.5) Reddish Brown fine sand & silt loose			00		X		0
		(0.5-1.5) Reddish Brown fine sand & silt slightly moist			00		X		
					00		X		
					00		X		
	5				00		X		5
					00		X		
		(8.5-15') caliche & reddish brown fine sand & silt dry loose			00		X		
	10				00		X		10
					00		X		
	15				00		X		15
	20	TD = 15' BGS Sample tags							20
		0-1 1244							
		1-2 1245							
		2-3 1246							
		3-4 1247							
	25	5-6 1249							25
		7-8 1250							
		9-10 1251							
		11-12 1307							
		14-15 1308							
	30								30
	35								35


 CME CONTINUOUS AUGER SAMPLER

 STANDARD PENETRATION TEST


 UNDISTURBED SAMPLE

 WATER TABLE (24 HOURS)

 WATER TABLE (TIME OF BORING)

 LABORATORY TEST LOCATION

 PENETROMETER (TONS/SQ. FT.)

 NR: NO RECOVERY

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

SB-13

DATE DRILLED:

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY: Envirotech Drilling

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BORING RECORD

GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	QVM READING	RECOVERY	DEPTH	
		N 32.33979 W -104.04602							BACKGROUND QVM READING: SOIL: 0.0 PPM AIR: 0.0 PPM
	0	GROUND SURFACE: (0-9.25) Brown fine sand & silt Dry loose							0
	5								5
	10	(9.25-12.75) TAN fine sand & silt small Intermittent caliche pebbles <0.25"							10
	15	(12.75-15) Caliche white Dry loose True fine sand caliche pebbles ~0.25" throughout							15
	20	T.D. = 15' BGS							20
		Sample times							
		0-1 1443							
		1-2 1444							
		2-3 1445							
		3-4 1446							
		5-6 1449							
	25	7-8 1450							25
		7-10 1451							
		11-12 1454							
		14-15 1455							
	30								30
	35								35



CME CONTINUOUS AUGER SAMPLER



STANDARD PENETRATION TEST



UNDISTURBED SAMPLE



WATER TABLE (24 HOURS)



WATER TABLE (TIME OF BORING)



LABORATORY TEST LOCATION



PENETROMETER (TONS/SQ. FT.)



NR: NO RECOVERY



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PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

3B-14

DATE DRILLED:

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY:

Envirotech Drilling

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PAGE 1 OF 1

BORING RECORD

GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	OWN READING	RECOVERY	DEPTH	
		N 32.33989 W - 104.04629							BACKGROUND OVM READING: SOIL: 00 PPM AIR: 00 PPM
	0	GROUND SURFACE:							
		(0-12) Reddish Brown fine sand & silt Dry loose intermittent caliche fragments			00		X	0	
					00		X		
					00		X		
					00		X		
	5				00		X	5	
					00		X		
	10				00		X	10	
		(12-15) caliche & fine reddish Brown sand Dry loose			00		X		
	15				00		X	15	
	20	TD-15' BGS sample times						20	
		0-1 1414							
		1-2 1415							
		2-3 1416							
	25	3-4 1417						25	
		5-6 1421							
		7-8 1422							
		9-10 1423							
	30	11-12 1435						30	
		14-15 1436							
	35							35	



CME CONTINUOUS AUGER SAMPLER



STANDARD PENETRATION TEST



UNDISTURBED SAMPLE



WATER TABLE (24 HOURS)



WATER TABLE (TIME OF BORING)



LABORATORY TEST LOCATION



PENETROMETER (TONS/SQ. FT.)



NR: NO RECOVERY

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

SB-15

DATE DRILLED:

4/26/2022

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY: Envirotech Drilling

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






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BORING RECORD									
GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	QV READING	RECOVERY	DEPTH	
		N 32.33921 W -104.04644							
	0	GROUND SURFACE:							
	0	(0-6) Reddish brown fine sand & silt loose dry			00		X		0
	5	(6.25-11.75) Reddish Brown fine sand & silt dry Hard compacted lens			00		X		5
	10	(11.75-15) fine sand & calciche dry loose some calciche pebbles 0.25-0.5"			00		X		10
	15	TD = 15' BGS			00		X		15
	20	Sample times 0-1 0831 1-2 0832 2-3 0833 3-4 0834 5-6 0836 7-8 0837 9-10 0838 11-12 0841 14-15 0842							20
	25								25
	30								30
	35								35

 CME CONTINUOUS AUGER SAMPLER
 STANDARD PENETRATION TEST
 UNDISTURBED SAMPLE
 WATER TABLE (24 HOURS)

 WATER TABLE (TIME OF BORING)
 LABORATORY TEST LOCATION
 PENETROMETER (TONS/SQ. FT.)
 NR: NO RECOVERY



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PROJECT NAME
NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER
NVONM2202

BORING NUMBER
SB-16

DATE DRILLED: 4/27/2022
DRILLING METHOD: Direct Push/Air Rotary
DRILLED BY: Envirotech Drilling

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BORING RECORD

GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE			REMARKS
					NUMBER	QVW READING	RECOVERY	
		N 32.33931 W -104.04617						BACKGROUND QVW READING: SOIL: 0.0 PPM AIR: 0.0 PPM
	0	GROUND SURFACE: (0-7.5) Red Brown fine sand & silt loose dry			0.0		X	0
					0.0		X	
					0.0		X	
					0.0		X	
	5				0.0		X	5
		(7.5-9.5) Dry compacted fine sand & silt some caliche 20-25' Reddish Brown			0.0		X	
	10	(9.5-12.25) Dry loose Reddish Brown fine sand & silt			0.0		X	10
					0.0		X	
	15	(12.25-15) Dry loose Reddish Brown fine sand & white caliche			0.0		X	15
					0.0		X	
	20	TD-15' BGS						20
		6-1 1414						
		12 1415						
		2-3 1416						
		3-4 1417						
	25	5-6 1420						25
		7-8 1421						
		9-10 1422						
		11-12 1425						
	30	1415 1427						30
	35							35



CME CONTINUOUS AUGER SAMPLER



STANDARD PENETRATION TEST



UNDISTURBED SAMPLE



WATER TABLE (24 HOURS)



WATER TABLE (TIME OF BORING)



LABORATORY TEST LOCATION



PENETROMETER (TONS/SQ. FT.)



NR: NO RECOVERY



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PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

5B-17

DATE DRILLED:

4/27/2022

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY: Envirotech Drilling

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BORING RECORD

GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE			REMARKS
					NUMBER	QVM READING	RECOVERY	
		N 32.33866 W - 104.04629						BACKGROUND QVM READING: SOIL: 0.0 PPM AIR: 0.0 PPM
	0	GROUND SURFACE: (0-1) Reddish Brown fine sand & silt + Dry loose (1-12) Reddish Brown fine sand & silt compacted easily crumbles						
	5							
	10	(12-15) white calcareous loose Dry some pebbles 10-25"						
	15	TD = 15' 8"						
	20	Sample fines 0-1 1333 1-2 1334 2-3 1335 3-4 1336 5-6 1338 7-8 1339 9-10 1340 11-12 14-15						
	25							
	30							
	35							


 CME CONTINUOUS AUGER SAMPLER


 STANDARD PENETRATION TEST


 UNDISTURBED SAMPLE

 WATER TABLE (24 HOURS)

 WATER TABLE (TIME OF BORING)

 LABORATORY TEST LOCATION

 PENETROMETER (TONS/SQ. FT.)

 NR: NO RECOVERY

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

JB-18

DATE DRILLED:

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY:

Envirotech Drilling

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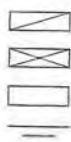
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BORING RECORD

GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	QVM READING	RECOVERY	DEPTH	
		N 32.33871 W -104.04643							BACKGROUND QVM READING: SOIL: 0.0 PPM AIR: 0.0 PPM
	0	GROUND SURFACE: (0-15) Reddish Brown silty fine sand Dry 10050				0.0	X		0
						0.0	X		
						0.0	X		
						0.0	X		
	5					0.0	X		5
						0.0	X		
						0.0	X		
	10					0.0	X		10
						0.0	X		
						0.0	X		
	15	(13.75-15) White calcareous loose dry trace fine sand well cemented 0.5" pebbles TD - 15' BGS Sample fines 0-1 1640 1-2 1641 2-3 1642 3-4 1643 5-6 1649 7-8 1650 9-10 1651 11-12 1654 14-15 1655				0.0	X		15
	20								20
	25								25
	30								30
	35								35



CME CONTINUOUS AUGER SAMPLER

STANDARD PENETRATION TEST

UNDISTURBED SAMPLE

WATER TABLE (24 HOURS)



WATER TABLE (TIME OF BORING)

LABORATORY TEST LOCATION

PENETROMETER (TONS/SQ. FT.)

NR: NO RECOVERY

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

SB-19

DATE DRILLED:

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY:

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BORING RECORD

GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE			REMARKS
					NUMBER	OWN READING	RECOVERY	
		N 32.33825 W - 104.04626						BACKGROUND OWN READING: SOIL: 0.0 PPM AIR: 0.0 PPM
	0	GROUND SURFACE:						
	0 - 2	Reddish Brown fine sand & silt moist grass roots			0.0	X		0
	2 - 8.5	Reddish Brown fine sand Dry compacted easily crumbles			0.0	X		
	5				0.0	X		5
	8.5 - 9.75	Tan fine sand & silt loose dry			0.0	X		
	10	9.75 - 15' caliche & tan fine sand dry loose some caliche pebbles 20-25"			0.0	X		10
	15	TD = 15' BGS			0.0	X		15
	20	sample times 0-1 1222 1-2 1223 2-3 1224 3-4 1225 5-6 1228 7-8 1229 9-10 1230 11-12 1233 14-15 1234						20
	25							25
	30							30
	35							35



CME CONTINUOUS AUGER SAMPLER



STANDARD PENETRATION TEST



UNDISTURBED SAMPLE



WATER TABLE (24 HOURS)



WATER TABLE (TIME OF BORING)



LABORATORY TEST LOCATION



PENETROMETER (TONS/SQ. FT.)



NR: NO RECOVERY

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

SB-20

DATE DRILLED:

4/27/2022

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY: Envirotech Drilling

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BORING RECORD


GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	QVM READING	RECOVERY	DEPTH	
		N 32.33851 W -104.04672							BACKGROUND QVM READING: SOIL: 0.0 PPM AIR: 0.0 PPM
	0	GROUND SURFACE:							
	0-2'	moist reddish brown fine sand + silt low plasticity			00		X		0
	2-14.5'	Dry Hard Reddish brown silt & fine sand crumbles easily			00		X		
	5				00		X		5
	10				00		X		10
	15	(14.5 - 15) caliche trace fine sand 100% dry well cemented pebbles ~ 0.25"			00		X		15
	20	TD = 15' BGS Samples							20
	25	0-1 1036 1-2 1037 2-3 1038 3-4 1039 5-6 1043 7-8 1044 9-10 1048 11-12 1051 14-15 1052							25
	30								30
	35								35


 CME CONTINUOUS AUGER SAMPLER


 STANDARD PENETRATION TEST


 UNDISTURBED SAMPLE

 WATER TABLE (24 HOURS)

 WATER TABLE (TIME OF BORING)

 LABORATORY TEST LOCATION

 PENETROMETER (TONS/SQ. FT.)

 NR: NO RECOVERY

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

SB-21

DATE DRILLED:

4/27/2022

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY: Envirotech Drilling

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






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BORING RECORD








GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	OWM READING	RECOVERY	DEPTH	
		N 32.33872 W -104.04675							BACKGROUND OWM READING: SOIL: 0.0 PPM AIR: 0.0 PPM
	0	GROUND SURFACE: (0-2.75) Reddish Brown silt & fine sand moist & low plasticity				0.0	X		0
		(2.75-11.75) Reddish Brown silt & fine sand dry loose sand compacted lens				0.0	X		
	5					0.0	X		5
	10					0.0	X		10
		(11.75-15) Dry loose calciche some upto 0.25 pebbles of calciche trace fine sand				0.0	X		
	15	TD=15 BGS				0.0	X		15
	20								20
	25	0-1 0958 1-2 0959 2-3 1000 3-4 1001 5-6 1004 7-8 1005 9-10 1006 11-12 1011 14-15 1012							25
	30								30
	35								35


 CME CONTINUOUS AUGER SAMPLER  STANDARD PENETRATION TEST  UNDISTURBED SAMPLE  WATER TABLE (24 HOURS)	 WATER TABLE (TIME OF BORING)  LABORATORY TEST LOCATION  PENETROMETER (TONS/SQ. FT.)  NR: NO RECOVERY	PROJECT NAME NOVO Oil & Gas - Hades North Loop Produced Water Release PROJECT NUMBER NVONM2202 BORING NUMBER SB-22 DATE DRILLED: 4/17/2022 DRILLING METHOD: Direct Push/Air Rotary DRILLED BY: Envirotech Drilling LOGGED BY: 06 CHECKED BY: DRAWING NO.: PAGE 1 OF 1
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BORING RECORD								
GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE			REMARKS
					NUMBER	QVW READING	RECOVERY	DEPTH
		N 32.33879 W -104.04686						
	0	GROUND SURFACE:						
	0-3.75	Reddish Brown fine sand & silt moist low plasticity			0-0	X		0
	3.75-13.7	Reddish Brown fine sand & silt dry hard compacted lenses easily crumbles			0-0	X		
	5				0-0	X		5
	10				0-0	X		10
	13-14.5	Hard very well cemented caliche rock up to 1"			0-0	X		
	14.5-15	Dry loose caliche trace fine sand with pebbles up to 0.25"			0-0	X		15
	TD -15' BGS							20
	0-1	0919						
	1-2	0920						
	2-3	0921						
	3-4	0922						
	5-6	0925						25
	7-8	0926						
	9-10	0927						
	11-12	0933						
	14-15	0934						30

 CME CONTINUOUS AUGER SAMPLER  STANDARD PENETRATION TEST  UNDISTURBED SAMPLE  WATER TABLE (24 HOURS)	 WATER TABLE (TIME OF BORING)  LABORATORY TEST LOCATION  PENETROMETER (TONS/SQ. FT.) NR: NO RECOVERY	PROJECT NAME NOVO Oil & Gas - Hades North Loop Produced Water Release PROJECT NUMBER NVONM2202 BORING NUMBER SB-23
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DRILLING METHOD:	Direct Push/Air Rotary
DRILLED BY:	Envirotech Drilling
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BORING RECORD

GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	QVM READING	RECOVERY	DEPTH	
		N 32.33826 W -104.04672							BACKGROUND QVM READING: SOIL: 0.0 PPM AIR: 0.0 PPM
	0	GROUND SURFACE:							
		(0-1) Reddish Tan fine sand + silt loose dry			00		X		0
		(1-12) Reddish Brown silty fine sand Loose Dry			00		X		
					60		X		
					00		X		
	5				00		X		5
					60		X		
					00		X		
	10				00		X		10
		(12.5-15) white caliche Dry loose Some caliche pebbles ~ 0.25" Some fine sand			00		X		
	15				00		X		15
		T D 15' BGS sample time							
		0-1 1610							
	20	1-2 1611							20
		2-3 1612							
		3-4 1613							
		5-6 1615							
		7-8 1616							
	25	9-10 1618							25
		11-12 1622							
		14-15 1623							
	30								30
	35								35



CME CONTINUOUS AUGER SAMPLER



STANDARD PENETRATION TEST



UNDISTURBED SAMPLE



WATER TABLE (24 HOURS)



WATER TABLE (TIME OF BORING)



LABORATORY TEST LOCATION



PENETROMETER (TONS/SQ. FT.)



NR: NO RECOVERY



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3700 West Robinson St., Suite 200 • Norman, Oklahoma 73072 • 405-701-5058
www.altamira-us.com

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

SB-24

DATE DRILLED:

4/25/2022

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY: Envirotech Drilling

LOGGED BY:

CHECKED BY:

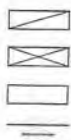
DRAWN BY:

DRAWING NO.:

PAGE 1 OF 1

BORING RECORD

GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	OWN READING	RECOVERY	DEPTH	
		N 32.33814 W -104.04661							BACKGROUND OWN READING: SOIL: 0.0 PPM AIR: 12.0 PPM
	0	GROUND SURFACE: (0-3.5) Dry loose fine sand/silt Brown			0-0			X	0
					0-0			X	
					0-0			X	
					0-0			X	
	5	(3.5-13.75) Reddish Brown fine sand/silt Dry compacted easily crumbles			0-0			X	5
					0-0			X	
	10				0-0			X	10
					2-3			X	
	15	(13.75-15) calcic & fine sand white Dry loose			0-0			X	15
	20	T1) Sample tubes 0-1 1146 1-2 1147 2-3 1148 3-4 1149 5-6 1151 7-8 1152 9-10 1153 11-12 1156 14-15 1157							20
	25								25
	30								30
	35								35



CME CONTINUOUS AUGER SAMPLER

STANDARD PENETRATION TEST

UNDISTURBED SAMPLE

WATER TABLE (24 HOURS)



WATER TABLE (TIME OF BORING)

LABORATORY TEST LOCATION

PENETROMETER (TONS/SQ. FT.)

NR: NO RECOVERY

PROJECT NAME

NOVO Oil & Gas - Hades North Loop Produced Water Release

PROJECT NUMBER

NVONM2202

BORING NUMBER

SB-25

DATE DRILLED:

4/27/2022

DRILLING METHOD: Direct Push/Air Rotary

DRILLED BY: Envirotech Drilling

LOGGED BY:

CHECKED BY:

DRAWING NO.:

DRAWN BY:

PAGE 1 OF 1



ALTAMIRA

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APPENDIX E
Field Documentation

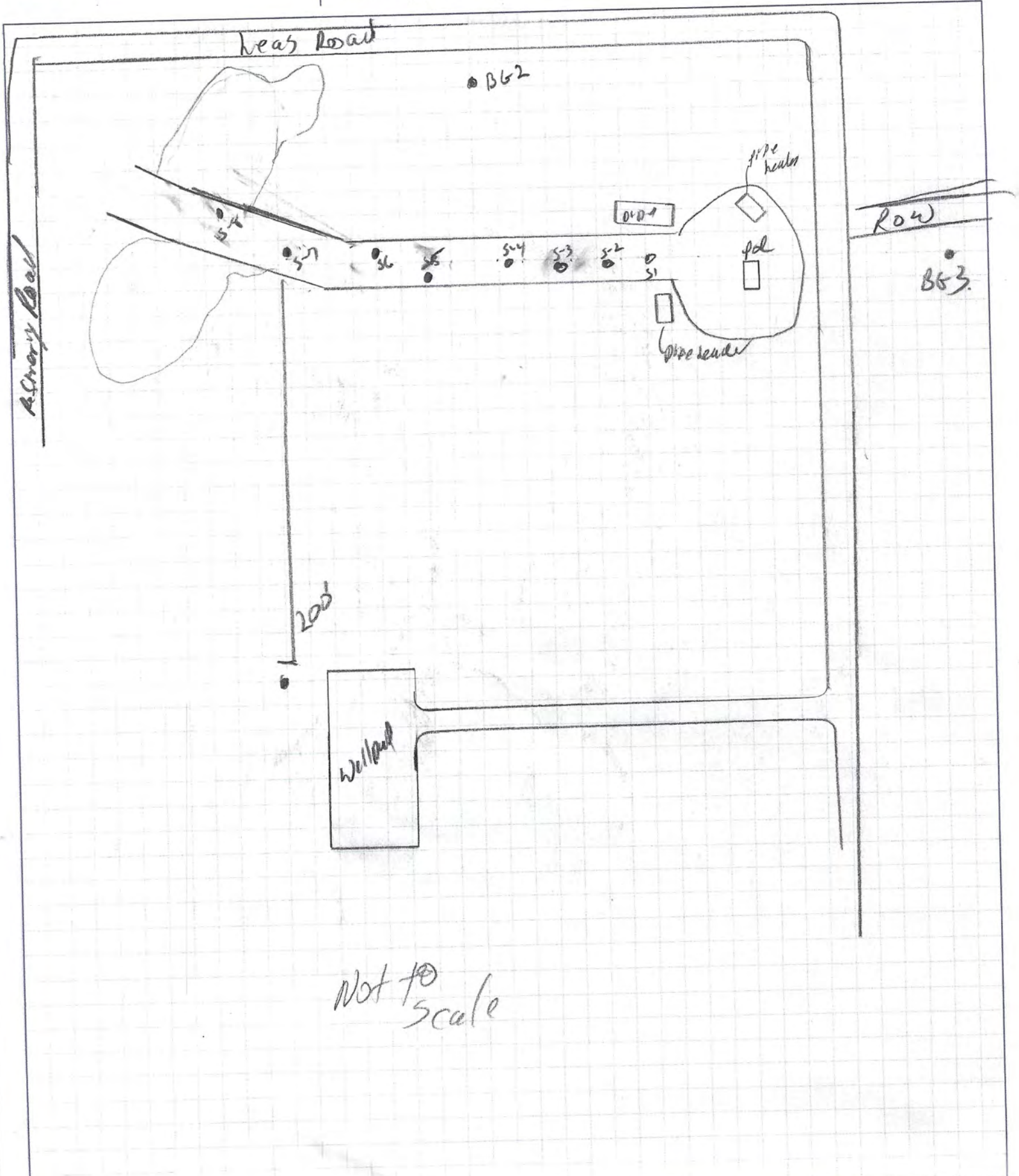
Client: NucProject: Novo HudesPage: 1 of 1Date: 4/7/2022By: Mike Conde

0800 Arrive @ site Conduct walk through site with Jason Hawley
 0830 Determine that more excavation was needed called Bryan to digress.
 0845 After call with Bryan he suggested we take some preliminary samples along path of spill will also collect some background samples X3
 0900 marked out 8 sample locations along spill path at approx 100' apart. Background samples will be North of lease Road in undisturbed Area, East of spill Area approx 1/2 way between spill Area + well pad, West of spill Area approx 1/2 way to lease Road. Sample locations marked with pin flags with sample ID's written on them.
 1000 decontaminated stainless steel trowl with distilled water + Alconox final distilled water rinse - trowl to be decontaminated between each sample.
 1014 Bryan sample collection of S-1 thru S8 to be completed.
 1115 completed samples along spill path & will start on background samples for chlorides only.
 1200 All samples collected labeled & in cooler with COCs completed.
 1230 depart site to deliver samples & return travel to Corpus Christi.



Client: NOVO
Project: Hudon

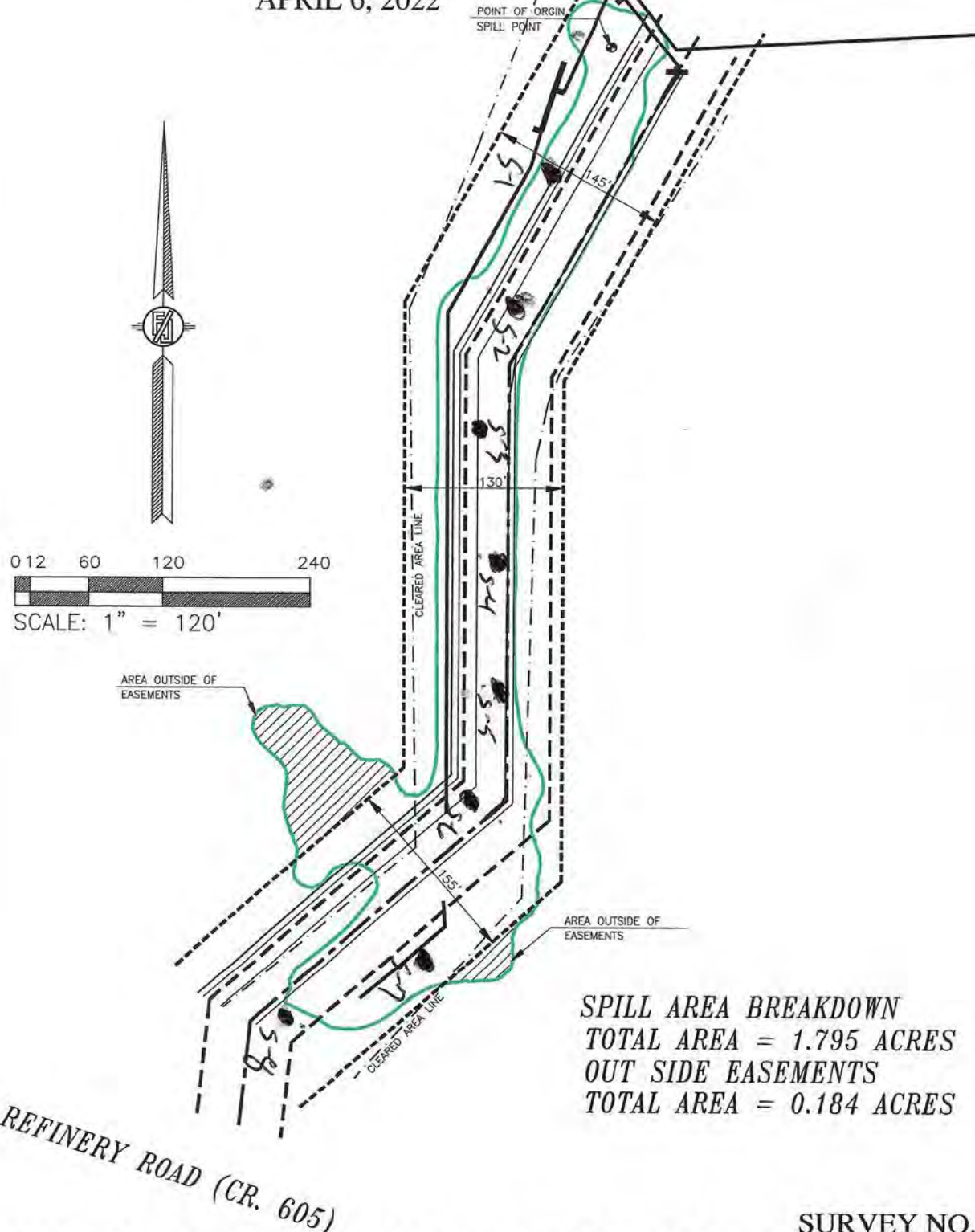
Date: 4/7/2022
By: JB



NOVO OIL & GAS NORTHERN DELAWARE, LLC SWD SPILL AREA LIMITS

SECTION 1, TOWNSHIP 23 SOUTH, RANGE 28 EAST
EDDY COUNTY, STATE OF NEW MEXICO

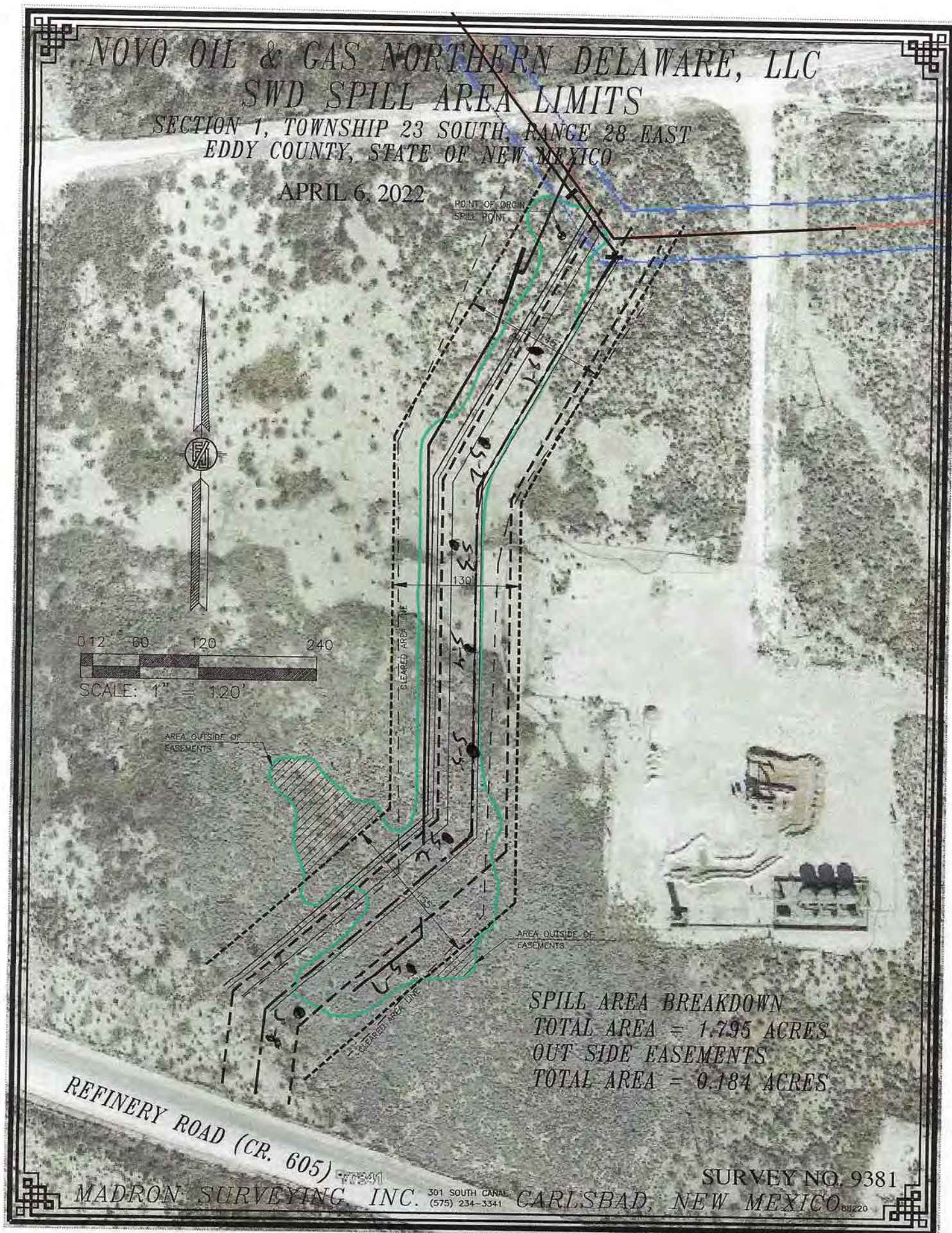
APRIL 6, 2022



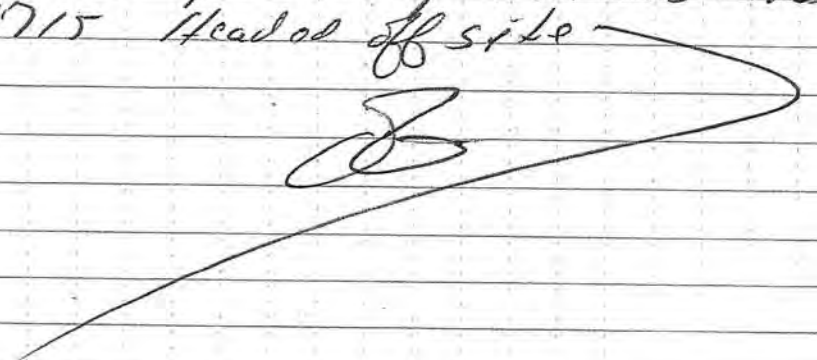
SPILL AREA BREAKDOWN
TOTAL AREA = 1.795 ACRES
OUT SIDE EASEMENTS
TOTAL AREA = 0.184 ACRES

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO 88220

SURVEY NO. 9381



7/25/2022
NOVA Hader

- 0715 depart for site to meet up w. the drillers & local personnel
- 0800 Arrive @ site tailgate safety meeting walked boring locations with Bryan. Drillers inspecting Geoprobe Rite
- 0900 move to SB-2 location to begin boring
- 0907 Start SB-2 location
- 0937 @ SB-3 to begin boring
- 1033 @ SB-4 to begin boring. took break to Juv Snuggles
- 1107 @ SB-5 to begin boring
- 1151 @ SB-6 to begin boring all pore holes are plugged w/ on completion with Bentonite chips & hydrated
- 1210 Boring @ SB-6 completed & plugged drillers to take lunch break while Vilma takes samples
- 1229 samples from SB-6 Jarred @ lunch to take govt break to eat
- 1240 Moved Rig to SB-7 to continue with soil boring
- 1333 @ SB-8 to start boring
- 1418 @ SB-9 to start boring to 15' BGS
- 1512 done @ SB-9 moved to SB-10 to start boring
- 1601 @ SB-24 to start boring
- 1628 @ SB-19 to start boring
- 1659 completed SB-19 loading up Geoprobe to depart Site samples in cooler with ICE All sample sleeves have been picked up All trash has been picked up & bagged
- 1715 Headed off site
- 

7/26/2022

Hades Notebook

0700 depart for site need to stop & get codes for samples
+ IL

0740 Arrive @ site Drillers already there Tailgate meeting,
move trucks & Geoprobe to SB-11 to set up & set up @
Bore hole location SB-11 will be advanced to 51' BGS

0755 Orlando to collect GPS coordinates from previous points
while driller prep rig.

0827 Drill Rig set up @ SB-1 first. Rig turned on & Tested
2-stop

0831 Begin @ SB-1

0915 completed SB-1 samples in cooler moving to SB-11
SB-11 will be advanced to 51' BGS or stop if water
encountered

0952 collected 19-20' sample from SB-11 were able to direct push
to 20' switching out to flight Augers to advance to 51' or shallower
if water encountered.

1126 completed SB-11 Boring Advanced to 51' BGS
NO water encountered bore hole will be plugged with
Bentonite Chips that will be hydrated

1147 SB-11 plugged Hydrated Bentonite chips to 3' BGS
3'-0" concrete cap

1150 Lunch Break

1270 End lunch break move Geoprobe to SB-13

1322 completed SB-13 starting SB-12 Boring

1408 completed SB-12 moved & set up @ SB-15

1451 completed SB-15. Drillers to load
Geoprobe Orlando to prep samples to take to
hub.

1523 Geoprobe loaded heading off site. Orlando
to take samples to hub in Hobbs



4/27/2022

Kono Hales North Loop

0726 depart Fort St

0854 Arrive @ location Drillers onsite conducted
tailgate meeting calibrated PDP0815 moved Geoprobe to SB-16 location to set up to
begin Boring to 15' BGS0854 Completed SB-16 moved to ~~SB-23~~^{SB} SB-23

0950 @ SB-22 to begin Boring

1029 set up @ SB-21 to begin Boring

1120 moved Geoprobe to SB-25 location set up. Taking
15 min break

1135 @ SB-15 to start Boring

1212 @ SB-20 to begin Boring

1248 completed SB-20 will take lunch break
before moving to SB-181324 lunch break done move Geoprobe to SB-18 to
begin Boring

1327 @ SB-18 to begin Boring

1405 @ SB-17 to begin Boring

1503 completed All Boring locations photos of
each location + GPS coordinates of each
Also collected all samples in cooler with ice
1510 Depart Site

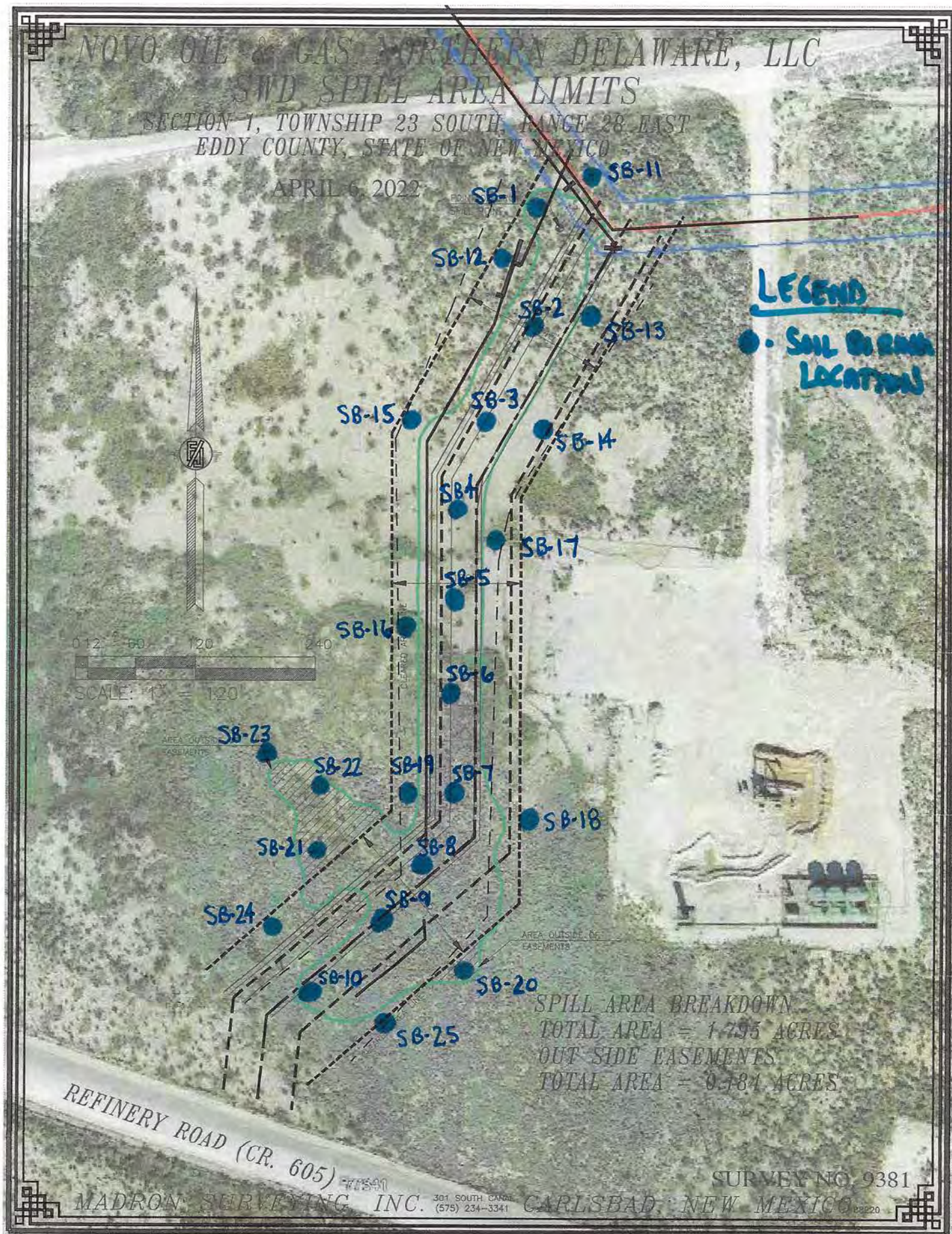
JB



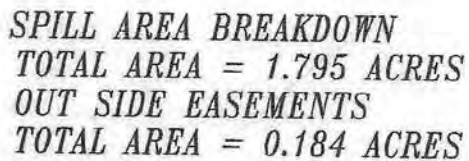
ALTAMIRA

Client: NovaPage: 1 of 1Date: 7/25/2022Project: Hades North LoopBy: [Signature]

North		West	
SB-2	32.34001	-104.04601	
SB-3	32.33983	-104.04615	
SB-4	32.33958	-104.04628	
SB-5	32.33929	-104.04628	
SB-6	32.33902	-104.04637	
SB-7	32.33869	-104.04633	
SB-8	32.33847	-104.04632	
SB-9	32.33826	-104.04655	
SB-10	32.33814	-104.04674	
SB-24	32.33826	-104.04672	
SB-19	32.33871	-104.04643	
SB-11	32.34047	-104.04576	
SB-1	32.34031	-104.04586	
SB-12	32.34028	-104.04597	
SB-15	32.33989	-104.04629	
SB-16	32.33927	-104.04644	
SB-21	32.33851	-104.04672	
SB-23	32.33879	-104.04686	
SB-22	32.33872	-104.04675	
SB-25	32.33814	-104.04661	
SB-20	32.33825	-104.04626	
SB-18	32.33866	-104.04629	
SB-17	32.33931	-104.04617	
SB-14	32.33979	-104.04602	
SB-13	32.34013	-104.04587	



APRIL 6, 2022



MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO 88220

SURVEY NO. 9381

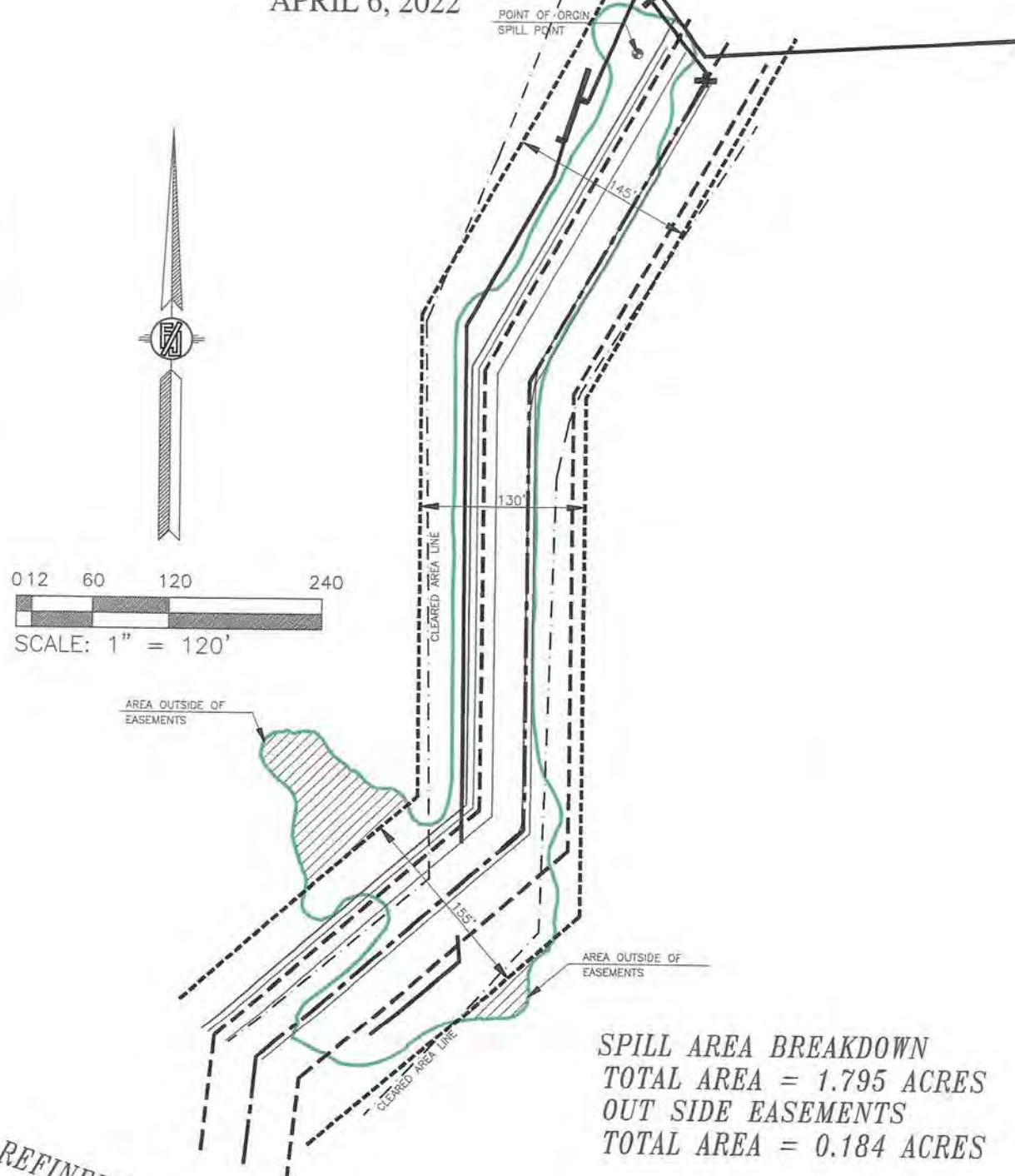
301 SOUTH CANAL
(575) 234-3341

CARLSBAD, NEW MEXICO 88220

NOVO OIL & GAS NORTHERN DELAWARE, LLC
SWD SPILL AREA LIMITS

SECTION 1, TOWNSHIP 23 SOUTH, RANGE 28 EAST
EDDY COUNTY, STATE OF NEW MEXICO

APRIL 6, 2022



MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO 88220

SURVEY NO. 9381



APPENDIX F
Plugging Report



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4609-POD1		WELL TAG ID NO. SB-11		OSE FILE NO(S). C-4609			
	WELL OWNER NAME(S) Novo Oil & Gas Northern Delaware, LLC				PHONE (OPTIONAL) 405-286-3916			
	WELL OWNER MAILING ADDRESS 1001 W. Wilshire Blvd., Suite 206				CITY Oklahoma City	STATE OK	ZIP 73116	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 20	SECONDS 26.14 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
		LONGITUDE 104	02	44.11 W				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Twp: T23S, Rng: R28E, Sec 1 (area north of CR 605 - Refinery Road)								
2. DRILLING & CASING INFORMATION	LICENSE NO. NM-1757		NAME OF LICENSED DRILLER David Draybuck			NAME OF WELL DRILLING COMPANY Envirotech Drilling Services		
	DRILLING STARTED 4/26/2022	DRILLING ENDED 4/26/2022	DEPTH OF COMPLETED WELL (FT) Well not installed, only bore hole		BORE HOLE DEPTH (FT) 51	DEPTH WATER FIRST ENCOUNTERED (FT) DRY		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) DRY	DATE STATIC MEASURED DRY	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT	
	0 51		~5 inches	Portland Type 1 with 5% bentonite grout		~6.8	pump mix and tremie	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.		PAGE 2 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4609-POD1

Well owner: Novo Oil & Gas Northern Delaware, LLC

Phone No.: 405-286-3916

Mailing address: 1001 W. Wilshire Blvd., Suite 206

City: Oklahoma City

State: Oklahoma

Zip code: 73116

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Envirotech Drilling Services
- 2) New Mexico Well Driller License No.: NM-1757 Expiration Date: 1/31/2024
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): David Draybuck
- 4) Date well plugging began: 4/26/2022 Date well plugging concluded: 4/26/2022
- 5) GPS Well Location: Latitude: 32 deg, 20 min, 26.14 sec
Longitude: 104 deg, 02 min, 44.11 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 51 ft below ground level (bgl),
by the following manner: Tape Measure
- 7) Static water level measured at initiation of plugging: DRY ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 4/15/2022
- 9) Were all plugging activities consistent with an approved plugging plan? YES If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

Not Applicable

- For each interval plugged, describe within the following columns:**

MULTIPLY		BY	AND OBTAIN
cubic feet	x	7.4805	= gallons
cubic yards	x	201.97	= gallons

I, David Draybuck, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

Date _____



APPENDIX H
Waste Documentation



R360 Environmental Solutions, LLC **Permian Basin Region**

P.O. Box 3452
Hobbs, NM 88241

Date: 4/18/2022

Invoice #: C237776

Terms: Due Upon Receipt

Generator: NOVO OIL & GAS NORTHERN DELA

Lease: HADES NORTH LOOP

Well:

Rig: NON-DRILLING

PO:

Memo:

Bill To

NOVO OIL & GAS NORTHERN DELAWARE, LLC

1001 West Wilshire Blvd

Suite 206

Oklahoma City, OK 73116

Item	Qty	Desc	Price	Amount	Ticket	Date	Manifest #	3rd Party #	Co. Man	Trucking Co
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	1292082	4/8/2022	525614		BRIAN HANEY 361-658-3126	FULTONS OILFIELD
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	1292083	4/8/2022	8005103		BRYAN HANEY 361-658-3126	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	1292088	4/8/2022	8005102		BRYAN HANEY 361-658-3126	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	1292103	4/8/2022	8005114		BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	1292104	4/8/2022	8005113		BRYAN HANEY	RICO & SONS TRUCKING
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	1292107	4/8/2022	8005110		BRYAN HANEY	RICO & SONS TRUCKING
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	1292111	4/8/2022	8005112		BRYAN HANEY	RICO & SONS TRUCKING
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	1292138	4/8/2022	8005119		BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	1292140	4/8/2022	8005115		BRYAN HANEY	FULTONS OILFIELD
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	1292148	4/8/2022	8005117		BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY
For wire instructions, contact your Account Executive.



R360 Environmental Solutions, LLC

Permian Basin Region

P.O. Box 3452
Hobbs, NM 88241

Date: 4/18/2022
Invoice #: C237776

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Well:
Rig: NON-DRILLING
PO:
Memo:

Bill To

NOVO OIL & GAS NORTHERN DELAWARE, LLC
1001 West Wilshire Blvd
Suite 206
Oklahoma City, OK 73116

Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292189	4/8/2022	8005111	BRYAN HANEY	RICO & SONS TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292190	4/8/2022	8005120	BRYAN HANEY	RICO & SONS TRUCKING
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Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292192	4/8/2022	8005109	BRYAN HANEY	RICO & SONS TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292224	4/8/2022	8005125	BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292225	4/8/2022	8005123	BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292296	4/8/2022	8005126	BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292298	4/8/2022	8005124	BRYAN HANEY	FULTONS OILFIELD
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292305	4/8/2022	8005129	BRYAN HANEY	RICO & SONS TRUCKING
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Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292384	4/8/2022	8005107	BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292502	4/9/2022	8005104	BRYAN HANEY	RICO & SONS TRUCKING
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Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292507	4/9/2022	8005106	BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292513	4/9/2022	8005136	BRYAN HANEY	Castillos Trucking
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292516	4/9/2022	8005137	BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292518	4/9/2022	8005138	BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC

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Page 2 of 4



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Permian Basin Region

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Date: 4/18/2022
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Bill To

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1001 West Wilshire Blvd
Suite 206
Oklahoma City, OK 73116

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Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292523	4/9/2022	8005140	BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292546	4/9/2022	8005149	BRYAN HANEY	RICO & SONS TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292550	4/9/2022	8005148	BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292552	4/9/2022	8005147	BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292557	4/9/2022	8005150	BRYAN HANEY	RICO & SONS TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292561	4/9/2022	8005146	BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292564	4/9/2022	8005145	BRYAN HANEY	FULTONS OILFIELD
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292567	4/9/2022	8005153	BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292572	4/9/2022	8005142	BRYAN HANEY	RICO & SONS TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292588	4/9/2022	8005154	BRYAN HANEY	RICO & SONS TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292590	4/9/2022	8005156	BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292591	4/9/2022	8005157	BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292599	4/9/2022	8005162	BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292600	4/9/2022	8005161	BRYAN HANEY	RICO & SONS TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292602	4/9/2022	8005160	BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292604	4/9/2022	8005159	BRYAN HANEY	RICO & SONS TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	1292608	4/9/2022	8005158	BRYAN HANEY	PITCHFORK DIRT & RENTAL LLC

Please Remit To:
R360-Permian Basin Region
P.O. Box 671798
Dallas, TX 75267-1798
575-393-1079 (O); 575-393-3615(F)

Subtotal: \$23,760.00
NM Sales Tax: \$1,306.80
Total: \$25,066.80

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY
For wire instructions, contact your Account Executive.

**R360 Environmental Solutions, LLC**
Permian Basin RegionP.O. Box 3452
Hobbs, NM 88241**Date:** 4/18/2022
Invoice #: C237776**Terms:** Due Upon Receipt
Generator: NOVO OIL & GAS NORTHERN DELA
Lease: HADES NORTH LOOP
Well:
Rig: NON-DRILLING
PO:
Memo:**Bill To**
NOVO OIL & GAS NORTHERN DELAWARE, LLC
1001 West Wilshire Blvd
Suite 206
Oklahoma City, OK 73116**Summary of Products & Services**

Product	Price	Quantity	Unit	Extended Price
Contaminated Soil (RCRA Exempt)	\$22.00	1,080.00	yards	\$23,760.00
Sales Tax (NM)	\$1,306.80	1.00	each	\$1,306.80

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY
For wire instructions, contact your Account Executive.



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN DEL	Ticket #:	700-1292082
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRIAN HANEY 361-658-3126	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN DE
PO #:		Generator #:	
Manifest #:	525614	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	FULTONS OILFIELD	Well #:	
Driver:	HOLMAN	Field:	
Truck #:	122	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.
- ☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

Name

Phone No.

GENERATOR

NO. 525614

Operator No.

Operator's Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I 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 load 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 (R360 Accepts certifications on a per load basis only)



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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Orlando Gonzalez

(PRINT) AUTHORIZED PERSON'S NAME

DATE

SIGNATURE

Transporter's

Name

Address

Phone No.

TRANSPORTER

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Halfway Facility / NM1-006

Phone No.

575-393-1079

6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlbad, NM 88220

NORM READINGS TAKEN? (Circle one)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle one)

YES

NO

TANK BOTTOMS

Feet

Inches

1st Gauge
2nd Gauge
ReceivedBS&W/BBLS Received
Free Water
Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

TITLE

SIGNATURE



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN DEL	Ticket #:	700-1292083
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY 361-658-3126	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN DE
PO #:		Generator #:	
Manifest #:	8005103	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL LLC	Well #:	
Driver:	GERARDO	Field:	
Truck #	15	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.
- ☐ 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 above)

Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Name Bryan Honey
Phone No. 361-658-3126

GENERATOR

NO. 8005103Operator No. _____
Operators Name Novo oil & Gas LLC
Address 1001 west Wilshire Blvd
City, State, Zip Oklahoma City OK 73116
Phone No. 361-658-3126Permit/RRC No. _____
Lease/Well Name & No. Hades North Loop
County Eddy
API No. _____
Rig Name & No. W/H
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	<u>Belly Pump</u>
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)Orlando Gonzalez

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Pitchfork dirt + Rental LLC
Address 1407 Houston Rd
PO Box 691 Cordoba NM 88201
Phone No. 575Driver's Name Gerardo Vargas
Print Name _____
Phone No. _____
Truck No. 15

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Site Name/ Red Bluff Facility/ STF-055
Permit No. Halfway
Address 5053 US Highway 385, Oslo, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l) _____

Conductivity (mmhos/cm) _____

pH

TANK BOTTOMS

1st Gauge _____
2nd Gauge _____
Received _____

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above listed material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

FILE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN DEL	Ticket #:	700-1292088
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY 361-658-3126	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN DE
PO #:		Generator #:	
Manifest #:	8005102	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL LLC	Well #:	
Driver:	JOSE	Field:	
Truck #	14	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.
☐ 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 above)

Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Name Bryan HoneyPhone No. 362 658 3126

GENERATOR

NO. 8005102

Operator No. Novo Oil + Gas LLC
 Operators Name 1001 West Warkshire Blvd
 Address _____
 City, State, Zip Oklahoma City, OK 73116
 Phone No. 362-6583126

Permit/RRC No. _____
 Lease/Well Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. N / M
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	<u>Belly Dump</u>
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

Orlando Gonzalez / Bryan Honey 4/18
 (PRINT) AUTHORIZED AGENTS SIGNATURE DATE

SIGNATURE

TRANSPORTER

Transporter's Name Pitchfork dirt Rental LLC
 Address 1907 Houston Rd
Po Box 691 Corsobado NM 88220
 Phone No. 575

Driver's Name Jose Garcia
 Print Name _____
 Phone No. _____
 Truck No. 14

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28

Site Name/ Red Bluff Facility / 57F-068
 Permit No. _____
 Address 5053 IIS Highway 385, Ocala, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l) _____

Conductivity (mmhos/cm) _____ pH _____

TANK BOTTOMS

1st Gauge _____
 2nd Gauge _____
 Received _____

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

R360ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292103
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	ORLANDO GONZALES	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005114	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	MANUEL	Field:	
Truck #:	01	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____


 Company Man
 Name Bryan Hancey
 Phone No. 361 658 3126

GENERATOR

NO. 8005114

Operator No.

Operators Name

Novo Oil & Gas LLC

Address

1001 West Wilshire Blvd

City, State, Zip

Oklahoma City, OK 73116

Phone No.

361 658 3126

Permit/RRC No.

Lease/Well

Name & No.

North Loop

County

Eddy

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☒

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

20 Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒

RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐

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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐

MSDS Information

☐

RCRA Hazardous Waste Analysis

☐

Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Pitchfork dirt + Rental LLC

Address

1407 Houston RdPo Box 691 Carlsbad NM 88220

Phone No.

Driver's Name

Manuel Rio

Print Name

Phone No.

Truck No.

01

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 28

Site Name/

Permit No.

Red Bluff Facility/ STF-065

Address

5053 US Highway 285, Oita, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (mg/l)

Conductivity

(mmhos/cm)

pH

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&W/BBLS Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292104
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005113	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	RICO & SONS TRUCKING	Well #:	
Driver:	RUBEN	Field:	
Truck #:	15	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!Approved By: Date: 



(PLEASE PRINT)

REQUIRED INFORMATION

Name: Bryan HanerPhone No. 361-658-3126

GENERATOR

NO. 8005113

Operator No. _____
 Operators Name Nova Oil + Gas LLC
 Address 1001 West Wilshire Blvd
 City, State, Zip Oklahoma City OK 73116
 Phone No. 361-658-3126

Permit/RRC No. _____
 Lease/Well Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. W/A
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

RICO + SONS TKT. TRANSPORTER

Transporter's Name Pitchfork dirt & Rental LLC
 Address 1407 Houston Rd
Po Box 691 Carlsbad NM 88220
 Phone No. _____

Driver's Name Ruben Valdivia
 Print Name _____
 Phone No. 575 993 3536
 Truck No. 15

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

4/18/22 Ruben Valdivia

4/18/22 [Signature]

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 28

Site Name/ Permit No. Red Bluff Facility/ STP-065
 Address 5053 US Highway 285, Orlo, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (circle one) YES NO

Chloride

Conductivity (mmhos/cm) _____ pH _____

Chemical Analysis (Mg/l) _____

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above listed material has been (circle one):

ACCEPTED

DENIED

denied, why?

[Signature]

4/18/22

[Signature]

[Signature]

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

R360ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292107
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005110	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	RICO & SONS TRUCKING	Well #:	
Driver:	ISRAEL	Field:	
Truck #:	08	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Name

Phone No.

Bryan Henney

GENERATOR

Operator No.

N

Operators Name

Nova Oil + Gas LLC

Address

1001 West Wilshire Blvd

City, State, Zip

Oklahoma City OK 73116

Phone No.

361-6583126

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

NO. 8005110

Haeles

North Loop

Eddr

New Drill

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☒

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

Y - YARDS

20

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.



RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)



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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)



MSDS Information



RCRA Hazardous Waste Analysis



Other (Provide Description Below)

ORLANDO GONZALEZ

Bryan Henney

4/8/22

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

Transporter's

Name

Address

Phone No.

RICO & SONS TRUCK

TRANSPORTER

Pitchfork dirt + Rental LLC

1407 Huston Rd

PO Box 691 Carlsbad NM 88220

Driver's Name

Print Name

Phone No.

Truck No.

Israel Gonzalez

08

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

04-08-22

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

28

Site Name/

Permit No.

Address

R360 Bluff facility/ STF-065

5653 US Highway 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity

(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BOLS Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

Denied, why?

(NAME PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292111
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005112	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	RICO & SONS TRUCKING	Well #:	
Driver:	ADRIANA	Field:	
Truck #	12	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:



(PLEASE PRINT)

REQUIRED INFORMATION

Name Bryan HaneyPhone No. 361-658-3126**GENERATOR**NO. 8005112

Operator No. _____
 Operators Name Novo Oil + Gas LLC
 Address 1001 West Wilshire Blvd
 City, State, Zip Oklahoma City OK 73116
 Phone No. 361-6583126

Permit/RRC No. _____
 Lease/Well Name & No. Hades North Loop
 County Eddy
 API No. _____
 Rig Name & No. HOW Dr-11
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCRP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS _____ E - EACH _____

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Rico & Sons
 Name Pitchfork dirt & Rental LLC
 Address 1407 Houston Rd
Po Box 691 Carlsbad NM 88220
 Phone No. _____

Driver's Name Adriana Maturino
 Print Name _____
 Phone No. _____
 Truck No. 12

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN: _____ OUT: _____

Name/No. 28

Site Name/ Red Bluff Facility/ STF-065
 Permit No. _____
 Address 5053 US Highway 285, Orla, TX 79770

HATF WayPhone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (circle one) YES NO

Chemical Analysis (Mg/l) _____ Conductivity (mmhos/cm) _____ pH _____

TANK BOTTOMS

1st Gauge _____
 2nd Gauge _____
 Received _____

BS&W/BBLS Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

R360ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292138
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005119	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	JOSE	Field:	
Truck #	14	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!Approved By: Date: 



(PLEASE PRINT)

REQUIRED INFORMATION

Name

Bryan Hamey

Phone No. 361 658 3126

GENERATOR

NO. 8005119

Operator No.

Operators Name

Novo Oil & Gas LLC

Address

1001 West Wilshire Blvd

City, State, Zip

Oklahoma City OK 73116

Phone No.

361 658 3126

Permit/RRC No.

Lease/Well

Name & No.

North Loop

County

Eddy

API No.

Rig Name & No.

AFE/PO No.

N/A

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☒

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCPL), ignitability, Corrosivity and Reactivity

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

20 Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒

RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐

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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐

MSDS Information

☐

RCRA Hazardous Waste Analysis

☐

Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENT'S SIGNATURE

4-8-22

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Pitchfork dirt Rental LLC

Address

1407 Haslon Rd

Po Box 691 Carlsbad NM 88220

Phone No.

Driver's Name

Jose Garcer

Print Name

Phone No.

Truck No.

14

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN:

OUT:

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility/ STE-065

5063 US Highway 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity

(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BDLS Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292140
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005115	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	FULTONS OILFIELD	Well #:	
Driver:	HOLMAN	Field:	
Truck #:	122	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

**GENERATOR**NO. **8005115**

Operator No.

Operators Name

Novo Oil + Gas LLC

Address

1001 West Wilshire Blvd

City, State, Zip

Oklahoma City, OK 73116

Phone No.

361-658-3126

Permit/RRC No.

Lease/Well

Name & No.

North Loop

County

Eddy

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds		NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings			
Water Based Muds			
Water Based Cuttings			
Produced Formation Solids			
Tank Bottoms			
E&P Contaminated Soil	X	INTERNAL USE ONLY	
Gas Plant Waste		Truck Washout (exempt waste)	

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES**NON-EXEMPT E&P Waste/Service Identification and Amount**

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCIP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

20 Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation



RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)



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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)**ORLANDO GONZALEZ**

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Pitchfork dirt + Rental LLC

Address

1407 Huston Rd**Po Box 691 Carlsbad NM 88220**

Phone No.

Driver's Name

Halmon M Salinas

Print Name

Phone No.

Truck No.

122

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY**RECEIVING AREA**

Name/No.

28

Site Name/

Permit No.

Address

Red Bluff Facility/ STP-003**5053 US Highway 285, Orla, TX 79770**

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity

Chemical Analysis (Mg/l)

(mmhos/cm)

pH

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLS Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

(NAME, PRINT)

DATE

TITLE

SIGNATURE

R360ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292148
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005117	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	GERARDO	Field:	
Truck #	15	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Name Bryan HoneyPhone No. 361 658 3126

GENERATOR

Operator No. _____
 Operators Name Nova Oil & Gas LLC
 Address 1001 West Wilshire Blvd
 City, State, Zip Oklahoma City OK 73116
 Phone No. 361-658 3126

Permit/RRC No. _____
 Lease/Well Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. W/A
 AFE/PO No. _____

Hedges NO. 8005117

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s) is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Pitchfork dirt & Rental LLC
 Address 1407 Huston Rd
Po Box 691 Carlsbad NM 88220
 Phone No. _____

Driver's Name Gerardo Vargas
 Print Name _____
 Phone No. _____
 Truck No. 15

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28

Site Name/ Red Bluff Facility/ STF 065
 Permit No. _____
 Address 5053 US Highway 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (circle one) YES NO

Chloride

Conductivity (mmhos/cm) _____ pH _____

Chemical Analysis (Mg/l) _____

TANK BOTTOMS

Feet _____ Inches _____
 1st Gauge _____
 2nd Gauge _____
 Received _____

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TIME

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

R360ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: ORLANDO GONZALES
AFE #:
PO #:
Manifest #: 8005111
Manif. Date: 4/8/2022
Hauler: RICO & SONS TRUCKING
Driver: ISRAEL
Truck #: 08
Card #
Job Ref #

Ticket #: 700-1292189
Bid #: O6UJ9A000J90
Date: 4/8/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: HADES NORTH LOOP
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Name: **Bryan Haney**Phone No.: **361 658 3126****GENERATOR**NO. **8005111**

Operator No.

Operators Name

Novo Oil & Gas LLC

Address

1001 West Wilshire Blvd

City, State, Zip

Oklahoma City OK 73116

Phone No.

Permit/RRC No.

Lease/Well

Name & No

North Loop

County

Eddy

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds		NON-INJECTABLE WATERS		OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings		Washout Water (Non-Injectable)		
Water Based Muds		Completion Fluid/Flow back (Non-Injectable)		
Water Based Cuttings		Produced Water (Non-Injectable)		
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)		
Tank Bottoms		INTERNAL USE ONLY		
E&P Contaminated Soil	X	Truck Washout (exempt waste)		
Gas Plant Waste				

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☒

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

20 Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒

RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐

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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐

MSDS Information

☐

RCRA Hazardous Waste Analysis

☐

Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

Transporter's

Name

Pico and Sons
Pitchfork dirt + Rental LLC

Address

1407 Hasler Rd
Po Box 691 Carlsbad NM 88220

Phone No.

TRANSPORTER

Driver's Name

Israel Gonzalez

Print Name

Phone No.

Truck No.

08

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN:

OUT:

Name/No.

298

Site Name/

Permit No.

Address

Red Bluff Facility/ STB-065
Half way
5053 US Highway 285, Dria, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

(NO)

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity

(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLS Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

R360ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: BRYAN HANEY
AFE #:
PO #:
Manifest #: 8005120
Manif. Date: 4/8/2022
Hauler: RICO & SONS TRUCKING
Driver: MANUEL
Truck #: 01
Card #
Job Ref #

Ticket #: 700-1292190
Bid #: O6UJ9A000J90
Date: 4/8/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: HADES NORTH LOOP
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Facility: CRI

Product / Service**Quantity Units**


Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____

Company Man Contact Information
Name Bryan HancyPhone No. 361 658 3126

GENERATOR

NO. 8005120

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

Novo Oil + Gas LLC
1001 West Wilshire BlvdOklahoma city OK 73116361 658 3126Hades
North Loop
EddyW/12

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

20 Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

Rico & Son's
Pitchfork dirt + Rental LLC
1407 Hoston Rd
Po Box 691 Carlsbad NM 88220Manuel Rico
01

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility/ STF-0655053 US Highway 285 Orla, TX 79770Half Way

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l)

Conductivity (mmhos/cm)

pH

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: ORLANDO GONZALES
AFE #:
PO #:
Manifest #: 8005121
Manif. Date: 4/8/2022
Hauler: RICO & SONS TRUCKING
Driver: ADRIANA
Truck #: 12
Card #
Job Ref #

Ticket #: 700-1292191
Bid #: O6UJ9A000J90
Date: 4/8/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: HADES NORTH LOOP
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Name **Bryan McNamee**Phone No. **361-658-3126****GENERATOR**NO. **8005121**

Operator No. _____
 Operators Name **Navo OIL & GAS LLC**
 Address **1001 West Wilshire Blvd**
 City, State, Zip **Oklahoma City OK 73116**
 Phone No. **361-658-3126**

Permit/RRC No. _____
 Lease/Well Name & No. _____
 County _____
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

Hilde's
NORTH
LOOP

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT WASTES (type and generation process of the waste)	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____		
E&P Contaminated Soil	X	Truck Washout (exempt waste)	_____		
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCIP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY **20** B - BARRELS **Y - YARDS** E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name **Rico & Sons**
 Name **Pitchfork dirt & Rental LLC**
 Address **1407 Huston Rd**
Po Box 691 Carlsbad NM 88220
 Phone No. _____

Driver's Name **Adriana Martinez**
 Print Name _____
 Phone No. _____
 Truck No. **12**

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

4/8/22 **Orlando Gonzalez**

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY**RECEIVING AREA**

Name/No. **28**

Site Name/ **Red Bluff Facility/ STP-085**
 Permit No. **111111**
 Address **5053 US Highway 285, Orla, TX 76770**

Phone No. **432-448-4239**

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity

(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): **ACCEPTED** **DENIED** If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292192
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005109	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	RICO & SONS TRUCKING	Well #:	
Driver:	RUBEN	Field:	
Truck #:	15	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
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☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Name Bryan HaneyPhone No. 361-658-3126**GENERATOR**

Operator No. _____
 Operators Name Nova Oil & Gas LLC
 Address 1001 West Wilshire Blvd
 City, State, Zip Oklahoma City OK 73116
 Phone No. 361-658-3126

Permit/RRC No. _____
 Lease/Well Name & No. Hadley North Loop Eddy
 County W/A
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

NO. 8005109
Hadley
North Loop
Eddy
W/A

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Reco 5012 Pitchfork dirt & Rental LLC
 Address 1407 Hoston Rd
Po Box 691 Carlisbad NM 88220
 Phone No. _____

Driver's Name Roberto Valdivia
 Print Name _____
 Phone No. _____
 Truck No. 15

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

4/8/22

SHIPMENT DATE

Roberto Valdivia

DRIVER'S SIGNATURE

4/8/22

DELIVERY DATE

[Signature]

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY**RECEIVING AREA**Name/No. 28

Site Name/ Red Bluff Facility/ ST-065
 Permit No. HAIR WAY
 Address 505A US Highway 285, Orta, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

Chloride

IF YES, was reading > 50 micro roentgens? (circle one) YES NO

Conductivity (mmhos/cm) _____ pH _____

Chemical Analysis (Mg/l) _____

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above material has been (circle one):

ACCEPTED

DENIED

If denied, why? _____

[Signature]

NAME (PRINT)

4/8

DATE

[Signature]

TITLE

[Signature]

SIGNATURE



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292224
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005125	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	HOSE	Field:	
Truck #	14	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!Approved By: Date: 4-8-12



Company Man Control Information Name: Bryan Haney

Phone No. 361-658-3126

GENERATOR

NO. 8005125

Operator No. _____
 Operators Name Novo Oil & Gas LLC
 Address 1001 West Wilshire Blvd.
 City, State, Zip Oklahoma City, OK 73116
 Phone No. 361-6583126

Permit/RRC No. _____
 Lease/Well Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. _____
 AFE/PO No. W/A

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Pitchfork dirt & Rental LLC
 Address 1407 Hoston Rd
Po Box 691 Corsbaid NM 88220
 Phone No. _____

Driver's Name Jose Gomez
 Print Name _____
 Phone No. _____
 Truck No. 14

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 28

Site Name/ Red Bluff Facility / STE 065
 Permit No. _____
 Address 5053 US Highway 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO
 Chloride
 Conductivity (mmhos/cm) pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

1st Gauge _____
 2nd Gauge _____
 Received _____

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If Denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292225
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005123	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	ROGELIO	Field:	
Truck #	15	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

A handwritten signature in cursive script, appearing to read "Rogelio Gomez", is written over a horizontal line.

Customer Approval

THIS IS NOT AN INVOICE!

A handwritten signature in cursive script is written over a horizontal line.

Approved By: _____

Date: _____

**GENERATOR**NO. **8005123**

Operator No. _____ Permit/RRC No. _____
 Operators Name **Novo Oil & Gas LLC** Lease/Well _____
 Address **1001 West Wilshire Blvd** Name & No. **North Loop**
 City, State, Zip **Oklahoma City OK 73116** County **Eddy**
 Phone No. **361-658-3126** API No. _____
 RIG Name & No. _____
 AFE/PO No. **N/A**

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY **B - BARRELS** **20** **Y - YARDS** **E - EACH**

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name **Pitchfork dirt + Rental LLC** Driver's Name **Rogelio Gomez**
 Address **1407 Huston Rd** Print Name _____
Po Box 691 Carlsbad NM 88220 Phone No. _____
 Phone No. _____ Truck No. **15**

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN: _____ OUT: _____ Name/No. **28**

Site Name/ **Red Bluff Facility/ JTF-065** Phone No. **432-448-4239**
 Permit No. **Halfway**
 Address **5955 US Highway 285, Orla, TX 79770**

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
 Chloride Conductivity
 Chemical Analysis (Mg/l) _____ (nmhos/cm) _____ pH _____

TANK BOTTOMS

Feet	Inches	BS&W/BBLS Received	BS&W (%)
1st Gauge		Free Water	
2nd Gauge		Total Received	
Received			

I hereby certify that the above listed material has been (circle one):

ACCEPTED

DENIED

If denied, why?

DATE (PRINT)

DATE

DATE

SIGNATURE

ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292296
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005126	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	JOSE	Field:	
Truck #:	14	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!Approved By: Date: 



(PLEASE PRINT)

REQUIRED INFORMATION

 Company Man Control Information
 Name Bryan Honey
 Phone No. 361 658 3126

GENERATOR

 Operator No. _____
 Operators Name Novo Oil & Gas LLC
 Address 1001 West Wilshire Blvd
 City, State, Zip Oklahoma City OK 73116
 Phone No. _____

 Permit/RRC No. _____
 Lease/Well Name & No. Flades North Loop Eddy
 County _____
 API No. _____
 Rig Name & No. _____
 AFE/PO No. N/A

NO. 8005126

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

 WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

 QUANTITY 20 B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

 Transporter's Name Pitchfork Dirt & Rental LLC
 Address 1407 Hasten Rd
Po Box 691 Coralsburg NM 88220
 Phone No. _____

 Driver's Name José Gomez
 Print Name _____
 Phone No. _____
 Truck No. 14

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

 IN: _____ OUT: _____ Name/No. 28

 Site Name/ Red Bluff Facility/ 37P-865 Hattway Phone No. 432-448-4239
 Permit No. _____
 Address 5053 US Highway 285, Orla, TX 79770

 NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
 Chloride _____ Conductivity _____
 Chemical Analysis (Mg/l) _____ (mmhos/cm) _____ pH _____

TANK BOTTOMS

1st Gauge	Feet	Inches	BS&W/BBLs Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

R360ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: BRYAN HANEY
AFE #:
PO #:
Manifest #: 8005124
Manif. Date: 4/8/2022
Hauler: FULTONS OILFIELD
Driver: HOLMAN
Truck #: 122
Card #
Job Ref #

Ticket #: 700-1292298
Bid #: O6UJ9A000J90
Date: 4/8/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: HADES NORTH LOOP
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Name Dryden HoneyPhone No 361-658-3126

GENERATOR

NO. 8005124

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

Novo Oil & Gas LLC1001 West Wilshire BlvdOklahoma City OK 73116361-658-3126North LoopEddyN/A

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS:



DRILLING



COMPLETION



PRODUCTION



GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

20

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.



RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)



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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

Transporter's

Name

Address

Phone No.

TRANSPORTER

Driver's Name

Print Name

Phone No.

Truck No.

FulkensPitchfork dirt + Rental LLC1407 Huston RdPc Box 691 Carlisbad NM 88220Holman M Salinas122

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility/ STF-0095052 US Highway 285, Onia, TX 79170

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity

(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

B5&W/BBLs Received

Free Water

Total Received

B5&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



rmian Basin

Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: BRYAN HANEY
AFE #:
PO #:
Manifest #: 8005129
Manif. Date: 4/8/2022
Hauler: RICO & SONS TRUCKING
Driver: ISRAEL
Truck #: 08
Card #
Job Ref #

Ticket #: 700-1292305
Bid #: O6UJ9A000J90
Date: 4/8/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: HADES NORTH LOOP
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

cility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 88 regulatory determination, the above described waste is:

- ☐ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- ☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Name Bryan Haney
Phone No. 361 658 3126**GENERATOR**NO. 8005129

Operator No. _____
 Operators Name Navo Oil + Gas LLC
 Address 1001 West Wilshire Blvd
 City, State, Zip Oklahoma City OK 73116
 Phone No. 361 658 3126

Permit/RRC No. _____
 Lease/Well Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS Washout Water (Non-Injectable) _____ Completion Fluid/Flow back (Non-Injectable) _____ Produced Water (Non-Injectable) _____ Gathering Line Water/Waste (Non-Injectable) _____	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	_____		
Water Based Muds	_____		
Water Based Cuttings	_____		
Produced Formation Solids	_____		
Tank Bottoms	_____	INTERNAL USE ONLY Truck Washout (exempt waste) _____	
E&P Contaminated Soil	<u>X</u>		
Gas Plant Waste	_____		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY 20 B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Pico and Sons
Pitchfork dirt + Rental LLC
 Address 1907 Huston Rd
Po Box 691 Corbado NM 88220
 Phone No. _____

Driver's Name Israel Gonzalez
 Print Name _____
 Phone No. _____
 Truck No. 08

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY**RECEIVING AREA**

Site Name/ Red Bluff Facility Half way
 Permit No. STF-065
 Address 5061 US Highway 285, Orin, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

Chloride

If YES, was reading > 50 micro roentgens? (circle one) YES NO

Conductivity _____
 (mmhos/cm) _____ pH _____

Chemical Analysis (Mg/I)

TANK BOTTOMS

1st Gauge _____
 2nd Gauge _____
 Received _____

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED 4/8/22 Ree If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292306
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005130	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	RICO & SONS TRUCKING	Well #:	
Driver:	RUBEN	Field:	
Truck #	15	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!Approved By: Date: 



(PLEASE PRINT)

REQUIRED INFORMATION

 Company Man Contact Information
 Name Bryan Harey
 Phone No. 361 658 3126

GENERATOR

NO. 8005130
 Operator No. _____
 Operators Name Novo OIL & GAS LLC
 Address 1001 west wilshire Blvd
 City, State, Zip Oklahoma City OK 73126
 Phone No. 361 658 3126

 Permit/RRC No. _____
 Lease/Well Name & No. Hades North Loop
 County Eddy
 API No. _____
 Rig Name & No. W/A
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

 WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

 QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

 Transporter's Name RICO SONS
Pitchfork dirt & Rental LLC
 Address 1407 Huston Rd
PO Box 691 Carlisle NM 88220
 Phone No. _____

 Driver's Name Ruben Valdivia
 Print Name _____
 Phone No. _____
 Truck No. 15

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

4/8/22
 SHIPMENT DATE

Ruben Valdivia
 DRIVER'S SIGNATURE

4/8/22
 DELIVERY DATE

[Signature]
 DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 28
 Site Name/ Permit No. Red Bluff Facility, STP-065
 Address 5655 US Highway 785, Ocala, FL 32778

 Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (circle one) YES NO

Chloride

Conductivity

Chemical Analysis (Mg/l)

(mmhos/cm)

pH

TANK BOTTOMS

Feet	Inches
1st Gauge	
2nd Gauge	
Received	

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292309
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005122	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	ROGELIO	Field:	
Truck #	15	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information
Name Bryan Hane
Phone No. 361 658 3126

GENERATOR

NO. 8005122

Operator No. _____
 Operators Name Novo Oil & Gas LLC
 Address 1001 West Wilshire Blvd
 City, State, Zip Oklahoma city OK 73116
 Phone No. 361 658 3126

Permit/RRC No. _____
 Lease/Well Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCDF), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY 20 B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ
 (PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

Rogelio GARCES
 SIGNATURE

TRANSPORTER

Transporter's Name Pitchfork dirt & Rental LLC
 Address 1407 Huston Rd
Po Box 691 Ocala NM 88220
 Phone No. _____

Driver's Name ROGELIO GARCES
 Print Name _____
 Phone No. _____
 Truck No. 15

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 2.8

Site Name/ Permit No. Red Bluff Facility/ STF-065
 Address 5053 US Highway 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒

Chloride

If YES, was reading > 50 micro roentgens? (circle one) YES ☐ NO ☐

Conductivity (mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED ☒ DENIED ☐ If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292314
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005128	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	ADRIANA	Field:	
Truck #:	12	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- ☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Handwritten signature of Adriana Maturo in black ink.

Handwritten signature of the R360 Representative in black ink.

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Hazardous Oilfield Waste Manifest

N.M.

(PLEASE PRINT)

REQUIRED INFORMATION

Name Brayan HanevPhone No. 361 658 3126

GENERATOR

NO. 8005128

Operator No. _____
 Operators Name Novo Oil & Gas LLC
 Address 1002 West Wilshire Blvd
 City, State, Zip Oklahoma City OK 73126
 Phone No. 361 658 3126

Permit/RRC No. _____
 Lease/Well Name & No. North Loop
 County _____
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY 20 B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

Adriana Mateo

SIGNATURE

TRANSPORTER

Transporter's Name Pitchfork dirt & Rental LLC
 Address 1407 Huston Rd
Po Box 691 Corlsbad NM 88220
 Phone No. _____

Driver's Name _____
 Print Name _____
 Phone No. _____
 Truck No. 12

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

9/8/22

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28

Site Name/ Red Bluff Facility/ STF-065
 Permit No. _____
 Address 4053 US Highway 295, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l) _____
 Chloride _____

Conductivity (mmhos/cm) _____ pH _____

TANK BOTTOMS

1st Gauge	Feet	Inches
2nd Gauge		
Received		

BS&W/BLS Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one) ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

R360ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292315
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005127	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	RICO & SONS TRUCKING	Well #:	
Driver:	MANUEL	Field:	
Truck #	01	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Name Brayon Haney
Phone No. 361 658 3126

GENERATOR

Operator No. _____
Operators Name Novo Oil & Gas LLC
Address 1001 West Wilshire Blvd
City, State, Zip Oklahoma City OK 73116
Phone No. _____Permit/RRC No. _____
Lease/Well Name & No. Hades
County North Loop
API No. Eddy
Rig Name & No. N/A
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLEP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Rico & Sons
Address Pitchfork dirt & Rental LLC
1907 Huston Rd
Po Box 691 Corlsbad NM.
Phone No. _____Driver's Name Manuel RO
Print Name _____
Phone No. _____
Truck No. 01

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____
Site Name/ Red Bluff Facility/ STF-065
Permit No. _____
Address 5053 US Highway 285, Orla, TX 79770Name/No. 28
Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES NO
Chloride _____
Conductivity (mmhos/cm) _____ pH _____

TANK BOTTOMS

1st Gauge _____
2nd Gauge _____
Received _____BS&W/BBLS Received _____
Free Water _____
Total Received _____

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292362
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005135	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	JOSE	Field:	
Truck #	14	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

4-8



(PLEASE PRINT)

REQUIRED INFORMATION

Name Bryan HoneyPhone No. 361 658 3126

Operator No. _____
 Operators Name Novo OIL + GAS LLC
 Address 1001 West Wilshire Blvd
 City, State, Zip Oklahoma City OK 73126
 Phone No. 361 658 3126

Permit/ARC No. _____
 Lease/Well _____
 Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. _____
 AFE/PO No. N/A

GENERATORNO. 8005135

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	_____	NON-INJECTABLE WATERS Washout Water (Non-Injectable) _____ Completion Fluid/Flow back (Non-Injectable) _____ Produced Water (Non-Injectable) _____ Gathering Line Water/Waste (Non-Injectable) _____ INTERNAL USE ONLY Truck Washout (exempt waste) _____
Oil Based Cuttings	_____	
Water Based Muds	_____	
Water Based Cuttings	_____	
Produced Formation Solids	_____	
Tank Bottoms	_____	
E&P Contaminated Soil	<u>X</u>	OTHER EXEMPT WASTES (type and generation process of the waste) _____ _____
Gas Plant Waste	_____	
WASTE GENERATION PROCESS: <input type="checkbox"/> DRILLING <input type="checkbox"/> COMPLETION <input checked="" type="checkbox"/> PRODUCTION <input type="checkbox"/> GATHERING LINES		

NON-EXEMPT E&P Waste/Service Identification and Amount		
All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity, and reactivity.		
Non-Exempt Other _____	*please select from Non-Exempt Waste List on back	
QUANTITY	B - BARRELS	Y - YARDS
	<u>20</u>	
		E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ **RCRA EXEMPT:** Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ **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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Pitch Fork dirt + Rental LLC
 Address 1407 Haslam Rd
Po Box 691 Carlsbad NM 88220
 Phone No. _____

Driver's Name Jose Gomez
 Print Name _____
 Phone No. _____
 Truck No. 14

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP		DISPOSAL FACILITY	RECEIVING AREA
IN: _____	OUT: _____		Name/No. _____
Site Name/Permit No. <u>Red Bluff Facility/STF-085</u>	Address <u>5053 US Highway 285, Orta, TX 79770</u>	Phone No. <u>432-448-4239</u>	
NORM READINGS TAKEN? (Circle One) <u>YES</u> <u>NO</u> Chloride _____ Chemical Analysis (Mg/l) _____		If YES, was reading > 50 micro roentgens? (circle one) <u>YES</u> <u>NO</u> Conductivity (mmhos/cm) _____ pH _____	

TANK BOTTOMS			
Feet	Inches	BS&W/BBLs Received	BS&W (%)
1st Gauge		Free Water	
2nd Gauge		Total Received	
Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: BRYAN HANEY
AFE #:
PO #:
Manifest #: 8005134
Manif. Date: 4/8/2022
Hauler: PITCHFORK DIRT & RENTAL L
Driver: HOLMON
Truck #: 122
Card #
Job Ref #

Ticket #: 700-1292366
Bid #: O6UJ9A000J90
Date: 4/8/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: HADES NORTH LOOP
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature	R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date: _____



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Bryan Honey
Phone No. 361 658 8126

GENERATOR

NO. 8005134

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Nova OIL + GAS LLC
1001 West Wilshire BlvdOklahoma City OK 73116
361 658 3126

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

North Loop
Eddy

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT WASTES (type and generation process of the waste)	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY (type and generation process of the waste)	_____		
E&P Contaminated Soil	<u>X</u>	Truck Washout (exempt waste)	_____		
Gas Plant Waste	_____				

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☒

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity, and reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

20

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Pitchfork dirt + Rental LLC
1407 Houston Rd
Po Box 691 Carlsbad NM 88220

Driver's Name

Print Name

Phone No.

Truck No.

Holman M Solinas122

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Site Name/

Permit No.

Address

Red Bluff Facility/ STF-0655053 US Highway 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l)

Chloride

Conductivity

(mmhos/cm)

pH

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLS Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292371
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005133	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	ISRALE	Field:	
Truck #	08	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service	Quantity	Units
-------------------	----------	-------

Contaminated Soil (RCRA Exempt)	20.00	yards
---------------------------------	-------	-------

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____


 Name Bryan Honey
 Phone No. 361 658 3126

GENERATOR		NO. 8005133
Operator No. _____	Permit/RRC No. _____	
Operators Name <u>Novo Oil & Gas LLC</u>	Lease/Well Name & No. <u>North Loop</u>	
Address <u>1001 West Wilshire Blvd</u>	County <u>Eddy</u>	
City, State, Zip <u>Oklahoma City OK 73126</u>	API No. _____	
Phone No. _____	Rig Name & No. _____	
	AFE/PO No. _____	

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds _____ Oil Based Cuttings _____ Water Based Muds _____ Water Based Cuttings _____ Produced Formation Solids _____ Tank Bottoms _____ E&P Contaminated Soil <u>X</u> _____ Gas Plant Waste _____	NON-INJECTABLE WATERS Washout Water (Non-Injectable) _____ Completion Fluid/Flow back (Non-Injectable) _____ Produced Water (Non-Injectable) _____ Gathering Line Water/Waste (Non-Injectable) _____ INTERNAL USE ONLY Truck Washout (exempt waste) _____	OTHER EXEMPT WASTES (type and generation process of the waste) _____ _____ _____
WASTE GENERATION PROCESS: <input type="checkbox"/> DRILLING <input type="checkbox"/> COMPLETION <input checked="" type="checkbox"/> PRODUCTION <input type="checkbox"/> GATHERING LINES		

NON-EXEMPT E&P Waste/Service Identification and Amount			
All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TELP), irritability, corrosivity and reactivity.			
Non-Exempt Other _____		*please select from Non-Exempt Waste List on back	
QUANTITY	B - BARRELS	<u>20</u> Y - YARDS	E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER	
Transporter's Name <u>Pico and Son</u> Address <u>Pitchfork dirt & Rental LLC</u> <u>1407 Huston Rd</u> <u>Po Box 691 Carlsbad NM 88220</u> Phone No. _____	Driver's Name <u>Israel Gonzalez</u> Print Name _____ Phone No. _____ Truck No. <u>08</u>

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE _____	DRIVER'S SIGNATURE _____	DELIVERY DATE <u>04-08-22</u>	DRIVER'S SIGNATURE <u>Israel</u>
TRUCK TIME STAMP		DISPOSAL FACILITY	
IN: _____	OUT: _____	RECEIVING AREA	
		Name/No. _____	
Site Name/Permit No. <u>Red Bull Facility ST 2065</u> Address <u>5030 U.S. Highway 285, Ord, OK 73358</u>	Phone No. <u>432-448-4239</u>		
NORM READINGS TAKEN? (Circle One) YES <u>NO</u>		If YES, was reading > 50 micro roentgens? (circle one) YES <u>NO</u>	
Chemical Analysis (Mg/l) _____ Chloride _____		Conductivity (mmhos/cm) _____ pH _____	

TANK BOTTOMS			
Feet	Inches	BS&W/BBLS Received	BS&W (%)
1st Gauge _____	_____	Free Water _____	_____
2nd Gauge _____	_____	Total Received _____	_____

I hereby certify that the above load material has been (circle one) ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292373
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BYRAN HANEY	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005132	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	RUBEN	Field:	
Truck #:	15	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

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:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!Approved By: 

Date: _____



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Bryan HanceyPhone No. 361 668 3126

GENERATOR

NO. 8005132

Operator No. _____

Operators Name Novo OIL + GAS LLCAddress 1001 West Wilshire BlvdCity, State, Zip Oklahoma City OK 73116Phone No. 361 668 3126

Permit/RRC No. _____

Lease/Well _____

Name & No. North LoopCounty Eddy

API No. _____

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____

Oil Based Cuttings _____

Water Based Muds _____

Water Based Cuttings _____

Produced Formation Solids _____

Tank Bottoms _____

E&P Contaminated Soil X

Gas Plant Waste _____

NON-INJECTABLE WATERS

Washout Water (Non-Injectable) _____

Completion Fluid/Flow back (Non-Injectable) _____

Produced Water (Non-Injectable) _____

Gathering Line Water/Waste (Non-Injectable) _____

INTERNAL USE ONLY

Truck Washout (exempt waste) _____

OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☒

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

20

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Puro FSO 15Address Pitchfork dirt + Rental LLC1007 Huston RdPo Box 691 Cordoba NM 88220

Phone No. _____

Driver's Name Ruben Valdivia

Print Name _____

Phone No. _____

Truck No. 15

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

4/8/22

SHIPMENT DATE

Ruben Valdivia

DRIVER'S SIGNATURE

4/8/22

DELIVERY DATE

[Signature]

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____

OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. _____

Site Name/

Permit No. Red Bluff Facility/ STB 065Address 5057 US Highway 285, Opa, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity

(mmhos/cm)

pH

Chemical Analysis (Mg/l) _____

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLS Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: BRYAN HANEY
AFE #:
PO #:
Manifest #: 8005131
Manif. Date: 4/8/2022
Hauler: PITCHFORK DIRT & RENTAL L
Driver: ROGELIO
Truck #: 15
Card #
Job Ref #

Ticket #: 700-1292378
Bid #: O6UJ9A000J90
Date: 4/8/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: HADES NORTH LOOP
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Bryan Honey
Phone No. 361 658 3126**GENERATOR**NO. 8005131

Operator No. _____
 Operators Name Novo OIL + GAS LLC
 Address 1001 west wilshire Blvd
 City, State, Zip Oklahoma City OK 73116
 Phone No. 361 658 3126

Permit/RRC No. _____
 Lease/Well Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS Washout Water (Non-Injectable) _____ Completion Fluid/Flow back (Non-Injectable) _____ Produced Water (Non-Injectable) _____ Gathering Line Water/Waste (Non-Injectable) _____ INTERNAL USE ONLY _____ Truck Washout (exempt waste) _____	OTHER EXEMPT WASTES (type and generation process of the waste) _____
Oil Based Cuttings	_____		
Water Based Muds	_____		
Water Based Cuttings	_____		
Produced Formation Solids	_____		
Tank Bottoms	_____		
E&P Contaminated Soil	<u>X</u>		
Gas Plant Waste	_____		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY 20 B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ
 (PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

Rogelio gonzalez
 SIGNATURE

TRANSPORTER

Transporter's Name Pitchfork dirt + Rental LLC
 Address 1407 Houston Rd
Po Box 691 Carlsbad NM 88220
 Phone No. _____

Driver's Name Rogelio gonzalez
 Print Name _____
 Phone No. _____
 Truck No. 15

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN: _____ OUT: _____

Name/No. _____

Site Name/ Red Bluff Facility/ STF-055
 Permit No. _____
 Address 5053 US Highway 285, Orta, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l)
 Chloride _____
 Conductivity (mmhos/cm) _____
 pH _____

TANK BOTTOMS

1st Gauge _____
 2nd Gauge _____
 Received _____

BS&W/BBLS Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292383
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/8/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005108	Well Ser. #:	999908
Manif. Date:	4/8/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	MANUEL	Field:	
Truck #	01	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Bryan Honey
Phone No. 361 658 3126**GENERATOR**NO. **8005108**

Operator No. _____
 Operators Name Novo Oil & Gas LLC
 Address 1001 West Wilshire Blvd
 City, State, Zip Oklahoma City OK 73116
 Phone No. 361 658 3126

Permit/RRC No. _____
 Lease/Well Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____	
Water Based Muds	_____	Completion Fluid/Flow back (Non-Injectable)	_____	
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____	
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____	
Tank Bottoms	_____	INTERNAL USE ONLY	_____	
E&P Contaminated Soil	<u>X</u>	Truck Washout (exempt waste)	_____	
Gas Plant Waste	_____			

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity, and reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ
 (PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

Transporter's Name Rico & Sons
 Address Pitchfork dirt Rental LLC
1407 Haslen Rd
Po Box 691 Carlisbad NM 88220
 Phone No. _____

TRANSPORTER

Driver's Name Manuel Rico
 Print Name _____
 Phone No. _____
 Truck No. 01

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN: _____ OUT: _____ Name/No. _____

Site Name/ Permit No. Red Bluff Facility/ STF-065
 Address 5053 US Highway 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l) _____
 Chloride _____

Conductivity (mmhos/cm) _____ pH _____

TANK BOTTOMS

1st Gauge _____ Feet _____ Inches _____
 2nd Gauge _____
 Received _____

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: BRYAN HANEY
AFE #:
PO #:
Manifest #: 8005107
Manif. Date: 4/8/2022
Hauler: PITCHFORK DIRT & RENTAL L
Driver: ADRIAN
Truck #: 12
Card #
Job Ref #

Ticket #: 700-1292384
Bid #: O6UJ9A000J90
Date: 4/8/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: HADES NORTH LOOP
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Name Bryan HoneyPhone No. 361 658 3126

GENERATOR

NO. 8005107

Operator No. _____
 Operators Name Nova Oil Gas LLC
 Address 1001 West Wilshire Blvd
 City, State, Zip Oklahoma City OK 73116
 Phone No. _____

Permit/RRC No. _____
 Lease/Well Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	OTHER EXEMPT WASTES (type and identification process of the wastes)	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____		
Water Based Muds	_____	Completion Fluid/Flow back (Non-Injectable)	_____		
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____		
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____		
Tank Bottoms	_____	INTERNAL USE ONLY	_____		
E&P Contaminated Soil	<u>X</u>	Truck Washout (exempt waste)	_____		
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Pitchfork dirt & Rental LLC
 Address 1407 Huston Rd
Po Box 691 Carlisbad NM 88220
 Phone No. _____

Driver's Name Adrian Martinez
 Print Name _____
 Phone No. _____
 Truck No. 12

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 4/18/22 DRIVER'S SIGNATURE Adrian Martinez DELIVERY DATE 4/18/22 DRIVER'S SIGNATURE Adrian Martinez

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. _____

Site Name/ Red Bluff Facility/ STF-065
 Permit No. _____
 Address 5053 US Highway 285, Dora, TX 79720

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l)

Conductivity (mmhos/cm) pH

TANK BOTTOMS

1st Gauge	Feet	Inches	BS&W/BBLs Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: BRYAN HANEY
AFE #:
PO #:
Manifest #: 8005104
Manif. Date: 4/9/2022
Hauler: RICO & SONS TRUCKING
Driver: RUBEN
Truck #: 15
Card #
Job Ref #

Ticket #: 700-1292502
Bid #: O6UJ9A000J90
Date: 4/9/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: HADES NORTH LOOP
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**Approved By: 

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Bryon HorryPhone No. 361-658-3126

GENERATOR

NO. 8005104

Operator No. _____
 Operators Name Novo Oil + Gas LLC
 Address 1001 West Wilshire Blvd
 City, State, Zip Oklahoma City OK 73116
 Phone No. 361-658-3126

Permit/RRC No. _____
 Lease/Well Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS _____ E - EACH _____

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Rico & Sons
Pitchfork dirt Rental LLC
 Address 1907 Hoston Rd
Po Box 691 Carlbad NM 88220
 Phone No. _____

Driver's Name Ruben valdivia
 Print Name _____
 Phone No. _____
 Truck No. 15

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

4/9/22

SHIPMENT DATE

Ruben valdivia

DRIVER'S SIGNATURE

4/9/22

DELIVERY DATE

Ruben

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28

Site Name/ Red Bluff Facility
 Permit No. STF-065
 Address 5050 US Highway 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

Chloride

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Conductivity

(minhos/cm)

pH

Chemical Analysis (Mg/l) _____

TANK BOTTOMS

1st Gauge _____
 2nd Gauge _____
 Received _____

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? _____

[Signature]
 NAME (PRINT)

4/9/22
 DATE

Ree
 TITLE

SIGNATURE



Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: BRYAN HANEY
AFE #:
PO #:
Manifest #: 8005118
Manif. Date: 4/9/2022
Hauler: PITCHFORK DIRT & RENTAL L
Driver: ROGELIO
Truck #: 15
Card #
Job Ref #

Ticket #: 700-1292506
Bid #: O6UJ9A000J90
Date: 4/9/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: HADES NORTH LOOP
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

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☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

 Company Main Contact Information
 Name Bryan Honey
 Phone No. 361-658-3126

GENERATOR

NO. 8005118
 Operator No. _____
 Operators Name Nova Oil & Gas LLC
 Address 1001 west Wilshire Blvd
 City, State, Zip Oklahoma City OK 73116
 Phone No. 361 658 3126

 Permit/RRC No. _____
 Lease/Well Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

 WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

 QUANTITY B - BARRELS 20 Y - YARDS E - EACH

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- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

TRANSPORTER

 Transporter's Name Ditchfork dirt + Rental LLC
 Address 1407 Huston Rd
Po Box 691 Carlsbad NM 88220
 Phone No. _____

 Driver's Name Rogelio
 Print Name _____
 Phone No. 15
 Truck No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 28
 Site Name/ Permit No. Red Bluff Facility/ STF-065
 Address 5053 US Highway 285, Orla, TX 79770

 Phone No. 432-448-4239

 NORM READINGS TAKEN? (Circle One) YES NO
 Chloride _____
 Chemical Analysis (Mg/l) _____

 If YES, was reading > 50 micro roentgens? (circle one) YES NO
 Conductivity (mmhos/cm) _____ pH _____

TANK BOTTOMS

 1st Gauge _____ Feet _____ Inches _____
 2nd Gauge _____
 Received _____

BS&W/BBLs Received		BS&W (%)	
Free Water			
Total Received			

 I hereby certify that the above load material has been (circle one) ACCEPTED 4/9/22 Rec If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292507
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/9/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005106	Well Ser. #:	999908
Manif. Date:	4/9/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	JOSE	Field:	
Truck #	14	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
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☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Bryan Haney
Phone No. 361 658 3126

GENERATOR

NO. 8005106Operator No. _____
Operators Name Nova Oil + Gas LLC
Address 1001 West Wilshire Blvd
City, State, Zip Oklahoma City OK 73116
Phone No. 361 658 3126Permit/RRC No. _____
Lease/Well _____
Name & No. North Loop
County Eddy
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS _____ E - EACH _____

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Pitchfork dirt + Rental LLC
Address 1407 Haslon Rd
Po Box 691 Carlisle NM 88220
Phone No. _____Driver's Name Jase Gomez
Print Name _____
Phone No. _____
Truck No. 14

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 50101Site Name/ Red Bluff Facility/ STP 065
Permit No. _____
Address 5053 US Highway 285, Orlo, TX 79070Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

Chloride

If YES, was reading > 50 micro roentgens? (circle one) YES NO

Conductivity (mmhos/cm) _____ pH _____

Chemical Analysis (Mg/l)

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BDLS Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

(NAME) (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292513
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/9/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005136	Well Ser. #:	999908
Manif. Date:	4/9/2022	Well Name:	HADES NORTH LOOP
Hauler:	Castillos Trucking	Well #:	
Driver:	ISRAEL	Field:	
Truck #	8	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service	Quantity Units
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Contaminated Soil (RCRA Exempt)	20.00 yards
---------------------------------	-------------

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



NIM
W

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Co. Page 188 of 391

Name Bryan Honey

Phone No. 361 658 3120

GENERATOR

NO. 8005136

Operator No. _____
 Operators Name NOVO OIL & GAS, LLC
 Address 1001 West Wilshire Blvd
 City, State, Zip Oklahoma City, OK 73116
 Phone No. _____

Permit/RRC No. Hades
 Lease/Well Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. N/A
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Pickup and Rent LLC
 Address 1907 Houston Rd
Po Box 691 Corbush NM 88220
 Phone No. _____

Driver's Name Israel Gonzalez
 Print Name _____
 Phone No. _____
 Truck No. 8

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 28

Site Name/ Red Bluff Facility / STR-085
 Permit No. 55515 Highway 285, Ocala, FL 32711
 Address Halfway

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO
 Chloride _____
 Conductivity (mmhos/cm) _____ pH _____

Chemical Analysis (Mg/l) _____

TANK BOTTOMS

1st Gauge _____
 2nd Gauge _____
 Received _____

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

TRANSFER (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292516
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/9/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005137	Well Ser. #:	999908
Manif. Date:	4/9/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	ADRIANA	Field:	
Truck #:	12	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Name Bryan Heney
Phone No. 361 658 3126

GENERATOR

NO. 8005137

Operator No. _____
Operators Name Novo Oil & Gas LLC
Address 1002 West Wilshire Blvd
City, State, Zip Oklahoma City OK 73116
Phone No. 361 658 3126Permit/RRC No. _____
Lease/Well Name & No. North Loop
County Eddy
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards).

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ
(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

Adriana Matamoros
SIGNATURE

TRANSPORTER

Transporter's Name Ditchforks dirt + Rental LLC
Address 1407 Huston Rd
Po Box 691 Corralitos NM 88126
Phone No. _____Driver's Name Adriana Matamoros
Print Name _____
Phone No. _____
Truck No. 12

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

4/9/22 Adriana Matamoros
SHIPMENT DATE DRIVER'S SIGNATURE4/9/22 Adriana Matamoros
DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28Site Name/ Permit No. Red Bluff Facility/ STN-065
Address 9053 US Highway 295, Ocho, TX 79770Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒

Chloride

If YES, was reading > 50 micro roentgens? (circle one) YES ☐ NO ☐
Conductivity (mmhos/cm) _____ pH _____

Chemical Analysis (Mg/l) _____

TANK BOTTOMS

1st Gauge _____
2nd Gauge _____
Received _____BS&W/BBLs Received _____
Free Water _____
Total Received _____I hereby certify that the above load material has been (circle one) ACCEPTED ☒ DENIED ☐ If denied, why? _____[Signature]
NAME (PRINT)4/9/22
DATE[Signature]
TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292518
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/9/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005138	Well Ser. #:	999908
Manif. Date:	4/9/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	HOLMON	Field:	
Truck #	122	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Name Bryan HaneyPhone No. 361 658 3126**GENERATOR**NO. 8005138

Operator No. _____
 Operators Name Novo OIL & GAS LLC
 Address 1001 West Wilshire Blvd
 City, State, Zip Oklahoma City OK 73116
 Phone No. 361 658 3126

Permit/RRC No. _____
 Lease/Well Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO BONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Pitchfork dirt & Rental LLC
 Address 1407 Houston Rd
Po Box 691 Carlsbad NM 88220
 Phone No. _____

Driver's Name Holman Saling
 Print Name _____
 Phone No. 122
 Truck No. 122

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN: _____ OUT: _____

Name/No. 28

Site Name/ Red Bluff Facility/ STF-065
 Permit No. _____
 Address 5053 US Highway 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (circle one) YES NO

Chloride

Conductivity

Chemical Analysis (Mg/l)

(mmhos/cm)

pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLS Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED 4/9/22 Dec Dec If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292522
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANE	Date:	4/9/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005139	Well Ser. #:	999908
Manif. Date:	4/9/2022	Well Name:	HADES NORTH LOOP
Hauler:	RICO & SONS TRUCKING	Well #:	
Driver:	MANUEL	Field:	
Truck #:	01	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- ☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



TEXAS NON-HAZARDOUS OIL FIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

 Company Man Cont. Information
 Name Bryan Honey
 Phone No. 361 658 3126

GENERATOR

 Operator No. _____
 Operators Name NOVO OIL & GAS LLC
 Address 1007 West Euclid Blvd 73116
 City, State, Zip Oklahoma City OK 73116
 Phone No. _____

 Permit/RRC No. _____
 Lease/Well Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. N/A
 AFE/PO No. _____

 NO. 8005139
Hades

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

 WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

 QUANTITY 20 B - BARRELS 20 Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

 Transporter's Name Rico & Sons
 Address Ditch Forks dirt + Rental
1407 Heston Rd
Po Box 691 Corlsbad NM 88220
 Phone No. _____

 Driver's Name Manuel Rico
 Print Name _____
 Phone No. _____
 Truck No. 01

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

 Site Name/ Permit No. Red Bluff Facility/ STF-065
 Address 5053 US Highway 285, Orla, TX 79770

 Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

 Chemical Analysis (Mg/l) _____
 Chloride _____

Conductivity (mmhos/cm) _____ pH _____

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLs Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292523
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/9/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005140	Well Ser. #:	999908
Manif. Date:	4/9/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	GERARDO	Field:	
Truck #:	15	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



GENERATOR

NO. 8005140

Operator No. _____

Operators Name Novo Oil & Gas LLCAddress 1001 West Wilshire BlvdCity, State, Zip Oklahoma City, OK 73116Phone No. 361 658 3126

Permit/RRC No. _____

Lease/Well _____

Name & No. North LoopCounty Eddy

API No. _____

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☒

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒

RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐

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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐

MSDS Information

☐

RCRA Hazardous Waste Analysis

☐

Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Pitchfork dirt + Rental LLCAddress 1907 Hoston RdPo Box 691 Carlsbad NM 88220

Phone No. _____

Driver's Name Gerardo Vongal

Print Name _____

Phone No. _____

Truck No. 15

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____

OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility/ STF-065Address 5053 US Highway 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l) _____

Conductivity (mmhos/cm)

pH

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&W/BBLs Received

BS&W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? _____

(PRINT)

DATE

TITLE

SIGNATURE



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292546
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/9/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005149	Well Ser. #:	999908
Manif. Date:	4/9/2022	Well Name:	HADES NORTH LOOP
Hauler:	RICO & SONS TRUCKING	Well #:	
Driver:	RUBEN	Field:	
Truck #:	15	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!Approved By: 

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information Name Bryan HoneyPhone No. 361 658 3126

GENERATOR

NO. 8005149

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

Noro OIL + GAS LLC1001 West Wilshire BlvdOklahoma City OK 73116361 658 3126HadesNorth LoopEddyN/A

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☒

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

20

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒

RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐

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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐

MSDS Information

☐

RCRA Hazardous Waste Analysis

☐

Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

Transporter's

Name

Address

Phone No.

TRANSPORTER

Driver's Name

Print Name

Phone No.

Truck No.

Rico & SonsPitchfork Dirt + Rental LLC1407 Heston RdPo Box 691 Carlsbad NM 88220Ruben Valdivia15

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

4/9/22

SHIPMENT DATE

Ruben Valdivia

DRIVER'S SIGNATURE

4/9/22

DELIVERY DATE

[Signature]

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

28

Site Name/

Permit No.

Address

Red Bluff Facility, STP-0855055 US Highway 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity

(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLS Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292550
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/9/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005148	Well Ser. #:	999908
Manif. Date:	4/9/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	ROGELIO	Field:	
Truck #:	15	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

A handwritten signature in dark ink, appearing to read "Rogelio Jones", is written over a horizontal line.

A handwritten signature in dark ink, consisting of stylized initials, is written over a horizontal line.

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

Name: Bryan Haney
Phone No. 361 658 3126

GENERATOR

NO. 8005148Operator No. _____
Operators Name: Novo Oil & Gas LLC
Address: 1001 West Wilshire Blvd
City, State, Zip: Oklahoma City OK 73116
Phone No.: 361 658 3126Permit/RRC No. _____
Lease/Well Name & No.: North Loop
County: Eddy
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS _____ E - EACH _____

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ
(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

Rogelio GARCES
SIGNATURE

TRANSPORTER

Transporter's Name: Pitchfork Dirt + Rental LLC
Address: 1407 Huston Rd
Po Box 691 Carlisbad NM 88220
Phone No. _____Driver's Name: ROGELIO GARCES
Print Name: _____
Phone No. _____
Truck No. 15

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 28Site Name/ Permit No.: Red Bluff Facility/STF-065
Address: 5053 US Highway 285, Orla, TX 79758Phone No.: 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l) _____
Chloride _____

Conductivity (mmhos/cm) _____ pH _____

TANK BOTTOMS

1st Gauge _____
2nd Gauge _____
Received _____

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292552
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/9/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005147	Well Ser. #:	999908
Manif. Date:	4/9/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	JOSE	Field:	
Truck #	14	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:



(PLEASE PRINT)

REQUIRED INFORMATION

Name Bryan HaneyPhone No. 361 658 3126**GENERATOR**

Operator No. _____
 Operators Name Novo Oil & Gas LLC
 Address 1001 West Wilshire Blvd
 City, State, Zip Oklahoma City OK 73126
 Phone No. 361 658 3126

Permit/RRC No. HADES
 Lease/Well Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. N/A
 AFE/PO No. _____

NO. 8005147

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Pitch Fork Drill & Rental LLC
 Address 1407 Huston Rd
Po Box 691 Carlsbad NM 88220
 Phone No. _____

Driver's Name José Gomez
 Print Name _____
 Phone No. _____
 Truck No. 14

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

4-9-22

DELIVERY DATE

José Gomez

DRIVER'S SIGNATURE

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN: _____ OUT: _____

Name/No. 28

Site Name/ Red Bluff Facility/ STF-065
 Permit No. Halfway
 Address 5053 US Highway 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO
 Chloride _____
 Conductivity (mmhos/cm) _____ pH _____
 Chemical Analysis (Mg/l) _____

TANK BOTTOMS

1st Gauge _____
 2nd Gauge _____
 Received _____

BS&W/BBLS Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

Orlando Gonzalez

(NAME (PRINT))

4/9/22

DATE

José Gomez

SIGNATURE

Orlando Gonzalez

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292557
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/9/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005150	Well Ser. #:	999908
Manif. Date:	4/9/2022	Well Name:	HADES NORTH LOOP
Hauler:	RICO & SONS TRUCKING	Well #:	
Driver:	ISRAEL	Field:	
Truck #	08	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT) *REQUIRED INFORMATION

Company Manifest Information

Name Bryan Honey
Phone No. _____

GENERATOR

NO. 8005150

Operator No. _____
Operators Name Novo C.I. gas LLC
Address 1001 West Wilshire Blvd
City, State, Zip Oklahoma city OK 73116
Phone No. _____

Permit/RRC No. Hades
Lease/Well North Loop
Name & No. eddy
County W/A
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Rice and Sons
Address Pitchfork
Phone No. _____

Driver's Name Israel G/L
Print Name _____
Phone No. _____
Truck No. 08

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 28

Site Name/ Red Bluff Facility
Permit No. STF-065
Address 5699 US Highway 285, Opa, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity

(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

Feet

Inches

1st Gauge _____
2nd Gauge _____
Received _____

BS&W/BBLs Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

(NAME (PRINT))

DATE

FILE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292561
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	ORLANDO	Date:	4/9/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	GONZALES	Well Ser. #:	999908
Manif. Date:	4/9/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	ADRIANA	Field:	
Truck #	2	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- ☐ 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 above)

Driver/ Agent Signature

A handwritten signature in black ink, appearing to read "Adriana", written over a horizontal line.

R360 Representative Signature

A handwritten signature in black ink, written over a horizontal line.

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



N.M.

(PLEASE PRINT)

REQUIRED INFORMATION

Name Brycen HumePhone No. 361 658 3126

GENERATOR

NO. 8005146

Operator No. _____
 Operators Name Novo Oil + Gas LLC
 Address 1001 West Wilshire Blvd
 City, State, Zip Oklahoma City OK 73116
 Phone No. 361 658 3126

Permit/RRC No. _____
 Lease/Well Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

		NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
		Washout Water (Non-Injectable)	
Oil Based Muds		Completion Fluid/Flow back (Non-Injectable)	
Oil Based Cuttings		Produced Water (Non-Injectable)	
Water Based Muds		Gathering Line Water/Waste (Non-Injectable)	
Water Based Cuttings		INTERNAL USE ONLY	
Produced Formation Solids		Truck Washout (exempt waste)	
Tank Bottoms			
E&P Contaminated Soil	X		
Gas Plant Waste			

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS _____ E - EACH _____

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ
 (PRINT) AUTHORIZED AGENT'S SIGNATURE

4/9/22
 DATE

Adriana Matamoros
 SIGNATURE

TRANSPORTER

Transporter's Name Pitchfork Dirt + Rental LLC
 Address 1407 Huston Rd
Po Box 691 Carlsbad NM 88220
 Phone No. _____

Driver's Name Adriana Matamoros
 Print Name _____
 Phone No. _____
 Truck No. 2

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

4/9/22
 SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28

Site Name/ Permit No. Red Bluff Facility/ STE-065
 Address 5053 US Highway 285, Ocala, FL 32770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐

Chloride

If YES, was reading > 50 micro roentgens? (circle one) YES ☐ NO ☐

Conductivity

(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one): ☒ ACCEPTED ☐ DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

R360ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: BRYAN HANEY
AFE #:
PO #:
Manifest #: 8005145
Manif. Date: 4/9/2022
Hauler: FULTONS OILFIELD
Driver: HOLMAN
Truck #: 122
Card #
Job Ref #

Ticket #: 700-1292564
Bid #: O6UJ9A000J90
Date: 4/9/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: HADES NORTH LOOP
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

 Company Man Contact Information
 Name: Bryan Haney
 Phone No. 361 658 5126

GENERATOR

 Operator No. _____
 Operators Name Nova OIL & GAS LLC
 Address 1001 West Wilshire Blvd
 City, State, Zip Oklahoma City OK 73116
 Phone No. 361 658 5126

 Permit/RRC No. _____
 Lease/Well _____
 Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. N/A
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation priorities of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

 WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

 QUANTITY _____ B - BARRELS 20 Y - YARDS _____ E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ
 (PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

 Transporter's Name Fultens
 Address Richfork dirt + Rental
1407 Huston Rd
Po Box 691 Carlsbad NM 88220
 Phone No. _____

 Driver's Name Holmes Selina
 Print Name _____
 Phone No. 122
 Truck No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 28
 Site Name/ Red Bluff Facility/ STE-065
 Permit No. _____
 Address 5053 US Highway 285, Orla, TX 79770

 Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (circle one) YES NO

Chloride

Conductivity

Chemical Analysis (Mg/l)

(mmhos/cm)

pH

TANK BOTTOMS

 1st Gauge _____
 2nd Gauge _____
 Received _____

BS&W/BLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

(NAME (PRINT))

DATE

TIME

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1

R360ENVIRONMENTAL
SOLUTIONS

Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292567
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/9/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005153	Well Ser. #:	999908
Manif. Date:	4/9/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	GERARDO	Field:	
Truck #:	15	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

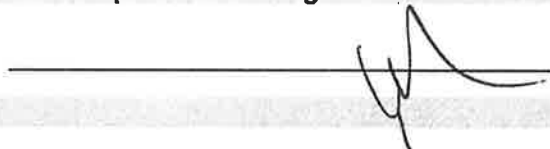
Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature



Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____


 Company Man Contact Information
 Name Bryan Hene
 Phone No. 361 658 3126

GENERATOR

 Operator No. _____
 Operators Name Novo OIL & GAS LLC
 Address 1002 West Wilshire Blvd
 City, State, Zip Oklahoma City Ok 73116
 Phone No. 361 658 3126

 Permit/RRC No. _____
 Lease/Well _____
 Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. N/A
 AFE/PO No. _____

 NO. 8005153
Hades

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

 WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

 QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

 Transporter's Name Pitchfork dirt & Rental LLC
 Address 1407 Hayton Rd
Po Box 691 Carlsbad NM 88220
 Phone No. _____

 Driver's Name Gerardo Vargas
 Print Name _____
 Phone No. _____
 Truck No. 15

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

 Site Name/ Red Bluff Facility/ 317-865
 Permit No. _____
 Address 6053 US Highway 265, Oriskany, TX 75770
Halfway

 Name/No. 28
 Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

Chloride

If YES, was reading > 50 micro roentgens? (circle one) YES NO

Conductivity (mmhos/cm) _____ pH _____

Chemical Analysis (Mg/l) _____

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLS Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



Permian Basin

Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: BYRON HANEY
AFE #:
PO #:
Manifest #: 8005142
Manif. Date: 4/9/2022
Hauler: RICO & SONS TRUCKING
Driver: MANUEL
Truck #: 01
Card #
Job Ref #

Ticket #: 700-1292572
Bid #: O6UJ9A000J90
Date: 4/9/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: HADES NORTH LOOP
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

 Company Man
 Name Bryan Haney
 Phone No. 361 658 3126

GENERATOR

NO. 8005142
 Operator No. _____
 Operators Name Nova Oil & Gas LLC
 Address 1001 West Wilshire Blvd
 City, State, Zip Oklahoma City OK 73116
 Phone No. 361 658 3126

 Permit/RRC No. _____
 Lease/Well Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

 WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

 QUANTITY _____ B - BARRELS 20 Y - YARDS _____ E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ
 (PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

 Transporter's Name Rico & Sons
Pitchfork dirt & Rental LLC
 Address 1407 Huston Rd
Po Box 691 Carlshad NM 88220
 Phone No. _____

 Driver's Name Manuel Rico
 Print Name _____
 Phone No. _____
 Truck No. 01

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 28
 Site Name/ Permit No. Red Bluff Facility/ STF-065
 Address 5053 US Highway 285, Orla, TX 79770

 Phone No. 432-448-4239
NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒

Chloride

If YES, was reading > 50 micro roentgens? (circle one) YES ☐ NO ☐
 Conductivity (mmhos/cm) _____
 pH _____

Chemical Analysis (Mg/l) _____

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLs Received		BS&W (%)	
Free Water			
Total Received			

 I hereby certify that the above load material has been (circle one): ACCEPTED ☒ DENIED ☐ If denied, why? _____

(BASE PRINT)

DATE

TIME

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292588
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/9/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005154	Well Ser. #:	999908
Manif. Date:	4/9/2022	Well Name:	HADES NORTH LOOP
Hauler:	RICO & SONS TRUCKING	Well #:	
Driver:	RUBEN	Field:	
Truck #:	15	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:


☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: Date: 



HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Main Contact Information

Name Bryan Honey
Phone No. 361 658 3126

GENERATOR

NO. 8005154Operator No. _____
Operators Name Noro OIL & GAS LLC
Address 1001 West Washburn Blvd
City, State, Zip Oklahoma City OK 73116
Phone No. 361 658 3126Permit/RRC No. _____
Lease/Well Name & No. Hades North Loop Eddy
County _____
API No. _____
Rig Name & No. N/A
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Rico & Sons
Name Pitchfork dirt & Rental LLC
Address 1407 Hoston Rd
Po Box 692 Carlsbad NM 88220
Phone No. _____Driver's Name Ruben Valdivia
Print Name _____
Phone No. _____
Truck No. 15

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

4/9/22 Ruben Valdivia

4/9/22 [Signature]

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28Site Name/ Permit No. Red Bluff Facility / STF-065
Address 5053 US Highway 289, Orla, TX 79770Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES NO
Chloride _____If YES, was reading > 50 micro roentgens? (circle one) YES NO
Conductivity (mmhos/cm) _____ pH _____

Chemical Analysis (Mg/l) _____

TANK BOTTOMS

1st Gauge _____
2nd Gauge _____
Received _____

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

[Signature]

4/9

[Signature]

[Signature]

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292590
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	ORLANDO GONZALES	Date:	4/9/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005156	Well Ser. #:	999908
Manif. Date:	4/9/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	ROGELIO	Field:	
Truck #	15	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

A handwritten signature in cursive script, appearing to read "Rogelio Gonzales", written over a horizontal line.

A handwritten signature in cursive script, written over a horizontal line.

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



GENERATOR

NO. 8005156

Operator No. _____
 Operators Name Novo OIL+GAS LLC
 Address 1001 West Wilshire Blvd
 City, State, Zip Oklahoma City OK 73116
 Phone No. 361 658 3126

Permit/RRC No. _____
 Lease/Well Name & No. North Loop
 County Eddy
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY 20 B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ
 (PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

Rogelio GARCES
 SIGNATURE

TRANSPORTER

Transporter's Name Pitchfork dirt + rental. LLC
 Address 1407 Huston Rd
Po Box 691 Corbitt NM 88220
 Phone No. _____

Driver's Name ROGELIO GARCES
 Print Name _____
 Phone No. _____
 Truck No. 15

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 296

Site Name/ Red Bluff Facility/ STF-065
 Permit No. _____
 Address 5053 US Highway 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chemical Analysis (Mg/l)
 Chloride _____

Conductivity (mmhos/cm) _____ pH _____

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLs Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

MANIFEST (PRINT)

DATE

TITLE

SIGNATURE



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292591
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	ORLANDO GONZALES	Date:	4/9/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005157	Well Ser. #:	999908
Manif. Date:	4/9/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	JOSE	Field:	
Truck #	14	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

*REQUIRED INFORMATION

Company Man Contact Information

Name Dryan Honey
Phone No. 361 658 3120

GENERATOR

NO. 8005157Operator No. _____
Operators Name Nova OIL + GAS LLC
Address 1001 West Wilshire Blvd
City, State, Zip Oklahoma City OK 73126
Phone No. 361 658 3120Permit/RRC No. _____
Lease/Well Name & No. HADES North Loop
County Eddy
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Pitch Fork dirt + Rental LLC
Address 1407 Huston Rd
Po Box 691 Carlsbad NM 88220
Phone No. _____Driver's Name Jose Gomez
Print Name _____
Phone No. _____
Truck No. 14

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28Site Name/ Permit No. Red Bluff Facility/ STF-065
Address 5053 US Highway 285, Orla, TX 79770Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒

Chloride

Chemical Analysis (Mg/l) _____

If YES, was reading > 50 micro roentgens? (circle one) YES ☐ NO ☒

Conductivity

(mmhos/cm) _____

pH _____

TANK BOTTOMS

1st Gauge _____
2nd Gauge _____
Received _____

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED ☒ DENIED ☐ If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292599
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	ORLANDO GONZALES	Date:	4/9/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005162	Well Ser. #:	999908
Manif. Date:	4/9/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	ADRIANA	Field:	
Truck #	21	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	20.00 yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Bryan HoneyPhone No. 361 658 3126

GENERATOR

NO. 8005162

Operator No.

Operators Name

Noro OIL & GAS LLC

Address

1001 West Wilshire Blvd

City, State, Zip

Oklahoma City OK 73116

Phone No.

361 658 3126

Permit/RRC No.

Lease/Well

Name & No.

North Loop

County

Eddy

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☒

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCIP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

200 Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.



RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)



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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information

RCRA Hazardous Waste Analysis



Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

4/9/22

DATE

Orlando Matamoros

SIGNATURE

TRANSPORTER

Transporter's

Name

Pitch Fork dirt + Rental LLC

Address

1407 Huston RdPo Box 691 Corsbard NM 88220

Phone No.

Driver's Name

Adriana Matamoros

Print Name

Phone No.

Truck No.

21

I hereby certify that the above named materials was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

4/9/22

SHIPMENT DATE

DRIVER'S SIGNATURE

4/9/22

DELIVER DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

28

Site Name/

Permit No.

Red Bluff Facility/ STF-065

Address

5033 US Highway 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Conductivity

(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLS Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

(NAME) (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: BRYAN HANEY
AFE #:
PO #:
Manifest #: 8005161
Manif. Date: 4/9/2022
Hauler: RICO & SONS TRUCKING
Driver: ISRAEL
Truck #: 08
Card #
Job Ref #

Ticket #: 700-1292600
Bid #: O6UJ9A000J90
Date: 4/9/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: HADES NORTH LOOP
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



N1V1

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Name Bryan HancyPhone No. 361 658 3126

GENERATOR

NO. 8005161

Operator No.

Operators Name

Novo Oil & Gas LLC

Address

1001 West Wilshire Blvd

City, State, Zip

Oklahoma City OK 73116

Phone No.

361 658 3126

Permit/RRC No.

Lease/Well

Name & No.

North Loop

County

Edley

API No.

Rig Name & No.

n/a

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS:



DRILLING



COMPLETION



PRODUCTION



GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

20

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.



RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)



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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)



MSDS Information



RCRA Hazardous Waste Analysis



Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Pico and Sons
Pitchfork dirt & Rental LLC

Address

1407 Huston Rd
Po Box 691 Carlsbad NM 88220

Phone No.

Driver's Name

Israul Gonzales

Print Name

Phone No.

Truck No.

08

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Site Name/

Red Bluff Facility STF-045

Permit No.

Address

5893 US Highway 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity

(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLS Received

BS&W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

(PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292602
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/9/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005160	Well Ser. #:	999908
Manif. Date:	4/9/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	HOLMON	Field:	
Truck #:	122	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Name Bryan HaneyPhone No. 361 658 3126**GENERATOR**NO. 8005160

Operator No. _____
 Operators Name Novo Oil + Gas LLC
 Address 1001 West W. Ishire Blvd
 City, State, Zip Oklahoma City, OK 73116
 Phone No. 361 658 3126

Permit/RRC No. _____
 Lease/Well Name & No. North Loop Eddy
 County _____
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil <u>X</u>	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

-All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY 20 B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Pitchforks dirt + Rental LLC
 Address 1407 Huston Rd
Po Box 691 Carlsbad NM 88220
 Phone No. _____

Driver's Name Holman Salinas
 Print Name _____
 Phone No. 199
 Truck No. 2000

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN: _____ OUT: _____

Name/No. 28

Site Name/ Red Bluff Facility/ STF-065
 Permit No. _____
 Address 5053 US Highway 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro rontgens? (circle one) YES NO

Chloride

Conductivity

(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

1st Gauge _____
 2nd Gauge _____
 Received _____

BS&W/BLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED 4/9/22 Dec If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: BRYAN HANEY
AFE #:
PO #:
Manifest #: 8005159
Manif. Date: 4/9/2022
Hauler: RICO & SONS TRUCKING
Driver: MANUEL
Truck #: 01
Card #
Job Ref #

Ticket #: 700-1292604
Bid #: O6UJ9A000J90
Date: 4/9/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: HADES NORTH LOOP
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Name Bryan Honey
Phone No. 361 658 3126**GENERATOR**NO. 8005159

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

Nova OIL + GAS LLC1001 West Walshe BlvdOklahoma City OK 73116361 658 3126North loopEddy**EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)**

Oil Based Muds		NON-INJECTABLE WATERS		OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings		Washout Water (Non-Injectable)		
Water Based Muds		Completion Fluid/Flow back (Non-Injectable)		
Water Based Cuttings		Produced Water (Non-Injectable)		
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)		
Tank Bottoms		INTERNAL USE ONLY		
E&P Contaminated Soil	<u>X</u>	Truck Washout (exempt waste)		
Gas Plant Waste				

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☒

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

20 Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.



RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)



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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)



MSDS Information



RCRA Hazardous Waste Analysis



Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Rico & Son's
Ditchfork dirt + Rental
1407 Hoston Rd
Po Box 691 Carlsbad NM 88220

Driver's Name

Print Name

Phone No.

Truck No.

Manuel Rico01

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY**RECEIVING AREA**

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility/ STF-0655053 US Highway 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity

(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

[Signature]4/9/22[Signature]

DATE (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1292608
Customer #:	CRI4317	Bid #:	O6UJ9A000J90
Ordered by:	BRYAN HANEY	Date:	4/9/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	8005158	Well Ser. #:	999908
Manif. Date:	4/9/2022	Well Name:	HADES NORTH LOOP
Hauler:	PITCHFORK DIRT & RENTAL L	Well #:	
Driver:	GERARDO	Field:	
Truck #	15	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I 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:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ 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 above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Bryan HancyPhone No. 361 658 3126

GENERATOR

NO. 8005158

Operator No.

Operator's Name

Novo OIL GAS LLC

Address

1001 West Wilshire Blvd

City, State, Zip

Oklahoma City OK 73116

Phone No.

361 658 3126

Permit/RRC No.

Lease/Well

Name & No.

North Loop

County

Eddy

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☒

PRODUCTION

☐

GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCPL), ignitability, Corrosivity and Reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

20

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒

RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐

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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐

MSDS Information

☐

RCRA Hazardous Waste Analysis

☐

Other (Provide Description Below)

ORLANDO GONZALEZ

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Ditchforks dirt + Rental LLC

Address

1407 Haslam RdPo Box 691 Carlsbad NM 88220

Phone No.

Driver's Name

Gerardo Vazquez

Print Name

Phone No.

Truck No.

15

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No.

28

Site Name/

Permit No.

Red Bluff Facility/ STF-065

Address

5053 US Highway 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

Chloride

Conductivity

(mmhos/cm)

pH

Chemical Analysis (Mg/l)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLS Received

BS&W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

Version 1



APPENDIX H
Laboratory Analytical Data Reports

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 12, 2022

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO HADES NORTH LOOP

Enclosed are the results of analyses for samples received by the laboratory on 04/26/22 16:27.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB - 2 (0-1)	H221714-01	Soil	25-Apr-22 09:09	26-Apr-22 16:27
SB - 2 (2-3)	H221714-03	Soil	25-Apr-22 09:11	26-Apr-22 16:27
SB - 2 (5-6)	H221714-05	Soil	25-Apr-22 09:13	26-Apr-22 16:27
SB - 2 (7-8)	H221714-06	Soil	25-Apr-22 09:14	26-Apr-22 16:27
SB - 3 (0-1)	H221714-10	Soil	25-Apr-22 09:41	26-Apr-22 16:27
SB - 3 (2-3)	H221714-12	Soil	25-Apr-22 09:43	26-Apr-22 16:27
SB - 3 (3-4)	H221714-13	Soil	25-Apr-22 09:45	26-Apr-22 16:27
SB - 3 (5-6)	H221714-14	Soil	25-Apr-22 09:47	26-Apr-22 16:27
SB - 4 (0-1)	H221714-19	Soil	25-Apr-22 10:40	26-Apr-22 16:27
SB - 4 (2-3)	H221714-21	Soil	25-Apr-22 10:42	26-Apr-22 16:27
SB - 4 (3-4)	H221714-22	Soil	25-Apr-22 10:43	26-Apr-22 16:27
SB - 4 (5-6)	H221714-23	Soil	25-Apr-22 10:44	26-Apr-22 16:27
SB - 5 (0-1)	H221714-28	Soil	25-Apr-22 11:13	26-Apr-22 16:27
SB - 5 (2-3)	H221714-30	Soil	25-Apr-22 11:15	26-Apr-22 16:27
SB - 5 (5-6)	H221714-32	Soil	25-Apr-22 11:18	26-Apr-22 16:27
SB - 6 (0-1)	H221714-37	Soil	25-Apr-22 11:59	26-Apr-22 16:27
SB - 6 (2-3)	H221714-39	Soil	25-Apr-22 12:01	26-Apr-22 16:27
SB - 6 (5-6)	H221714-41	Soil	25-Apr-22 12:04	26-Apr-22 16:27
SB - 7 (0-1)	H221714-46	Soil	25-Apr-22 13:01	26-Apr-22 16:27
SB - 7 (2-3)	H221714-48	Soil	25-Apr-22 13:03	26-Apr-22 16:27
SB - 7 (3-4)	H221714-49	Soil	25-Apr-22 13:04	26-Apr-22 16:27
SB - 7 (5-6)	H221714-50	Soil	25-Apr-22 13:07	26-Apr-22 16:27
SB - 7 (7-8)	H221714-51	Soil	25-Apr-22 13:08	26-Apr-22 16:27
SB - 8 (0-1)	H221714-55	Soil	25-Apr-22 13:42	26-Apr-22 16:27
SB - 8 (2-3)	H221714-57	Soil	25-Apr-22 13:44	26-Apr-22 16:27
SB - 8 (5-6)	H221714-59	Soil	25-Apr-22 13:51	26-Apr-22 16:27
SB - 8 (7-8)	H221714-60	Soil	25-Apr-22 13:52	26-Apr-22 16:27

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 9 (0-1)	H221714-64	Soil	25-Apr-22 13:28	26-Apr-22 16:27
SB - 9 (2-3)	H221714-66	Soil	25-Apr-22 13:30	26-Apr-22 16:27
SB - 10 (0-1)	H221714-73	Soil	25-Apr-22 13:23	26-Apr-22 16:27

05/04/22 - Client added Chlorides on 05/02/22 (See COC). This is the revised report with the additional data.

05/05/22 - Client added Chlorides on 05/04/22 (See COC). This is the 2nd revision of the report and will replace the one sent on 05/04/22.

05/10/22 - Client added Chlorides on 05/06/22 (See COC). This is the 3rd revision of the report and will replace the one sent on 05/05/22.

05/12/22 - Client added Chlorides on 05/10/22 (See COC). This is the 4th revision of the report and will replace the one sent on 05/10/22.

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 2 (0-1)**H221714-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	1650		16.0	mg/kg	4	2042811	GM	28-Apr-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctane			79.7 %	66.9-136		2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			79.5 %	59.5-142		2042702	CK/	27-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Surrogate: Dibromofluoromethane			99.1 %	84-115		2042710	MS	28-Apr-22	8260B	
Surrogate: Toluene-d8			103 %	95.3-106		2042710	MS	28-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			98.6 %	85.1-109		2042710	MS	28-Apr-22	8260B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 2 (2-3)**H221714-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	--------------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	2050303	GM	03-May-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 2 (5-6)**H221714-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	800		16.0	mg/kg	4	2051120	GM	11-May-22	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal'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 client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 2 (7-8)**H221714-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	--------------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2051120	GM	11-May-22	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 3 (0-1)**H221714-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	6240		16.0	mg/kg	4	2042811	GM	28-Apr-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctane			93.7 %	66.9-136		2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			94.6 %	59.5-142		2042702	CK/	27-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Surrogate: Dibromofluoromethane			98.9 %	84-115		2042710	MS	28-Apr-22	8260B	
Surrogate: Toluene-d8			100 %	95.3-106		2042710	MS	28-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			101 %	85.1-109		2042710	MS	28-Apr-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 3 (2-3)**H221714-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	2560		16.0	mg/kg	4	2050303	GM	03-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 3 (3-4)**H221714-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1410		16.0	mg/kg	4	2050512	AC	05-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 3 (5-6)**H221714-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	176		16.0	mg/kg	4	2050512	AC	05-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 4 (0-1)**H221714-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	6800		16.0	mg/kg	4	2042811	GM	28-Apr-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctane			92.6 %	66.9-136		2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			93.5 %	59.5-142		2042702	CK/	27-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Surrogate: Dibromofluoromethane			100 %	84-115		2042710	MS	28-Apr-22	8260B	
Surrogate: Toluene-d8			101 %	95.3-106		2042710	MS	28-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			95.7 %	85.1-109		2042710	MS	28-Apr-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 4 (2-3)**H221714-21 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	5760		16.0	mg/kg	4	2050303	GM	03-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 4 (3-4)**H221714-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	5520		16.0	mg/kg	4	2050512	AC	05-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 4 (5-6)**H221714-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	208		16.0	mg/kg	4	2050512	AC	05-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 5 (0-1)**H221714-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	8880		16.0	mg/kg	4	2042811	GM	28-Apr-22	4500-CI-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctane			99.4 %	66.9-136		2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			99.9 %	59.5-142		2042702	CK/	27-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Surrogate: Dibromofluoromethane			99.0 %	84-115		2042710	MS	28-Apr-22	8260B	
Surrogate: Toluene-d8			103 %	95.3-106		2042710	MS	28-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			96.5 %	85.1-109		2042710	MS	28-Apr-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 5 (2-3)**H221714-30 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1420		16.0	mg/kg	4	2050303	GM	03-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 5 (5-6)**H221714-32 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Chloride	64.0		16.0	mg/kg	4	2050303	GM	03-May-22	4500-Cl-B	

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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 6 (0-1)**H221714-37 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	4400		16.0	mg/kg	4	2042811	GM	28-Apr-22	4500-CI-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctane			85.8 %	66.9-136		2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			85.6 %	59.5-142		2042702	CK/	27-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Surrogate: Dibromofluoromethane			98.1 %	84-115		2042710	MS	28-Apr-22	8260B	
Surrogate: Toluene-d8			103 %	95.3-106		2042710	MS	28-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			95.5 %	85.1-109		2042710	MS	28-Apr-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 6 (2-3)**H221714-39 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	448		16.0	mg/kg	4	2050303	GM	03-May-22	4500-Cl-B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 6 (5-6)**H221714-41 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	384		16.0	mg/kg	4	2050641	AC	06-May-22	4500-Cl-B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 7 (0-1)**H221714-46 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1580		16.0	mg/kg	4	2042811	GM	28-Apr-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctane			85.6 %	66.9-136		2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			86.4 %	59.5-142		2042702	CK/	27-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Surrogate: Dibromofluoromethane			99.5 %	84-115		2042710	MS	28-Apr-22	8260B	
Surrogate: Toluene-d8			103 %	95.3-106		2042710	MS	28-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			94.8 %	85.1-109		2042710	MS	28-Apr-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 7 (2-3)**H221714-48 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	2080		16.0	mg/kg	4	2050303	GM	03-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 7 (3-4)**H221714-49 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1360		16.0	mg/kg	4	2050512	AC	05-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 7 (5-6)**H221714-50 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	720		16.0	mg/kg	4	2050512	AC	05-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 7 (7-8)**H221714-51 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	320		16.0	mg/kg	4	2050641	AC	06-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 8 (0-1)**H221714-55 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	11500		16.0	mg/kg	4	2042811	GM	28-Apr-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	10.5		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
DRO >C10-C28*	36.5		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctane			89.7 %	66.9-136		2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			90.3 %	59.5-142		2042702	CK/	27-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total Xylenes*	0.078		0.075	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Surrogate: Dibromofluoromethane			99.1 %	84-115		2042710	MS	28-Apr-22	8260B	
Surrogate: Toluene-d8			100 %	95.3-106		2042710	MS	28-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			97.3 %	85.1-109		2042710	MS	28-Apr-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 8 (2-3)**H221714-57 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Chloride	192		16.0	mg/kg	4	2050303	GM	03-May-22	4500-Cl-B	

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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 8 (5-6)**H221714-59 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	320		16.0	mg/kg	4	2050303	GM	03-May-22	4500-Cl-B	
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Analytical Results For:ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:Reported:
12-May-22 14:53**SB - 8 (7-8)****H221714-60 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	256		16.0	mg/kg	4	2050303	GM	03-May-22	4500-Cl-B	
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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 9 (0-1)**H221714-64 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1330		16.0	mg/kg	4	2042811	GM	28-Apr-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctane			87.4 %	66.9-136		2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			88.6 %	59.5-142		2042702	CK/	27-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Surrogate: Dibromofluoromethane			99.0 %	84-115		2042710	MS	28-Apr-22	8260B	
Surrogate: Toluene-d8			104 %	95.3-106		2042710	MS	28-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			95.0 %	85.1-109		2042710	MS	28-Apr-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 9 (2-3)**H221714-66 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Chloride	272		16.0	mg/kg	4	2050304	GM	03-May-22	4500-Cl-B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

SB - 10 (0-1)**H221714-73 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	2042811	GM	28-Apr-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctane			84.5 %	66.9-136		2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			86.1 %	59.5-142		2042702	CK/	27-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Surrogate: Dibromofluoromethane			97.9 %	84-115		2042710	MS	28-Apr-22	8260B	
Surrogate: Toluene-d8			103 %	95.3-106		2042710	MS	28-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			93.2 %	85.1-109		2042710	MS	28-Apr-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2042811 - 1:4 DI Water**Blank (2042811-BLK1)**

Prepared & Analyzed: 28-Apr-22

Chloride	ND	16.0	mg/kg
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LCS (2042811-BS1)

Prepared & Analyzed: 28-Apr-22

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (2042811-BSD1)

Prepared & Analyzed: 28-Apr-22

Chloride	416	16.0	mg/kg	400	104	80-120	0.00	20
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Batch 2050303 - 1:4 DI Water**Blank (2050303-BLK1)**

Prepared & Analyzed: 03-May-22

Chloride	ND	16.0	mg/kg
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LCS (2050303-BS1)

Prepared & Analyzed: 03-May-22

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (2050303-BSD1)

Prepared & Analyzed: 03-May-22

Chloride	432	16.0	mg/kg	400	108	80-120	0.00	20
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Batch 2050304 - 1:4 DI Water**Blank (2050304-BLK1)**

Prepared & Analyzed: 03-May-22

Chloride	ND	16.0	mg/kg
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LCS (2050304-BS1)

Prepared & Analyzed: 03-May-22

Chloride	416	16.0	mg/kg	400	104	80-120
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2050304 - 1:4 DI Water**LCS Dup (2050304-BSD1)**

Prepared & Analyzed: 03-May-22

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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Batch 2050512 - 1:4 DI Water**Blank (2050512-BLK1)**

Prepared & Analyzed: 05-May-22

Chloride	ND	16.0	mg/kg							
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LCS (2050512-BS1)

Prepared & Analyzed: 05-May-22

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (2050512-BSD1)

Prepared & Analyzed: 05-May-22

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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Batch 2050641 - 1:4 DI Water**Blank (2050641-BLK1)**

Prepared & Analyzed: 06-May-22

Chloride	ND	16.0	mg/kg							
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LCS (2050641-BS1)

Prepared & Analyzed: 06-May-22

Chloride	432	16.0	mg/kg	400		108	80-120			
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LCS Dup (2050641-BSD1)

Prepared & Analyzed: 06-May-22

Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	
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Batch 2051120 - 1:4 DI Water**Blank (2051120-BLK1)**

Prepared & Analyzed: 11-May-22

Chloride	ND	16.0	mg/kg							
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2051120 - 1:4 DI Water**LCS (2051120-BS1)**

Prepared & Analyzed: 11-May-22

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (2051120-BS1)

Prepared & Analyzed: 11-May-22

Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2042702 - General Prep - Organics**Blank (2042702-BLK1)**

Prepared & Analyzed: 27-Apr-22

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	43.4		mg/kg	50.0		86.8	66.9-136			
Surrogate: 1-Chlorooctadecane	43.8		mg/kg	50.0		87.6	59.5-142			

LCS (2042702-BS1)

Prepared & Analyzed: 27-Apr-22

GRO C6-C10	199	10.0	mg/kg	200		99.7	78.5-128			
DRO >C10-C28	183	10.0	mg/kg	200		91.6	75.8-135			
Total TPH C6-C28	383	10.0	mg/kg	400		95.7	81.5-127			
Surrogate: 1-Chlorooctane	51.4		mg/kg	50.0		103	66.9-136			
Surrogate: 1-Chlorooctadecane	49.3		mg/kg	50.0		98.5	59.5-142			

LCS Dup (2042702-BS1)

Prepared & Analyzed: 27-Apr-22

GRO C6-C10	200	10.0	mg/kg	200		100	78.5-128	0.509	21.4	
DRO >C10-C28	185	10.0	mg/kg	200		92.5	75.8-135	0.941	17.9	
Total TPH C6-C28	385	10.0	mg/kg	400		96.3	81.5-127	0.716	17.6	
Surrogate: 1-Chlorooctane	53.0		mg/kg	50.0		106	66.9-136			
Surrogate: 1-Chlorooctadecane	51.9		mg/kg	50.0		104	59.5-142			

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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

Volatile Organic Compounds by EPA Method 8260B - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2042710 - Volatiles**Blank (2042710-BLK1)**

Prepared & Analyzed: 27-Apr-22

Benzene	ND	0.025	mg/kg							
Toluene	ND	0.025	mg/kg							
Ethylbenzene	ND	0.025	mg/kg							
Total Xylenes	ND	0.075	mg/kg							
Total BTEX	ND	0.150	mg/kg							
Surrogate: Dibromofluoromethane	1.24		mg/kg	1.25		98.8	84-115			
Surrogate: Toluene-d8	1.29		mg/kg	1.25		104	95.3-106			
Surrogate: 4-Bromofluorobenzene	1.19		mg/kg	1.25		95.3	85.1-109			

LCS (2042710-BS1)

Prepared & Analyzed: 27-Apr-22

Benzene	0.486	0.025	mg/kg	0.500		97.1	70.2-121			
Toluene	0.470	0.025	mg/kg	0.500		94.0	76.9-126			
Ethylbenzene	0.502	0.025	mg/kg	0.500		100	79.1-124			
m+p - Xylene	1.01	0.050	mg/kg	1.00		101	80.8-134			
Total Xylenes	1.49	0.075	mg/kg	1.50		99.3	80.5-132			
o-Xylene	0.478	0.025	mg/kg	0.500		95.7	79-130			
Surrogate: Dibromofluoromethane	1.24		mg/kg	1.25		99.2	84-115			
Surrogate: Toluene-d8	1.26		mg/kg	1.25		101	95.3-106			
Surrogate: 4-Bromofluorobenzene	1.23		mg/kg	1.25		98.5	85.1-109			

LCS Dup (2042710-BS1)

Prepared & Analyzed: 27-Apr-22

Benzene	0.482	0.025	mg/kg	0.500		96.5	70.2-121	0.684	9.42	
Toluene	0.465	0.025	mg/kg	0.500		93.1	76.9-126	0.982	10	
Ethylbenzene	0.508	0.025	mg/kg	0.500		102	79.1-124	1.09	10	
m+p - Xylene	1.00	0.050	mg/kg	1.00		100	80.8-134	0.771	9.6	
Total Xylenes	1.47	0.075	mg/kg	1.50		98.2	80.5-132	1.11	9.26	
o-Xylene	0.470	0.025	mg/kg	0.500		93.9	79-130	1.82	8.93	
Surrogate: Dibromofluoromethane	1.25		mg/kg	1.25		99.8	84-115			
Surrogate: Toluene-d8	1.26		mg/kg	1.25		101	95.3-106			
Surrogate: 4-Bromofluorobenzene	1.22		mg/kg	1.25		97.9	85.1-109			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 14:53

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A handwritten signature in black ink, appearing to read "C. D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

10816

Company Name: 1 Henry - US		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Bryan Henry		Company: bbdb cll					
Address: 14229 Puntabonare DR		Attn: GAS LLC					
City: Corpus Christi		State: TX		Zip: 78718			
Phone #: 361 658 3126		Fax #:					
Project #: AL04M 220400		Project Owner: Bryan Henry					
Project Name: Abdo Butt Hades North Loop		City:					
Project Location: Loc 199, New Mex 110		State:					
Sampler Name: Abdo Butte		Phone #:					
FOR LAB USE ONLY		Fax #:					
Lab I.D.		Sample I.D.					
H221714							
1		SBS-2 (0-1)		(G)RAB OR (C)OMP.		# CONTAINERS	
2		SBS-2 (1-2)				GROUNDWATER	
3		SBS-2 (2-3)				WASTEWATER	
4		SBS-2 (3-4)				SOIL	
5		SBS-2 (5-6)				OIL	
6		SBS-2 (7-8)				SLUDGE	
7		SBS-2 (9-10)				OTHER :	
8		SBS-2 (11-12)				ACID/BASE:	
9		SBS-2 (14-15)				ICE / COOL	
						OTHER :	
				DATE		TIME	
				4/15/12		0709	
				4/15/12		0910	
				4/15/12		0911	
				4/15/12		0912	
				4/15/12		0913	
				4/15/12		0914	
				4/15/12		0915	
				4/15/12		0916	
				4/15/12		0917	
				4/15/12		0918	
				4/15/12		0919	
				4/15/12		0920	
				4/15/12		0921	
				4/15/12		0922	
				4/15/12		0923	
				4/15/12		0924	
				4/15/12		0925	
				4/15/12		0926	
				4/15/12		0927	
				4/15/12		0928	
				4/15/12		0929	
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				4/15/12		0938	
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				4/15/12		0946	
				4/15/12		0947	
				4/15/12		0948	
				4/15/12		0949	
				4/15/12		0950	
				4/15/12		0951	
				4/15/12		0952	
				4/15/12		0953	
				4/15/12		0954	
				4/15/12		0955	
				4/15/12		0956	
				4/15/12		0957	
				4/15/12		0958	
				4/15/12		0959	
				4/15/12		0960	
				4/15/12		0961	
				4/15/12		0962	
				4/15/12			



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2816

Company Name: Harpur LLC							BILL TO		ANALYSIS REQUEST		
Project Manager: Bryan Harvey							P.O. #:				
Address: 14229 Hunt-Barnard Dr							Company: MWD Oil & Gas				
City: Cypress Creek, TX							Attn:				
State: TX Zip: 78918							Address:				
Phone #: 361-658-3126 Fax #:							City:				
Project #: WUOUM220909 Project Owner: Bryan Harvey							State:				
Project Name: MWD Trucks Wash Bay							Zip:				
Project Location: Laying New Pavement							Phone #:				
Sampler Name: William Campbell							Fax #:				
FOR LAB USE ONLY							MATRIX		PRESERV.		SAMPLING
Lab I.D.							(G)RAB OR (C)OMP.		# CONTAINERS		
Sample I.D.							GROUNDWATER		WASTEWATER		
							SOIL		OIL		
							SLUDGE		OTHER :		
							ACID/BASE:		ICE / COOL		
							OTHER :				
							DATE		TIME		
H221714	SH-3 (C-1)	G-1	X	4/5/2021	11:41	X	X	X	X	X	
10	SH-3 (C-1-2)	G-1	X	4/5/2021	12:42	X	X	X	X	X	
11	SH-3 (C-1-2)	G-1	X	4/5/2021	12:43	X	X	X	X	X	
12	SH-3 (C-1-2)	G-1	X	4/5/2021	12:43	X	X	X	X	X	
13	SH-3 (C-1-2)	G-1	X	4/5/2021	12:43	X	X	X	X	X	
14	SH-3 (C-1-2)	G-1	X	4/5/2021	12:43	X	X	X	X	X	
15	SH-3 (C-1-2)	G-1	X	4/5/2021	12:43	X	X	X	X	X	
16	SH-3 (C-1-2)	G-1	X	4/5/2021	12:43	X	X	X	X	X	
17	SH-3 (C-1-2)	G-1	X	4/5/2021	12:43	X	X	X	X	X	
18	SH-3 (C-1-2)	G-1	X	4/5/2021	12:43	X	X	X	X	X	

PLEASE NOTE: Liability and Damages. Cardinal'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 Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal 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 Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:		Date: 4/20/22	Received By:	Date: 4/20/22
Time: 10:07		Time: 10:07		
Relinquished By:		Received By:		
Time:		Time:		
Delivered By: (Circle One) UPS - Bus - Other:		Observed Temp. °C -0.6°C	Corrected Temp. °C -1.1°C	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
CHECKED BY: [Signature]		THERMOMETER ID #113 Correction Factor: -0.5°C		
REMARKS: Push! 3days!		Standard Rush <input checked="" type="checkbox"/> Bacteria (only) Sample Condition Observed Temp. °C Corrected Temp. °C		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3816

Company Name: McKinnicks						BILL TO										
Project Manager: Bryan Hong						P.O. #:										
Address: 14129 Pulte Boulevard						Company: Mac Oil & Gas										
City: Corpus Christi						Attn:										
State: TX Zip: 78418																
Phone #: 361-658-3126 Fax #: -						Address:										
Project #: NUSUM2026el Project Owner: Bryan Hong						City:										
Project Name: Abaco States North Loop						State:	Zip:									
Project Location: Leans Play Martico						Phone #:										
Sample Name: Leans Play Martico						Fax #:										
FOR LAB USE ONLY						MATRIX	PRESERV.	SAMPLING								
Lab I.D.						(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	ACID/BASE: ICE / COOL OTHER :	DATE	TIME					
H221714	SB-4 (6-1)	G-1	X						4/25/12 1040	X	BTP 8260					
19	SB-4 (4-2)	G-1	X						4/25/12 1041	X	TPH 8015/815m	ORO DAO MRO				
20	SB-4 (2-3)	G-1	X						4/25/12 1042	X	Chlorides added 5/2/12					
21	SB-4 (3-4)	G-1	X						4/25/12 1043	X	Cl added 5/4/12					
22	SB-4 (5-6)	G-1	X						4/25/12 1044	X						
23	SB-4 (7-8)	G-1	X						4/25/12 1045	X						
24	SB-4 (9-10)	G-1	X						4/25/12 1046	X						
25	SB-4 (11-12)	G-1	X						4/25/12 1050	X						
26	SB-4 (14-15)	G-1	X						4/25/12 1051	X						
27																
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Relinquished By:						Date: 4/20/12	Received By: Steadiguer									
Time: 10:07																
Date: 10:07																
Time:																
Delivered By: (Circle One) <input checked="" type="checkbox"/> UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other:						Observed Temp.: °C -0.0°C	Corrected Temp.: °C -1.1°C	Sample Condition Cool Intact Yes No	CHECKED BY: (Initials) SK	Turnaround Time: Standard Rush Add'l Phone #:						
Thermometer ID #13 Correction Factor -0.5°C																
Bacteria (only) Sample Condition Cool Intact Observed Temp.: °C Corrected Temp.: °C																
REMARKS: Push! 3 day!																
All Results are emailed. Please provide Email address:																
Verbal Result: Verbal Phone #:																
Add'l Phone #:																
Email Address:																



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

45616

Company Name: <u>Altamira-LLC</u>		P.O. #:		ANALYSIS REQUEST	
Project Manager: <u>Bryan Hargy</u>		Company: <u>Waco Oilfields</u>			
Address: <u>14229 Santa Barbara Dr</u>		Attn:			
City: <u>Corpus Christi, TX</u>		State: <u>TX</u> Zip: <u>78918</u>			
Phone #: <u>3616583126</u> Fax #:		Address:			
Project #: <u>Waco 1202/001</u> Project Owner: <u>Bryan Hargy</u>		City:			
Project Name: <u>Waco Fields North Loop</u>		State:			
Project Location: <u>Hobbs New Mexico</u>		Phone #:			
Sampler Name: <u>William G. Joubert</u>		Fax #:			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST								
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			ACID/BASE:	ICE / COOL	OTHER :						
4221714	SB-5 (10-1)	G	1							9/25/22	1113									
28	SB-5 (1-2)	G	1							9/25/22	1114									
29	SB-5 (2-3)	G	1							9/25/22	1115									
30	SB-5 (3-4)	G	1							9/25/22	1116									
31	SB-5 (5-6)	G	1							9/25/22	1118									
32	SB-5 (7-8)	G	1							9/25/22	1120									
33	SB-5 (9-10)	G	1							9/25/22	1121									
34	SB-5 (11-12)	G	1							9/25/22	1122									
35	SB-5 (14-15)	G	1							9/25/22	1124									
36	SB-5 (14-15)	G	1							9/25/22	1124									

PLEASE NOTE: Liability and Damages. Cardinal'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 Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal 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 Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>[Signature]</u>	Date: <u>9/26/22</u>	Received By: <u>[Signature]</u>	Date: <u>10/07</u>
Relinquished By: <u>[Signature]</u>	Date: <u>10/07</u>	Received By: <u>[Signature]</u>	Date: <u>10/07</u>

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>SE</u>	Thermometer ID #113	<input checked="" type="checkbox"/> Rush	<input type="checkbox"/> Cool Intact	Observed Temp. °C
				Correction Factor -0.5°C		<input type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temp. °C

REMARKS: Push 1 3 days!

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5-26/16

Company Name: <u>Altamira-LLC</u>		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: <u>Dyan Haney</u>		Company: <u>McDowell/MSB</u>					
Address: <u>14229 Pen Pal Avenue</u>		Attn:					
City: <u>Coplis City, NM</u>		Address:					
State: <u>NM</u> Zip: <u>88318</u>							
Phone #: <u>361 658 3126</u> Fax #:							
Project #: <u>WCDM200601</u> Project Owner: <u>Dyan Haney</u>							
Project Name: <u>WCD Trucks North Loop</u>							
Project Location: <u>Logans Plant Mexico</u>							
Sampler Name: <u>Altamira Contract</u>							
FOR LAB USE ONLY							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	
				GROUNDWATER			
				WASTEWATER			
				SOIL			
				OIL			
				SLUDGE			
				OTHER:			
				ACID/BASE:			
				ICE / COOL			
				OTHER:			
				DATE	TIME		
<u>H221714</u>	<u>SB-6 (10-1)</u>	<u>G</u>	<u>1</u>	<u>4/5/22</u>	<u>11:59</u>	<u>BTY 8260</u>	<u>TPH 8015/8015m PRO GROMKO</u>
<u>38</u>	<u>SB-6 (11-2)</u>	<u>G</u>	<u>1</u>	<u>4/6/22</u>	<u>12:00</u>	<u>X</u>	<u>X</u>
<u>39</u>	<u>SB-6 (12-3)</u>	<u>G</u>	<u>1</u>	<u>4/13/22</u>	<u>12:01</u>	<u>X</u>	<u>X</u>
<u>40</u>	<u>SB-6 (13-4)</u>	<u>G</u>	<u>1</u>	<u>4/15/22</u>	<u>12:02</u>	<u>X</u>	<u>X</u>
<u>41</u>	<u>SB-6 (15-6)</u>	<u>G</u>	<u>1</u>	<u>4/15/22</u>	<u>12:04</u>	<u>X</u>	<u>X</u>
<u>42</u>	<u>SB-6 (17-8)</u>	<u>G</u>	<u>1</u>	<u>4/15/22</u>	<u>12:05</u>	<u>X</u>	<u>X</u>
<u>43</u>	<u>SB-6 (19-16)</u>	<u>G</u>	<u>1</u>	<u>4/15/22</u>	<u>12:06</u>	<u>X</u>	<u>X</u>
<u>44</u>	<u>SB-6 (11-12)</u>	<u>G</u>	<u>1</u>	<u>4/15/22</u>	<u>12:09</u>	<u>X</u>	<u>X</u>
<u>45</u>	<u>SB-6 (14-15)</u>	<u>G</u>	<u>1</u>	<u>4/15/22</u>	<u>12:10</u>	<u>X</u>	<u>X</u>

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Relinquished By: <u>[Signature]</u>	Date: <u>4/26/22</u>	Received By: <u>[Signature]</u>	Date: <u>4/27</u>
Reinquinshed By: <u>[Signature]</u>	Date: <u>4/27</u>	Received By: <u>[Signature]</u>	Date: <u>4/27</u>

Delivered By: (Circle One) Observed Temp. °C -0.6°C Corrected Temp. °C -1.1°C Sample Condition Cool Intact Yes Yes Checked BY: [Signature] (Initials)

Turnaround Time: Standard Rush Bacteria (only) Sample Condition Observed Temp. °C Corrected Temp. °C

Thermometer ID #113 Correction Factor -0.5°C Yes No Corrected Temp. °C

REMARKS: Rush! 3 day!

Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: [Blank]

All Results are emailed. Please provide Email address: [Blank]

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

60616

Company Name: *Walmart*

BILL TO

ANALYSIS REQUEST

Project Manager: *Byron Henry*

P.O. #:

Address: *1429 Pentabromide*

Company: *Walmart*

City: *Carroll Christy* State: *TX* Zip: *78918*

Attn:

Phone #: *3616583126* Fax #:

Address:

Project #: *Walmart* Project Owner: *Byron Henry*

City:

Project Name: *Walmart Northrup*

State:

Project Location: *Walmart Northrup*

Phone #:

Sample Name:

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTEX	TPH	Chlorides	Cl add	Cl add
H221714	5B-7 (10-1)	G	1	X						X			4/5/22	1301	X	X	X		
47	5B-7 (1-2)	G	1	X						X			4/5/22	1302	X	X	X		
48	5B-7 (2-3)	G	1	X						X			4/5/22	1303	X	X	X		
49	5B-7 (3-4)	G	1	X						X			4/5/22	1304	X	X	X		
50	5B-7 (5-6)	G	1	X						X			4/5/22	1307	X	X	X		
51	5B-7 (7-8)	G	1	X						X			4/5/22	1308	X	X	X		
52	5B-7 (9-10)	G	1	X						X			4/5/22	1309	X	X	X		
53	5B-7 (11-12)	G	1	X						X			4/5/22	1313	X	X	X		
54	5B-7 (14-15)	G	1	X						X			4/5/22	1314	X	X	X		

PLEASE NOTE: Liability and Damages: Cardinal'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 Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal 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 Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: *4/26/22* Time: *11:07*

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

Relinquished By:

Date: *4/26/22* Time: *11:07*

REMARKS:

Rush! 3 days

Delivered By: (Circle One)

Observed Temp. °C: *-0.6°C*

Sample Condition: ☒ Cool ☐ Intact

CHECKED BY: *SR*

Turnaround Time:

Standard *Rush*

Bacteria (only) Sample Condition: ☒ Cool ☐ Intact

Observed Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C: *-1.1°C*

Yes ☐ No ☐

Thermometer ID #113

Correction Factor -0.5°C

Yes ☐ No ☐

Corrected Temp. °C

FORM 000 R 02 10/07/21

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

BILL TO

Company Name: *Alta Verde LLC*

Project Manager: *Bryan Hunsy*

Address: *14229 Santa Barbara Dr*

City: *Corpus Christi* State: *TX* Zip: *78918*

Phone #: *361 658 3126* Fax #: *---*

Project #: *WCDM2023a1* Project Owner: *Bryan Hunsy*

Project Name: *1610 Hades North Loop*

Project Location: *Hoyms New Mexico*

Sample Name: *Alta Verde C398add 8*

FOR LAB USE ONLY

Lab I.D. Sample I.D.

H221714

SB-8 (0-1)

SB-8 (1-2)

SB-8 (2-3)

SB-8 (3-4)

SB-8 (5-6)

SB-8 (7-8)

SB-8 (9-10)

SB-8 (11-12)

SB-8 (14-15)

SB-8

SB-8

SB-8

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SB-8

SB-8

P.O. #:

Company: *Alta Verde*

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

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866

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

7186

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 12, 2022

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO HADES NORTH LOOP

Enclosed are the results of analyses for samples received by the laboratory on 04/26/22 16:27.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB - 24 (0-1)	H221715-01	Soil	25-Apr-22 16:10	26-Apr-22 16:27
SB - 24 (2-3)	H221715-03	Soil	25-Apr-22 16:12	26-Apr-22 16:27
SB - 24 (3-4)	H221715-04	Soil	25-Apr-22 16:13	26-Apr-22 16:27
SB - 19 (0-1)	H221715-10	Soil	25-Apr-22 16:40	26-Apr-22 16:27
SB - 19 (2-3)	H221715-12	Soil	25-Apr-22 16:42	26-Apr-22 16:27
SB - 19 (3-4)	H221715-13	Soil	25-Apr-22 16:43	26-Apr-22 16:27
SB - 19 (5-6)	H221715-14	Soil	25-Apr-22 16:49	26-Apr-22 16:27
SB - 1 (0-1)	H221715-19	Soil	26-Apr-22 08:38	26-Apr-22 16:27
SB - 1 (2-3)	H221715-21	Soil	26-Apr-22 08:40	26-Apr-22 16:27
SB - 1 (3-4)	H221715-22	Soil	26-Apr-22 08:41	26-Apr-22 16:27
SB - 11 (0-1)	H221715-28	Soil	26-Apr-22 09:26	26-Apr-22 16:27
SB - 11 (3-4)	H221715-31	Soil	26-Apr-22 09:29	26-Apr-22 16:27
SB - 11 (7-8)	H221715-33	Soil	26-Apr-22 09:33	26-Apr-22 16:27
SB - 13 (0-1)	H221715-38	Soil	26-Apr-22 12:44	26-Apr-22 16:27
SB - 13 (2-3)	H221715-40	Soil	26-Apr-22 12:46	26-Apr-22 16:27
SB - 13 (3-4)	H221715-41	Soil	26-Apr-22 12:47	26-Apr-22 16:27
SB - 13 (5-6)	H221715-42	Soil	26-Apr-22 12:49	26-Apr-22 16:27
SB - 13 (7-8)	H221715-43	Soil	26-Apr-22 12:50	26-Apr-22 16:27
SB - 13 (9-10)	H221715-44	Soil	26-Apr-22 12:51	26-Apr-22 16:27
SB - 13 (11-12)	H221715-45	Soil	26-Apr-22 13:07	26-Apr-22 16:27
SB - 12 (0-1)	H221715-47	Soil	26-Apr-22 13:29	26-Apr-22 16:27
SB - 12 (2-3)	H221715-49	Soil	26-Apr-22 13:31	26-Apr-22 16:27
SB - 12 (5-6)	H221715-51	Soil	26-Apr-22 13:34	26-Apr-22 16:27
SB - 12 (7-8)	H221715-52	Soil	26-Apr-22 13:35	26-Apr-22 16:27
SB - 15 (0-1)	H221715-56	Soil	26-Apr-22 14:14	26-Apr-22 16:27
SB - 15 (2-3)	H221715-58	Soil	26-Apr-22 14:16	26-Apr-22 16:27
SB - 15 (3-4)	H221715-59	Soil	26-Apr-22 14:17	26-Apr-22 16:27

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

05/05/22 - Client added Chlorides on 05/02/22 and 05/03/22 (See COC). This is the revised report and will replace the one sent on 04/29/22.

05/10/22 - Client added Chlorides on 05/06/22 (See COC). This is the 2nd revision of the report and will replace the one sent on 05/05/22.

05/12/22 - Client added Chlorides on 05/10/22 (See COC). This is the 3rd revision of the report and will replace the one sent on 05/10/22.

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 24 (0-1)**H221715-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	2042811	GM	28-Apr-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctane			99.0 %	66.9-136		2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			98.3 %	59.5-142		2042702	CK/	27-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Surrogate: Dibromofluoromethane			100 %	84-115		2042710	MS	28-Apr-22	8260B	
Surrogate: Toluene-d8			102 %	95.3-106		2042710	MS	28-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			93.6 %	85.1-109		2042710	MS	28-Apr-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 24 (2-3)**H221715-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	2050310	AC	03-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 24 (3-4)**H221715-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	2050432	AC	04-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 19 (0-1)**H221715-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	352		16.0	mg/kg	4	2042811	GM	28-Apr-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctane			83.4 %	66.9-136		2042702	CK/	27-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			83.8 %	59.5-142		2042702	CK/	27-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Surrogate: Dibromofluoromethane			100 %	84-115		2042710	MS	28-Apr-22	8260B	
Surrogate: Toluene-d8			103 %	95.3-106		2042710	MS	28-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			92.6 %	85.1-109		2042710	MS	28-Apr-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 19 (2-3)**H221715-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	2050310	AC	03-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 19 (3-4)**H221715-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	192		16.0	mg/kg	4	2050432	AC	04-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 19 (5-6)**H221715-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Chloride	336		16.0	mg/kg	4	2051123	GM	11-May-22	4500-Cl-B	

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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 1 (0-1)**H221715-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	4960		16.0	mg/kg	4	2042811	GM	28-Apr-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042706	JH	27-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042706	JH	27-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042706	JH	27-Apr-22	8015B	
Surrogate: 1-Chlorooctane			87.9 %	66.9-136		2042706	JH	27-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			90.8 %	59.5-142		2042706	JH	27-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Surrogate: Dibromofluoromethane			101 %	84-115		2042710	MS	28-Apr-22	8260B	
Surrogate: Toluene-d8			104 %	95.3-106		2042710	MS	28-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			95.3 %	85.1-109		2042710	MS	28-Apr-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 1 (2-3)**H221715-21 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	2160		16.0	mg/kg	4	2050310	AC	03-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 1 (3-4)**H221715-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	208		16.0	mg/kg	4	2050310	AC	03-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 11 (0-1)**H221715-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	2042811	GM	28-Apr-22	4500-CI-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042706	JH	27-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042706	JH	27-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042706	JH	27-Apr-22	8015B	
Surrogate: 1-Chlorooctane			86.8 %	66.9-136		2042706	JH	27-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			89.8 %	59.5-142		2042706	JH	27-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Surrogate: Dibromofluoromethane			99.5 %	84-115		2042710	MS	28-Apr-22	8260B	
Surrogate: Toluene-d8			103 %	95.3-106		2042710	MS	28-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			93.2 %	85.1-109		2042710	MS	28-Apr-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 11 (3-4)**H221715-31 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2050310	AC	03-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 11 (7-8)**H221715-33 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	2051123	GM	11-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 13 (0-1)**H221715-38 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	7600		16.0	mg/kg	4	2042811	GM	28-Apr-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042706	JH	27-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042706	JH	27-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042706	JH	27-Apr-22	8015B	
Surrogate: 1-Chlorooctane			92.8 %	66.9-136		2042706	JH	27-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			97.1 %	59.5-142		2042706	JH	27-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Surrogate: Dibromofluoromethane			99.4 %	84-115		2042710	MS	28-Apr-22	8260B	
Surrogate: Toluene-d8			103 %	95.3-106		2042710	MS	28-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			94.9 %	85.1-109		2042710	MS	28-Apr-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 13 (2-3)**H221715-40 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	9800		16.0	mg/kg	4	2050310	AC	03-May-22	4500-Cl-B	
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Analytical Results For:ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:Reported:
12-May-22 15:04**SB - 13 (3-4)****H221715-41 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	5920		16.0	mg/kg	4	2050637	AC	06-May-22	4500-Cl-B	
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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 13 (5-6)**H221715-42 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	4560		16.0	mg/kg	4	2050637	AC	06-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 13 (7-8)**H221715-43 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	3840		16.0	mg/kg	4	2050637	AC	06-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 13 (9-10)**H221715-44 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	2051123	GM	11-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 13 (11-12)**H221715-45 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	2051123	GM	11-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 12 (0-1)**H221715-47 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	480		16.0	mg/kg	4	2042812	GM	28-Apr-22	4500-Cl-B	QM-07
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042706	JH	27-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042706	JH	27-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042706	JH	27-Apr-22	8015B	
Surrogate: 1-Chlorooctane			67.3 %	66.9-136		2042706	JH	27-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			70.7 %	59.5-142		2042706	JH	27-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Surrogate: Dibromofluoromethane			99.4 %	84-115		2042710	MS	28-Apr-22	8260B	
Surrogate: Toluene-d8			103 %	95.3-106		2042710	MS	28-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			92.5 %	85.1-109		2042710	MS	28-Apr-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 12 (2-3)**H221715-49 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	2050311	AC	03-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 12 (5-6)**H221715-51 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	528		16.0	mg/kg	4	2051123	GM	11-May-22	4500-Cl-B	
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Analytical Results For:ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:Reported:
12-May-22 15:04**SB - 12 (7-8)****H221715-52 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2051123	GM	11-May-22	4500-CI-B	
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 15 (0-1)**H221715-56 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	2042812	GM	28-Apr-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042706	JH	27-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042706	JH	27-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042706	JH	27-Apr-22	8015B	
Surrogate: 1-Chlorooctane			76.4 %	66.9-136		2042706	JH	27-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			81.0 %	59.5-142		2042706	JH	27-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2042710	MS	28-Apr-22	8260B	
Surrogate: Dibromofluoromethane			99.3 %	84-115		2042710	MS	28-Apr-22	8260B	
Surrogate: Toluene-d8			103 %	95.3-106		2042710	MS	28-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			92.8 %	85.1-109		2042710	MS	28-Apr-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 15 (2-3)**H221715-58 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	2050311	AC	03-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

SB - 15 (3-4)**H221715-59 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	2050641	AC	06-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2042811 - 1:4 DI Water**Blank (2042811-BLK1)**

Prepared & Analyzed: 28-Apr-22

Chloride	ND	16.0	mg/kg
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LCS (2042811-BS1)

Prepared & Analyzed: 28-Apr-22

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (2042811-BSD1)

Prepared & Analyzed: 28-Apr-22

Chloride	416	16.0	mg/kg	400	104	80-120	0.00	20
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Batch 2042812 - 1:4 DI Water**Blank (2042812-BLK1)**

Prepared & Analyzed: 28-Apr-22

Chloride	ND	16.0	mg/kg
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LCS (2042812-BS1)

Prepared & Analyzed: 28-Apr-22

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (2042812-BSD1)

Prepared & Analyzed: 28-Apr-22

Chloride	416	16.0	mg/kg	400	104	80-120	0.00	20
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Batch 2050310 - 1:4 DI Water**Blank (2050310-BLK1)**

Prepared & Analyzed: 03-May-22

Chloride	ND	16.0	mg/kg
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LCS (2050310-BS1)

Prepared & Analyzed: 03-May-22

Chloride	416	16.0	mg/kg	400	104	80-120
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2050310 - 1:4 DI Water**LCS Dup (2050310-BSD1)**

Prepared & Analyzed: 03-May-22

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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Batch 2050311 - 1:4 DI Water**Blank (2050311-BLK1)**

Prepared & Analyzed: 03-May-22

Chloride	ND	16.0	mg/kg							
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LCS (2050311-BS1)

Prepared & Analyzed: 03-May-22

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (2050311-BSD1)

Prepared & Analyzed: 03-May-22

Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
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Batch 2050432 - 1:4 DI Water**Blank (2050432-BLK1)**

Prepared & Analyzed: 04-May-22

Chloride	ND	16.0	mg/kg							
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LCS (2050432-BS1)

Prepared & Analyzed: 04-May-22

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (2050432-BSD1)

Prepared & Analyzed: 04-May-22

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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Batch 2050637 - 1:4 DI Water**Blank (2050637-BLK1)**

Prepared & Analyzed: 06-May-22

Chloride	ND	16.0	mg/kg							
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2050637 - 1:4 DI Water**LCS (2050637-BS1)**

Prepared & Analyzed: 06-May-22

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (2050637-BSD1)

Prepared & Analyzed: 06-May-22

Chloride	432	16.0	mg/kg	400	108	80-120	0.00	20
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Batch 2050641 - 1:4 DI Water**Blank (2050641-BLK1)**

Prepared & Analyzed: 06-May-22

Chloride	ND	16.0	mg/kg
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LCS (2050641-BS1)

Prepared & Analyzed: 06-May-22

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (2050641-BSD1)

Prepared & Analyzed: 06-May-22

Chloride	448	16.0	mg/kg	400	112	80-120	3.64	20
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Batch 2051123 - 1:4 DI Water**Blank (2051123-BLK1)**

Prepared & Analyzed: 11-May-22

Chloride	ND	16.0	mg/kg
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LCS (2051123-BS1)

Prepared & Analyzed: 11-May-22

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (2051123-BSD1)

Prepared & Analyzed: 11-May-22

Chloride	432	16.0	mg/kg	400	108	80-120	0.00	20
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2042702 - General Prep - Organics**Blank (2042702-BLK1)**

Prepared & Analyzed: 27-Apr-22

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	43.4		mg/kg	50.0		86.8	66.9-136			
Surrogate: 1-Chlorooctadecane	43.8		mg/kg	50.0		87.6	59.5-142			

LCS (2042702-BS1)

Prepared & Analyzed: 27-Apr-22

GRO C6-C10	199	10.0	mg/kg	200		99.7	78.5-128			
DRO >C10-C28	183	10.0	mg/kg	200		91.6	75.8-135			
Total TPH C6-C28	383	10.0	mg/kg	400		95.7	81.5-127			
Surrogate: 1-Chlorooctane	51.4		mg/kg	50.0		103	66.9-136			
Surrogate: 1-Chlorooctadecane	49.3		mg/kg	50.0		98.5	59.5-142			

LCS Dup (2042702-BS1)

Prepared & Analyzed: 27-Apr-22

GRO C6-C10	200	10.0	mg/kg	200		100	78.5-128	0.509	21.4	
DRO >C10-C28	185	10.0	mg/kg	200		92.5	75.8-135	0.941	17.9	
Total TPH C6-C28	385	10.0	mg/kg	400		96.3	81.5-127	0.716	17.6	
Surrogate: 1-Chlorooctane	53.0		mg/kg	50.0		106	66.9-136			
Surrogate: 1-Chlorooctadecane	51.9		mg/kg	50.0		104	59.5-142			

Batch 2042706 - General Prep - Organics**Blank (2042706-BLK1)**

Prepared & Analyzed: 27-Apr-22

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	45.1		mg/kg	50.0		90.1	66.9-136			
Surrogate: 1-Chlorooctadecane	46.9		mg/kg	50.0		93.8	59.5-142			

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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2042706 - General Prep - Organics**LCS (2042706-BS1)**

Prepared & Analyzed: 27-Apr-22

GRO C6-C10	205	10.0	mg/kg	200		103	78.5-128			
DRO >C10-C28	190	10.0	mg/kg	200		95.2	75.8-135			
Total TPH C6-C28	395	10.0	mg/kg	400		98.9	81.5-127			
Surrogate: 1-Chlorooctane	47.1		mg/kg	50.0		94.1	66.9-136			
Surrogate: 1-Chlorooctadecane	51.5		mg/kg	50.0		103	59.5-142			

LCS Dup (2042706-BS1)

Prepared & Analyzed: 27-Apr-22

GRO C6-C10	201	10.0	mg/kg	200		100	78.5-128	2.10	21.4	
DRO >C10-C28	184	10.0	mg/kg	200		91.9	75.8-135	3.47	17.9	
Total TPH C6-C28	385	10.0	mg/kg	400		96.2	81.5-127	2.76	17.6	
Surrogate: 1-Chlorooctane	46.8		mg/kg	50.0		93.5	66.9-136			
Surrogate: 1-Chlorooctadecane	50.7		mg/kg	50.0		101	59.5-142			

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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

Volatile Organic Compounds by EPA Method 8260B - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2042710 - Volatiles**Blank (2042710-BLK1)**

Prepared & Analyzed: 27-Apr-22

Benzene	ND	0.025	mg/kg							
Toluene	ND	0.025	mg/kg							
Ethylbenzene	ND	0.025	mg/kg							
Total Xylenes	ND	0.075	mg/kg							
Total BTEX	ND	0.150	mg/kg							
Surrogate: Dibromofluoromethane	1.24		mg/kg	1.25		98.8	84-115			
Surrogate: Toluene-d8	1.29		mg/kg	1.25		104	95.3-106			
Surrogate: 4-Bromofluorobenzene	1.19		mg/kg	1.25		95.3	85.1-109			

LCS (2042710-BS1)

Prepared & Analyzed: 27-Apr-22

Benzene	0.486	0.025	mg/kg	0.500		97.1	70.2-121			
Toluene	0.470	0.025	mg/kg	0.500		94.0	76.9-126			
Ethylbenzene	0.502	0.025	mg/kg	0.500		100	79.1-124			
m+p - Xylene	1.01	0.050	mg/kg	1.00		101	80.8-134			
o-Xylene	0.478	0.025	mg/kg	0.500		95.7	79-130			
Total Xylenes	1.49	0.075	mg/kg	1.50		99.3	80.5-132			
Surrogate: Dibromofluoromethane	1.24		mg/kg	1.25		99.2	84-115			
Surrogate: Toluene-d8	1.26		mg/kg	1.25		101	95.3-106			
Surrogate: 4-Bromofluorobenzene	1.23		mg/kg	1.25		98.5	85.1-109			

LCS Dup (2042710-BS1)

Prepared & Analyzed: 27-Apr-22

Benzene	0.482	0.025	mg/kg	0.500		96.5	70.2-121	0.684	9.42	
Toluene	0.465	0.025	mg/kg	0.500		93.1	76.9-126	0.982	10	
Ethylbenzene	0.508	0.025	mg/kg	0.500		102	79.1-124	1.09	10	
m+p - Xylene	1.00	0.050	mg/kg	1.00		100	80.8-134	0.771	9.6	
Total Xylenes	1.47	0.075	mg/kg	1.50		98.2	80.5-132	1.11	9.26	
o-Xylene	0.470	0.025	mg/kg	0.500		93.9	79-130	1.82	8.93	
Surrogate: Dibromofluoromethane	1.25		mg/kg	1.25		99.8	84-115			
Surrogate: Toluene-d8	1.26		mg/kg	1.25		101	95.3-106			
Surrogate: 4-Bromofluorobenzene	1.22		mg/kg	1.25		97.9	85.1-109			

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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:04

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A handwritten signature in black ink, appearing to read "C. D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1000

Company Name: <u>At Home - LLC</u>										P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: <u>Bryan Heaney</u>										Company: <u>At Home - LLC</u>					
Address: <u>1429 Pinta Road St</u>										Attn:					
City: <u>Catonsville, Md</u>										State: <u>MD</u>		Zip: <u>78518</u>			
Phone #: <u>361 658 3126</u>										Fax #:					
Project #: <u>At Home 22860</u>										Project Owner: <u>Bryan Heaney</u>		City:		Zip:	
Project Name: <u>At Home 22860</u>										State:		Phone #:			
Project Location: <u>At Home 22860</u>										Fax #:					
Sample Name: <u>At Home 22860</u>										PRESERV.		SAMPLING			
FOR LAB USE ONLY															
Lab I.D.										Sample I.D.					
H22175										(G)RAB OR (C)OMP.		# CONTAINERS			
										GROUNDWATER		WASTEWATER			
										SOIL		OIL			
										SLUDGE		OTHER :			
										ACID/BASE:		ICE / COOL			
										OTHER :					
										DATE		TIME			
1										4/25/12		16:10		X	
2										4/25/12		16:11		X	
3										4/25/12		16:12		X	
4										4/25/12		16:13		X	
5										4/25/12		16:15		X	
6										4/25/12		16:16		X	
7										4/25/12		16:18		X	
8										4/25/12		16:22		X	
9										4/25/12		16:23		X	
10										4/25/12		16:23		X	
11										4/25/12		16:23		X	
12										4/25/12		16:23		X	
13										4/25/12		16:23		X	
14										4/25/12		16:23		X	
15										4/25/12		16:23		X	
16										4/25/12		16:23		X	
17										4/25/12		16:23		X	
18										4/25/12		16:23		X	
19										4/25/12		16:23		X	
20										4/25/12		16:23		X	
21										4/25/12		16:23		X	
22										4/25/12		16:23		X	
23										4/25/12		16:23		X	
24										4/25/12		16:23		X	
25										4/25/12		16:23		X	
26										4/25/12		16:23		X	
27										4/25/12		16:23		X	
28										4/25/12		16:23		X	
29										4/25/12		16:23		X	
30										4/25/12		16:23		X	
31										4/25/12		16:23		X	
32										4/25/12		16:23		X	
33										4/25/12		16:23		X	
34										4/25/12		16:23		X	
35										4/25/12		16:23		X	
36										4/25/12		16:23		X	
37										4/25/12		16:23		X	
38										4/25/12		16:23		X	
39										4/25/12		16:23		X	
40										4/25/12		16:23		X	
41										4/25/12		16:23		X	
42										4/25/12		16:23		X	
43										4/25/12		16:23		X	
44										4/25/12		16:23		X	
45										4/25/12		16:23		X	
46										4/25/12		16:23		X	
47										4/25/12		16:23		X	
48										4/25/12		16:23		X	
49										4/25/12		16:23		X	
50										4/25/12		16:23		X	
51										4/25/12		16:23		X	
52										4/25/12		16:23		X	
53										4/25/12		16:23		X	
54										4/25/12		16:23		X	
55										4/25/12		16:23		X	
56										4/25/12		16:23		X	
57										4/25/12		16:23		X	
58										4/25/12		16:23		X	
59										4/25/12		16:23		X	
60										4/25/12		16:23		X	
61										4/25/12		16:23		X	
62										4/25/12					



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

11 of 16

Company Name: *Atfermura - CS*

BILL TO

ANALYSIS REQUEST

Project Manager: *Bryan Hance*

P.O. #:

Address: *14229 Punahoa Ave Dr*

Company: *Adairville EMS*

City: *Corpus Christi* State: *TX* Zip: *78418*

Attn:

Phone #: *361 658 3126* Fax #:

Address:

Project #: *1420 NM 202401* Project Owner: *Bryan Hance*

City:

Project Name: *Leaves Near Merico*

State: Zip:

Project Location: *Leaves Near Merico*

Phone #:

Sample Name: *Water to Corralles*

Fax #:

FOR LAB USE ONLY

Lab I.D. Sample I.D.

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME						
H221715	SB-19 (6-1)	G	1			X							4/25/22	1640	X	BTC 8260				
	SB-19 (1-2)	G	1			X							4/25/22	1641	X	TPH 8015/3015m PRO 6 ROM RO				
	SB-19 (2-3)	G	1			X							4/25/22	1642	X	Chlorides 300.00 or equivalent				
	SB-19 (3-4)	G	1			X							4/25/22	1643	X					
	SB-19 (5-6)	G	1			X							4/25/22	1649	X					
	SB-19 (7-8)	G	1			X							4/25/22	1650	X					
	SB-19 (9-10)	G	1			X							4/25/22	1651	X					
	SB-19 (11-12)	G	1			X							4/25/22	1654	X					
	SB-19 (14-15)	G	1			X							4/25/22	1655	X					

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Relinquished By:

Date: *4/20/22*

Received By: *Shediquery*

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

Relinquished By:

Date: *4/20/22*

Received By: *Shediquery*

REMARKS:

Push! 3 days

Delivered By: (Circle One)

Observed Temp. °C *16.6°C*

Sample Condition

CHECKED BY: *SK* (Initials)

Turnaround Time:

Standard

Bacteria (only)

Sample Condition

Sampler - UPS - Bus - Other:

Corrected Temp. °C *16.6°C*

Cool Intact

Thermometer ID #113

Correction Factor -0.5°C

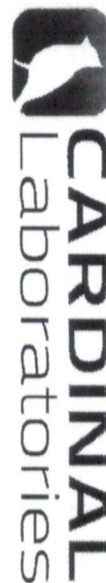
Rush

Cool Intact

Observed Temp. °C

FORM 006 REV 1/07/21

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

12616

[illegible]



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Altamira - CS
 Project Manager: Bryan Hunt
 Address: 1412 S Santa Bonita Dr
 City: Las Cruces State: NM Zip: 78848
 Phone #: 361 658 3126 Fax #:
 Project #: WISNM2202001 Project Owner: Bryan Hunt
 Project Name: Hobbs Hacks North Hwy
 Project Location: Hobbs New Mexico
 Sampler Name: Heidi Corbett
 OR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BRX	TPH	Chlorides	Chlorides added	Cl added	Cl added
1221715	SB-13	(C-1)	1			X							5/16/22	1244	X	X	X	X	5/5/22	5/10/22
38	SB-13	(C-2)	1			X							5/16/22	1245	X	X	X	X		
39	SB-13	(C-3)	1			X							5/16/22	1246	X	X	X	X		
40	SB-13	(C-4)	1			X							5/16/22	1247	X	X	X	X		
41	SB-13	(C-5)	1			X							5/16/22	1248	X	X	X	X		
42	SB-13	(C-6)	1			X							5/16/22	1249	X	X	X	X		
43	SB-13	(C-7)	1			X							5/16/22	1250	X	X	X	X		
44	SB-13	(C-8)	1			X							5/16/22	1251	X	X	X	X		
45	SB-13	(C-9)	1			X							5/16/22	1307	X	X	X	X		
46	SB-13	(C-10)	1			X							5/16/22	1308	X	X	X	X		

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Required By: Stocking Date: 5/16/22 Received By: Heidi Corbett
 Time: 11:07
 Date: 5/16/22 Received By: Heidi Corbett
 Time: 11:07

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
 All Results are emailed. Please provide Email address:

REMARKS: Push 1 day!

Turnaround Time: Standard ☐ Bacteria (only) Sample Condition
 Thermometer ID #113 Cool Intact ☐ Observed Temp. °C
 Correction Factor -0.5°C No ☐ Yes ☐ Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Alhambra - CS
Project Manager: Bryan Hunt
Address: 14225 Santa Bonaro Dr
City: Los Angeles, CA
State: TX Zip: 78848
Phone #: 3616583126 Fax #:
Project Owner: Bryan Hunt
Project Name: Waste Hauls North Hwy
Project Location: Los Angeles, CA
Sample Name: See Lab Results
OR LAB USE ONLY

Lab I.D. 1221715 Sample I.D. 47
48
49
50
51
52
53
54
55

Sample I.D. SB-12
SB-12
SB-12
SB-12
SB-12
SB-12
SB-12
SB-12
SB-12

DATE TIME
9/26/12 13:29
9/26/12 13:30
9/26/12 13:31
9/26/12 13:32
9/26/12 13:34
9/26/12 13:35
9/26/12 13:36
9/26/12 13:51
9/26/12 13:52

Matrix: (G) RAB OR (C) OMP
CONTAINERS
GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER:
ACID/BASE:
ICE / COOL
OTHER:

PRESERVATION: DATE
TIME

SAMPLING: BTX 8260
TPH 8015/8015m DROGROMRO
Chlorides (300.0 or equivalent)
Chlorides added 5/2/22
CL added 5/10/22

Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS: Push! 3day!

Turnaround Time: Standard
Thermometer ID #113
Correction Factor -0.5°C
Bacteria (only) Sample Condition
Cool Intact: ☐ Yes ☐ No
Cool Intact: ☐ Yes ☐ No
Corrected Temp. °C

CARDINAL Laboratories

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Alhambra - CS

Project Manager: Bryon Hunt

Address: 1412 S Santa Bonaville Dr

City: Cape Charles, VA State: TX Zip: 75898

Phone #: 361 658 3126 Fax #:

Project #: WISNM220601 Project Owner: Agromoney

Object Name: W200 Holes North Hoop

Object Location: Highway 140A Mexico

Sampler Name: See Lab Card

OR LAB USE ONLY

BILL TO

P.O. #:

Company: W200 Holes

Attn: CS

Address:

City:

State:

Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D. 221715

Sample I.D.

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		MATRIX		PRESERV.		SAMPLING	
56	SB-15	(0-1)													
57	SB-15	(1-2)													
58	SB-15	(3-3)													
59	SB-15	(3-4)													
60	SB-15	(5-6)													
61	SB-15	(7-8)													
62	SB-15	(9-10)													
63	SB-15	(11-12)													
64	SB-15	(14-15)													

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Received By: Shedden

Date: 4/20/22

Time: 10:37

Date: 4/20/22

Time: 10:37

Received By: Shedden

Date: 4/20/22

Time: 10:37

Received By: Shedden

Date: 4/20/22

Time: 10:37

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Observed Temp. °C: 0.06
Corrected Temp. °C: 0.12

Sample Condition:
☒ Cool
☒ Intact
☐ Yes
☐ No

Checked By: (initials)

Turnaround Time: Push 1 day!

Thermometer ID #113
Correction Factor -0.5°C

Standard: ☒
Bacteria (only) Sample Condition: ☒ Cool ☐ Intact ☐ Yes ☐ No
Observed Temp. °C: ☐ Corrected Temp. °C: ☐

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 12, 2022

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO HADES NORTH LOOP

Enclosed are the results of analyses for samples received by the laboratory on 04/29/22 10:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB - 14 (0-1)	H221765-01	Soil	27-Apr-22 14:43	29-Apr-22 10:35
SB - 14 (2-3)	H221765-03	Soil	27-Apr-22 14:45	29-Apr-22 10:35
SB - 14 (3-4)	H221765-04	Soil	27-Apr-22 14:46	29-Apr-22 10:35
SB - 16 (0-1)	H221765-10	Soil	27-Apr-22 08:31	29-Apr-22 10:35
SB - 16 (2-3)	H221765-12	Soil	27-Apr-22 08:33	29-Apr-22 10:35
SB - 16 (5-6)	H221765-14	Soil	27-Apr-22 08:36	29-Apr-22 10:35
SB - 17 (0-1)	H221765-19	Soil	27-Apr-22 14:14	29-Apr-22 10:35
SB - 17 (2-3)	H221765-21	Soil	27-Apr-22 14:16	29-Apr-22 10:35
SB - 17 (5-6)	H221765-23	Soil	27-Apr-22 14:20	29-Apr-22 10:35
SB - 18 (0-1)	H221765-28	Soil	27-Apr-22 13:33	29-Apr-22 10:35
SB - 18 (2-3)	H221765-30	Soil	27-Apr-22 13:35	29-Apr-22 10:35
SB - 18 (3-4)	H221765-31	Soil	27-Apr-22 13:36	29-Apr-22 10:35
SB - 18 (5-6)	H221765-32	Soil	27-Apr-22 13:38	29-Apr-22 10:35
SB - 20 (0-1)	H221765-37	Soil	27-Apr-22 12:22	29-Apr-22 10:35
SB - 20 (2-3)	H221765-39	Soil	27-Apr-22 12:24	29-Apr-22 10:35
SB - 20 (3-4)	H221765-40	Soil	27-Apr-22 12:25	29-Apr-22 10:35
SB - 20 (5-6)	H221765-41	Soil	27-Apr-22 12:28	29-Apr-22 10:35
SB - 20 (7-8)	H221765-42	Soil	27-Apr-22 12:29	29-Apr-22 10:35
SB - 20 (9-10)	H221765-43	Soil	27-Apr-22 12:30	29-Apr-22 10:35
SB - 21 (0-1)	H221765-46	Soil	27-Apr-22 10:36	29-Apr-22 10:35
SB - 21 (2-3)	H221765-48	Soil	27-Apr-22 10:38	29-Apr-22 10:35
SB - 21 (3-4)	H221765-49	Soil	27-Apr-22 10:39	29-Apr-22 10:35
SB - 22 (0-1)	H221765-55	Soil	27-Apr-22 09:58	29-Apr-22 10:35
SB - 22 (2-3)	H221765-57	Soil	27-Apr-22 10:00	29-Apr-22 10:35
SB - 22 (3-4)	H221765-58	Soil	27-Apr-22 10:01	29-Apr-22 10:35
SB - 23 (0-1)	H221765-64	Soil	27-Apr-22 09:19	29-Apr-22 10:35
SB - 23 (2-3)	H221765-66	Soil	27-Apr-22 09:21	29-Apr-22 10:35

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 23 (3-4)	H221765-67	Soil	27-Apr-22 09:22	29-Apr-22 10:35
SB - 23 (5-6)	H221765-68	Soil	27-Apr-22 09:25	29-Apr-22 10:35
SB - 25 (0-1)	H221765-73	Soil	27-Apr-22 11:46	29-Apr-22 10:35
SB - 25 (2-3)	H221765-75	Soil	27-Apr-22 11:48	29-Apr-22 10:35
SB - 25 (5-6)	H221765-77	Soil	27-Apr-22 11:51	29-Apr-22 10:35

05/05/22 - Client added Chlorides on 05/03/22 (See COC). This is the revised report and will replace the one sent on 05/03/22.

05/10/22 - Client added Chlorides on 05/05/22 and 05/06/22 (See COC). This is the 2nd revision of the report and will replace the one sent on 05/05/22.

05/12/22 - Client added Chlorides on 05/10/22 (See COC). This is the 3rd revision of the report and will replace the one sent on 05/10/22.

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 14 (0-1)**H221765-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2042905	GM	02-May-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042908	MS	02-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042908	MS	02-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042908	MS	02-May-22	8015B	
Surrogate: 1-Chlorooctane			97.9 %	66.9-136		2042908	MS	02-May-22	8015B	
Surrogate: 1-Chlorooctadecane			96.5 %	59.5-142		2042908	MS	02-May-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2050211	MS	02-May-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2050211	MS	02-May-22	8260B	
Surrogate: Dibromofluoromethane			99.0 %	84-115		2050211	MS	02-May-22	8260B	
Surrogate: Toluene-d8			101 %	95.3-106		2050211	MS	02-May-22	8260B	
Surrogate: 4-Bromofluorobenzene			100 %	85.1-109		2050211	MS	02-May-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 14 (2-3)**H221765-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	2050432	AC	04-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 14 (3-4)**H221765-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2050637	AC	06-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 16 (0-1)**H221765-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	2042905	GM	02-May-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
Surrogate: 1-Chlorooctane			115 %	66.9-136		2042908	CK	29-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			134 %	59.5-142		2042908	CK	29-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Toluene*	0.078		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2050211	MS	02-May-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2050211	MS	02-May-22	8260B	
Surrogate: Dibromofluoromethane			97.0 %	84-115		2050211	MS	02-May-22	8260B	
Surrogate: Toluene-d8			103 %	95.3-106		2050211	MS	02-May-22	8260B	
Surrogate: 4-Bromofluorobenzene			103 %	85.1-109		2050211	MS	02-May-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 16 (2-3)**H221765-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	2050432	AC	04-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 16 (5-6)**H221765-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	2050432	AC	04-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 17 (0-1)**H221765-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2042905	GM	02-May-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
Surrogate: 1-Chlorooctane			114 %	66.9-136		2042908	CK	29-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			133 %	59.5-142		2042908	CK	29-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Toluene*	0.127		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Ethylbenzene*	0.036		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2050211	MS	02-May-22	8260B	
Total BTEX	0.219		0.150	mg/kg	50	2050211	MS	02-May-22	8260B	
Surrogate: Dibromofluoromethane			97.9 %	84-115		2050211	MS	02-May-22	8260B	
Surrogate: Toluene-d8			103 %	95.3-106		2050211	MS	02-May-22	8260B	
Surrogate: 4-Bromofluorobenzene			98.7 %	85.1-109		2050211	MS	02-May-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 17 (2-3)**H221765-21 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2050432	AC	04-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 17 (5-6)**H221765-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	2050432	AC	04-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 18 (0-1)**H221765-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	9360		16.0	mg/kg	4	2042905	GM	02-May-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
Surrogate: 1-Chlorooctane			110 %	66.9-136		2042908	CK	29-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			129 %	59.5-142		2042908	CK	29-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Toluene*	0.088		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2050211	MS	02-May-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2050211	MS	02-May-22	8260B	
Surrogate: Dibromofluoromethane			96.3 %	84-115		2050211	MS	02-May-22	8260B	
Surrogate: Toluene-d8			103 %	95.3-106		2050211	MS	02-May-22	8260B	
Surrogate: 4-Bromofluorobenzene			96.8 %	85.1-109		2050211	MS	02-May-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 18 (2-3)**H221765-30 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2050432	AC	04-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 18 (3-4)**H221765-31 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	2050436	AC	04-May-22	4500-Cl-B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 18 (5-6)**H221765-32 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Chloride	528		16.0	mg/kg	4	2050641	AC	06-May-22	4500-Cl-B	

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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 20 (0-1)**H221765-37 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	4000		16.0	mg/kg	4	2042905	GM	02-May-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
Surrogate: 1-Chlorooctane			116 %	66.9-136		2042908	CK	29-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			138 %	59.5-142		2042908	CK	29-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Toluene*	0.116		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Ethylbenzene*	0.031		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2050211	MS	02-May-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2050211	MS	02-May-22	8260B	
Surrogate: Dibromofluoromethane			98.4 %	84-115		2050211	MS	02-May-22	8260B	
Surrogate: Toluene-d8			103 %	95.3-106		2050211	MS	02-May-22	8260B	
Surrogate: 4-Bromofluorobenzene			97.6 %	85.1-109		2050211	MS	02-May-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 20 (2-3)**H221765-39 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	480		16.0	mg/kg	4	2050436	AC	04-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 20 (3-4)**H221765-40 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1680		16.0	mg/kg	4	2050436	AC	04-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 20 (5-6)**H221765-41 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	4880		16.0	mg/kg	4	2050637	AC	06-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 20 (7-8)**H221765-42 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	576		16.0	mg/kg	4	2051123	GM	11-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 20 (9-10)**H221765-43 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Chloride	112		16.0	mg/kg	4	2051123	GM	11-May-22	4500-Cl-B	

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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 21 (0-1)**H221765-46 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	2760		16.0	mg/kg	4	2042905	GM	02-May-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
Surrogate: 1-Chlorooctane			109 %	66.9-136		2042908	CK	29-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			130 %	59.5-142		2042908	CK	29-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2050211	MS	02-May-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2050211	MS	02-May-22	8260B	
Surrogate: Dibromofluoromethane			97.6 %	84-115		2050211	MS	02-May-22	8260B	
Surrogate: Toluene-d8			102 %	95.3-106		2050211	MS	02-May-22	8260B	
Surrogate: 4-Bromofluorobenzene			95.5 %	85.1-109		2050211	MS	02-May-22	8260B	

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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 21 (2-3)**H221765-48 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	400		16.0	mg/kg	4	2050436	AC	04-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 21 (3-4)**H221765-49 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	384		16.0	mg/kg	4	2050436	AC	04-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 22 (0-1)**H221765-55 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	4640		16.0	mg/kg	4	2042905	GM	02-May-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
Surrogate: 1-Chlorooctane			112 %	66.9-136		2042908	CK	29-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			133 %	59.5-142		2042908	CK	29-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2050211	MS	02-May-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2050211	MS	02-May-22	8260B	
Surrogate: Dibromofluoromethane			95.1 %	84-115		2050211	MS	02-May-22	8260B	
Surrogate: Toluene-d8			103 %	95.3-106		2050211	MS	02-May-22	8260B	
Surrogate: 4-Bromofluorobenzene			95.2 %	85.1-109		2050211	MS	02-May-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 22 (2-3)**H221765-57 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	192		16.0	mg/kg	4	2050436	AC	04-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 22 (3-4)**H221765-58 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	272		16.0	mg/kg	4	2050436	AC	04-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 23 (0-1)**H221765-64 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	9060		16.0	mg/kg	4	2050210	GM	02-May-22	4500-Cl-B	QM-07
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	

Surrogate: 1-Chlorooctane 111 % 66.9-136 2042908 CK 29-Apr-22 8015B

Surrogate: 1-Chlorooctadecane 129 % 59.5-142 2042908 CK 29-Apr-22 8015B

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Toluene*	0.124		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Ethylbenzene*	0.035		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2050211	MS	02-May-22	8260B	
Total BTEX	0.212		0.150	mg/kg	50	2050211	MS	02-May-22	8260B	

Surrogate: Dibromofluoromethane 97.4 % 84-115 2050211 MS 02-May-22 8260B

Surrogate: Toluene-d8 103 % 95.3-106 2050211 MS 02-May-22 8260B

Surrogate: 4-Bromofluorobenzene 97.2 % 85.1-109 2050211 MS 02-May-22 8260B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 23 (2-3)**H221765-66 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	5680		16.0	mg/kg	4	2050436	AC	04-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 23 (3-4)**H221765-67 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1020		16.0	mg/kg	4	2050436	AC	04-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 23 (5-6)**H221765-68 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	256		16.0	mg/kg	4	2050436	AC	04-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 25 (0-1)**H221765-73 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	2050210	GM	02-May-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2042908	CK	29-Apr-22	8015B	
Surrogate: 1-Chlorooctane			114 %	66.9-136		2042908	CK	29-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			130 %	59.5-142		2042908	CK	29-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Toluene*	0.050		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2050211	MS	02-May-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2050211	MS	02-May-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2050211	MS	02-May-22	8260B	
Surrogate: Dibromofluoromethane			96.7 %	84-115		2050211	MS	02-May-22	8260B	
Surrogate: Toluene-d8			99.8 %	95.3-106		2050211	MS	02-May-22	8260B	
Surrogate: 4-Bromofluorobenzene			94.4 %	85.1-109		2050211	MS	02-May-22	8260B	

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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 25 (2-3)**H221765-75 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	2050436	AC	04-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

SB - 25 (5-6)**H221765-77 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	224		16.0	mg/kg	4	2050637	AC	06-May-22	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2042905 - 1:4 DI Water**Blank (2042905-BLK1)**

Prepared & Analyzed: 29-Apr-22

Chloride	ND	16.0	mg/kg
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LCS (2042905-BS1)

Prepared & Analyzed: 29-Apr-22

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (2042905-BSD1)

Prepared & Analyzed: 29-Apr-22

Chloride	400	16.0	mg/kg	400	100	80-120	3.92	20
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Batch 2050210 - 1:4 DI Water**Blank (2050210-BLK1)**

Prepared & Analyzed: 02-May-22

Chloride	ND	16.0	mg/kg
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LCS (2050210-BS1)

Prepared & Analyzed: 02-May-22

Chloride	400	16.0	mg/kg	400	100	80-120
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LCS Dup (2050210-BSD1)

Prepared & Analyzed: 02-May-22

Chloride	416	16.0	mg/kg	400	104	80-120	3.92	20
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Batch 2050432 - 1:4 DI Water**Blank (2050432-BLK1)**

Prepared & Analyzed: 04-May-22

Chloride	ND	16.0	mg/kg
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LCS (2050432-BS1)

Prepared & Analyzed: 04-May-22

Chloride	416	16.0	mg/kg	400	104	80-120
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2050432 - 1:4 DI Water**LCS Dup (2050432-BSD1)**

Prepared & Analyzed: 04-May-22

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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Batch 2050436 - 1:4 DI Water**Blank (2050436-BLK1)**

Prepared & Analyzed: 04-May-22

Chloride	ND	16.0	mg/kg							
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LCS (2050436-BS1)

Prepared & Analyzed: 04-May-22

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (2050436-BSD1)

Prepared & Analyzed: 04-May-22

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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Batch 2050637 - 1:4 DI Water**Blank (2050637-BLK1)**

Prepared & Analyzed: 06-May-22

Chloride	ND	16.0	mg/kg							
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LCS (2050637-BS1)

Prepared & Analyzed: 06-May-22

Chloride	432	16.0	mg/kg	400		108	80-120			
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LCS Dup (2050637-BSD1)

Prepared & Analyzed: 06-May-22

Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
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Batch 2050641 - 1:4 DI Water**Blank (2050641-BLK1)**

Prepared & Analyzed: 06-May-22

Chloride	ND	16.0	mg/kg							
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2050641 - 1:4 DI Water**LCS (2050641-BS1)**

Prepared & Analyzed: 06-May-22

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (2050641-BSD1)

Prepared & Analyzed: 06-May-22

Chloride	448	16.0	mg/kg	400	112	80-120	3.64	20
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Batch 2051123 - 1:4 DI Water**Blank (2051123-BLK1)**

Prepared & Analyzed: 11-May-22

Chloride	ND	16.0	mg/kg
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LCS (2051123-BS1)

Prepared & Analyzed: 11-May-22

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (2051123-BSD1)

Prepared & Analyzed: 11-May-22

Chloride	432	16.0	mg/kg	400	108	80-120	0.00	20
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2042908 - General Prep - Organics**Blank (2042908-BLK1)**

Prepared & Analyzed: 29-Apr-22

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	52.9		mg/kg	50.0		106	66.9-136			
Surrogate: 1-Chlorooctadecane	60.1		mg/kg	50.0		120	59.5-142			

LCS (2042908-BS1)

Prepared & Analyzed: 29-Apr-22

GRO C6-C10	216	10.0	mg/kg	200		108	78.5-128			
DRO >C10-C28	223	10.0	mg/kg	200		111	75.8-135			
Total TPH C6-C28	439	10.0	mg/kg	400		110	81.5-127			
Surrogate: 1-Chlorooctane	65.4		mg/kg	50.0		131	66.9-136			
Surrogate: 1-Chlorooctadecane	66.2		mg/kg	50.0		132	59.5-142			

LCS Dup (2042908-BS1)

Prepared & Analyzed: 29-Apr-22

GRO C6-C10	223	10.0	mg/kg	200		112	78.5-128	3.32	21.4	
DRO >C10-C28	225	10.0	mg/kg	200		113	75.8-135	1.19	17.9	
Total TPH C6-C28	449	10.0	mg/kg	400		112	81.5-127	2.24	17.6	
Surrogate: 1-Chlorooctane	66.9		mg/kg	50.0		134	66.9-136			
Surrogate: 1-Chlorooctadecane	68.2		mg/kg	50.0		136	59.5-142			

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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2050211 - Volatiles**Blank (2050211-BLK1)**

Prepared & Analyzed: 02-May-22

Benzene	ND	0.025	mg/kg							
Toluene	ND	0.025	mg/kg							
Ethylbenzene	ND	0.025	mg/kg							
Total Xylenes	ND	0.075	mg/kg							
Total BTEX	ND	0.150	mg/kg							
Surrogate: Dibromofluoromethane	1.24		mg/kg	1.25		99.3	84-115			
Surrogate: Toluene-d8	1.30		mg/kg	1.25		104	95.3-106			
Surrogate: 4-Bromofluorobenzene	1.20		mg/kg	1.25		96.0	85.1-109			

LCS (2050211-BS1)

Prepared & Analyzed: 02-May-22

Benzene	0.518	0.025	mg/kg	0.500		104	70.2-121			
Toluene	0.506	0.025	mg/kg	0.500		101	76.9-126			
Ethylbenzene	0.520	0.025	mg/kg	0.500		104	79.1-124			
m+p - Xylene	1.04	0.050	mg/kg	1.00		104	80.8-134			
o-Xylene	0.469	0.025	mg/kg	0.500		93.7	79-130			
Total Xylenes	1.51	0.075	mg/kg	1.50		101	80.5-132			
Surrogate: Dibromofluoromethane	1.21		mg/kg	1.25		97.2	84-115			
Surrogate: Toluene-d8	1.28		mg/kg	1.25		102	95.3-106			
Surrogate: 4-Bromofluorobenzene	1.25		mg/kg	1.25		100	85.1-109			

LCS Dup (2050211-BSD1)

Prepared & Analyzed: 02-May-22

Benzene	0.512	0.025	mg/kg	0.500		102	70.2-121	1.20	9.42	
Toluene	0.510	0.025	mg/kg	0.500		102	76.9-126	0.644	10	
Ethylbenzene	0.509	0.025	mg/kg	0.500		102	79.1-124	2.08	10	
m+p - Xylene	1.04	0.050	mg/kg	1.00		104	80.8-134	0.0642	9.6	
Total Xylenes	1.51	0.075	mg/kg	1.50		101	80.5-132	0.371	9.26	
o-Xylene	0.464	0.025	mg/kg	0.500		92.7	79-130	1.06	8.93	
Surrogate: Dibromofluoromethane	1.23		mg/kg	1.25		98.2	84-115			
Surrogate: Toluene-d8	1.29		mg/kg	1.25		103	95.3-106			
Surrogate: 4-Bromofluorobenzene	1.24		mg/kg	1.25		99.4	85.1-109			

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES NORTH LOOP
Project Number: NVONM 2202/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
12-May-22 15:09

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 43 of 51



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Alta Verde - LLC</u>		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: <u>Bryan Henry</u>		Company: <u>Lab Oil Gas</u>					
Address: <u>12229 Santa Barbara Dr</u>		Attn:					
City: <u>Carmichael</u> State: <u>TX</u> Zip: <u>75948</u>		Address:					
Phone #: <u>861-658 3126</u> Fax #:		City:					
Project #: <u>ALV00100224</u> Project Owner: <u>Bryan Henry</u>		State:					
Project Name: <u>NEO Hades North Loop</u>		Zip:					
Project Location: <u>Holmes New Mexico</u>		Phone #:					
Sampler Name: <u>Michael Bonfield</u>		Fax #:					
FOR LAB USE ONLY		PRESERV		SAMPLING			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL
				SLUDGE	OTHER :	ACID/BASE:	ICE / COOL
				OTHER :		DATE	TIME
<u>HA21765</u>	<u>SB-16 (C-1)</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>4/12/12 0831</u>	<u>1</u>
<u>11</u>	<u>SB-16 (1-2)</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>4/12/12 0832</u>	<u>1</u>
<u>12</u>	<u>SB-16 (2-3)</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>4/12/12 0833</u>	<u>1</u>
<u>13</u>	<u>SB-16 (3-4)</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>4/12/12 0834</u>	<u>1</u>
<u>14</u>	<u>SB-16 (5-6)</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>4/12/12 0835</u>	<u>1</u>
<u>15</u>	<u>SB-16 (7-8)</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>4/12/12 0836</u>	<u>1</u>
<u>16</u>	<u>SB-16 (9-10)</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>4/12/12 0837</u>	<u>1</u>
<u>17</u>	<u>SB-16 (11-12)</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>4/12/12 0841</u>	<u>1</u>
<u>18</u>	<u>SB-16 (14-15)</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>4/12/12 0842</u>	<u>1</u>

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Relinquished By:	Date: <u>4-23-12</u>	Received By:	Date: <u>4-23-12</u>
Time: <u>1035</u>		Time: <u>1035</u>	
Relinquished By:		Received By:	
Time:		Time:	

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	<u>1.2</u>	<input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	<u>YO</u>
	Corrected Temp. °C <u>0.7</u>		

Turnaround Time: 3 days - Run #1 sample in each group and hold test.

Thermometer ID #113
Correction Factor -0.5°C

Standard ☒ Rush ☐ Bacteria (only) ☐ Sample Condition ☐ Cool ☐ Intact ☐ Yes ☐ No

Observed Temp. °C
Corrected Temp. °C

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Alta Verde - LLC</u>		P.O. #:		BILL TO		ANALYSIS REQUEST											
Project Manager: <u>Bryan Henry</u>		Company: <u>Labo Oil Gas</u>															
Address: <u>14229 Fern Valley Blvd</u>		Attn:															
City: <u>Copius Christi</u>		State: <u>TX</u>		Zip: <u>75898</u>													
Phone #: <u>361-658 3126</u>		Fax #:															
Project #: <u>1100110122</u>		Project Owner: <u>Bryan Henry</u>															
Project Name: <u>New Roads North Loop</u>		City:															
Project Location: <u>Holmes New Mexico</u>		State:															
Sample Name: <u>Water for test</u>		Phone #:															
FOR LAB USE ONLY		Fax #:															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME			
<u>H21765</u>	<u>SB-17 (G-1)</u>	<u>1</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>4/23/22</u>	<u>1414</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>19</u>	<u>SB-17 (1-2)</u>	<u>1</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>4/23/22</u>	<u>1415</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>20</u>	<u>SB-17 (2-3)</u>	<u>1</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>4/23/22</u>	<u>1416</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>21</u>	<u>SB-17 (3-4)</u>	<u>1</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>4/23/22</u>	<u>1417</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>22</u>	<u>SB-17 (5-6)</u>	<u>1</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>4/23/22</u>	<u>1418</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>23</u>	<u>SB-17 (7-8)</u>	<u>1</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>4/23/22</u>	<u>1419</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>24</u>	<u>SB-17 (9-10)</u>	<u>1</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>4/23/22</u>	<u>1420</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>25</u>	<u>SB-17 (11-12)</u>	<u>1</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>4/23/22</u>	<u>1421</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>26</u>	<u>SB-17 (13-14)</u>	<u>1</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>4/23/22</u>	<u>1422</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>27</u>	<u>SB-17 (15-16)</u>	<u>1</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>4/23/22</u>	<u>1423</u>	<u>X</u>	<u>X</u>	<u>X</u>

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Relinquished By: [Signature] Date: 4-29-22 Time: 1035 Received By: [Signature] Date: 4-29-22 Time: 1035

Delivered By: (Circle One) Observed Temp. °C: 1.2 Corrected Temp. °C: 0.9 Sample Condition: Cool Intact Checked By: [Signature] Turnaround Time: 3 day Standard: Rush Bacteria (only) Sample Condition: Cool Intact Observed Temp. °C: 1.2 Corrected Temp. °C: 0.9

Thermometer ID #113 Correction Factor -0.5°C

Verbal Result: ☐ Yes ☐ No Add'l Phone #: [Blank]

All Results are emailed. Please provide Email address: [Blank]

REMARKS: 3 day

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Alpha-A-45 Project Manager: Bryan Henry Address: 14229 Fern Valley Blvd City: Los Angeles, CA State: TX Zip: 78918 Phone #: 561-658 3126 Fax #: _____ Project #: 110001022 by Project Owner: Bryan Henry Project Name: New Hades North Loop Project Location: Building New Mexico Sampler Name: Melissa Hernandez FOR LAB USE ONLY				BILL TO P.O. #: _____ Company: Bob Oil Gas Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____				ANALYSIS REQUEST					
Lab I.D.				Sample I.D.									
H221765 28 SB-18 (G-1) 29 SB-18 (1-2) 30 SB-18 (2-3) 31 SB-18 (3-4) 32 SB-18 (5-6) 33 SB-18 (7-8) 34 SB-18 (9-10) 35 SB-18 (11-12) 36 SB-18 (14-15)				(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING	
				GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		ACID/BASE: ICE / COOL OTHER :		DATE TIME					
				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
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				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	



ANALYSIS REQUEST

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Altamira-CCS</u>		P.O. #:		BILL TO		ANALYSIS REQUEST											
Project Manager: <u>Bryan Hany</u>		Company: <u>Lab Oil Head</u>															
Address: <u>14229 Fern Terrace Dr</u>		Attn:															
City: <u>Las Cruces</u>		Address:															
Phone #: <u>561-658 3126</u>		State: <u>NM</u>		Zip: <u>78918</u>													
Project #: <u>Altamira 2022</u>		Project Owner: <u>Bryan Hany</u>		City:													
Project Name: <u>New Hades North Loop</u>		State:		Zip:													
Project Location: <u>Holmes New Mexico</u>		Phone #:															
Sample Name: <u>Water from well</u>		Fax #:															
FOR LAB USE ONLY		PRESERV		SAMPLING													
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME			
46	SB-21 (G-1)	G	1										4/12/12	1030	X	X	X
47	SB-21 (1-2)	G	1										4/12/12	1037	X	X	X
48	SB-21 (2-3)	G	1										4/12/12	1038	X	X	X
49	SB-21 (3-4)	G	1										4/12/12	1039	X	X	X
50	SB-21 (5-6)	G	1										4/12/12	1043	X	X	X
51	SB-21 (7-8)	G	1										4/12/12	1044	X	X	X
52	SB-21 (9-10)	G	1										4/12/12	1045	X	X	X
53	SB-21 (11-12)	G	1										4/12/12	1051	X	X	X
54	SB-21 (14-15)	G	1										4/12/12	1052	X	X	X
PLEASE NOTE: Liability and Damages. Cardinal'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 claims whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal 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 Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise.																	
Relinquished By: <u>[Signature]</u>		Date: <u>4-29-22</u>		Received By: <u>[Signature]</u>		Date: <u>4-29-22</u>		Time: <u>1035</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		All Results are emailed. Please provide Email address:			
Relinquished By: <u>[Signature]</u>		Date: <u>4-29-22</u>		Received By: <u>[Signature]</u>		Date: <u>4-29-22</u>		Time: <u>1035</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		All Results are emailed. Please provide Email address:			
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:		Standard		Bacteria (only)		Sample Condition		Observed Temp. °C	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		40		Thermometer ID #113		Rush <input type="checkbox"/>		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Observed Temp. °C		Corrected Temp. °C	
FORM-006 REV 2/10/07/12		0.7		No <input type="checkbox"/> Yes <input type="checkbox"/>				Correction Factor -0.5°C		No <input type="checkbox"/> Yes <input type="checkbox"/>		No <input type="checkbox"/> Yes <input type="checkbox"/>					
REMARKS: <u>3 day</u>																	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Alpha A-45		BILL TO		ANALYSIS REQUEST		
Project Manager: Bryan Henry		P.O. #:				
Address: 14229 Sunflower Dr		Company: Bob Oil Gas				
City: Cajonville, CA		Attn:				
State: TX		Address:				
Phone #: 361-658 3126		City:				
Fax #: ---		State:				
Project #: 11000100226		Zip: 78948				
Project Owner: Bryan Henry		Phone #:				
Project Location: Nevo Hades North Loop		Fax #:				
Sampler Name: Michael Lee Baker						
FOR LAB USE ONLY						
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING
				GROUNDWATER		
				WASTEWATER		
				SOIL		
				OIL		
				SLUDGE		
				OTHER :		
				ACID/BASE:		
				ICE / COOL		
				OTHER :		
				DATE	TIME	
H201765	S8-23 (0-1)	G-1	1	4/6/12	0949	X
64	S8-23 (1-2)	G-1	X	4/6/12	0520	X
65	S8-23 (2-3)	G-1	X	4/6/12	0914	X
66	S8-23 (3-4)	G-1	X	4/6/12	0925	X
67	S8-23 (5-6)	G-1	X	4/6/12	0926	X
68	S8-23 (7-8)	G-1	X	4/6/12	0933	X
69	S8-23 (9-10)	G-1	X	4/6/12	0934	X
70	S8-23 (11-12)	G-1	X			
71	S8-23 (14-15)	G-1	X			
72		G-1	X			

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Relinquished By: _____ Date: **4-29-12** Received By: _____ Date: **4-30-12**

Relinquished By: _____ Date: **4-30-12** Received By: _____ Date: **4-30-12**

Time: _____ Time: _____

Delivered By: (Circle One) **Observed Temp. °C** **1.2** **Sample Condition** **Intact** **CHECKED BY:** **(Initials)** **4-30-12**

Sampler - UPS - Bus - Other: **Corrected Temp. °C** **0.7** **Yes** **No** **Yes** **No** **Thermometer ID #113** **Correction Factor -0.5°C** **Standard** **Rush** **Bacteria (only)** **Sample Condition** **Observed Temp. °C** **Corrected Temp. °C**

REMARKS: **3 days**

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:** _____

All Results are emailed. Please provide Email address: _____

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 51 of 51

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 08, 2022

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO HADES

Enclosed are the results of analyses for samples received by the laboratory on 04/07/22 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES
Project Number: NONE GIVEN
Project Manager: BRYAN HANEY
Fax To:

Reported:
08-Apr-22 12:02

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S - 1 (1.5')	H221416-01	Soil	07-Apr-22 10:16	07-Apr-22 14:30
S - 2 (2.0')	H221416-02	Soil	07-Apr-22 10:22	07-Apr-22 14:30
S - 3 (2.0')	H221416-03	Soil	07-Apr-22 10:27	07-Apr-22 14:30
S - 4 (1.5')	H221416-04	Soil	07-Apr-22 10:34	07-Apr-22 14:30
S - 5 (1.5')	H221416-05	Soil	07-Apr-22 10:41	07-Apr-22 14:30
S - 6 (3.5')	H221416-06	Soil	07-Apr-22 10:51	07-Apr-22 14:30
S - 7 (1.0')	H221416-07	Soil	07-Apr-22 11:02	07-Apr-22 14:30
S - 8 (1.5')	H221416-08	Soil	07-Apr-22 11:10	07-Apr-22 14:30

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES
Project Number: NONE GIVEN
Project Manager: BRYAN HANEY
Fax To:

Reported:
08-Apr-22 12:02

S - 1 (1.5')**H221416-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	2040813	AC	08-Apr-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID**S-04**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	QM-07
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
Surrogate: 1-Chlorooctane			132 %	66.9-136		2040726	MS	08-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			150 %	59.5-142		2040726	MS	08-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Surrogate: Dibromofluoromethane			97.9 %	84-115		2040733	MS	07-Apr-22	8260B	
Surrogate: Toluene-d8			104 %	95.3-106		2040733	MS	07-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			94.5 %	85.1-109		2040733	MS	07-Apr-22	8260B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES
Project Number: NONE GIVEN
Project Manager: BRYAN HANEY
Fax To:

Reported:
08-Apr-22 12:02

S - 2 (2.0')

H221416-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1960		16.0	mg/kg	4	2040813	AC	08-Apr-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
Surrogate: 1-Chlorooctane			128 %	66.9-136		2040726	MS	08-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			136 %	59.5-142		2040726	MS	08-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Surrogate: Dibromofluoromethane			97.2 %	84-115		2040733	MS	07-Apr-22	8260B	
Surrogate: Toluene-d8			104 %	95.3-106		2040733	MS	07-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			93.6 %	85.1-109		2040733	MS	07-Apr-22	8260B	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES
Project Number: NONE GIVEN
Project Manager: BRYAN HANEY
Fax To:

Reported:
08-Apr-22 12:02

S - 3 (2.0')**H221416-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	4880		16.0	mg/kg	4	2040813	AC	08-Apr-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
Surrogate: 1-Chlorooctane			107 %	66.9-136		2040726	MS	08-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			112 %	59.5-142		2040726	MS	08-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Surrogate: Dibromofluoromethane			97.4 %	84-115		2040733	MS	07-Apr-22	8260B	
Surrogate: Toluene-d8			104 %	95.3-106		2040733	MS	07-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			92.8 %	85.1-109		2040733	MS	07-Apr-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES
Project Number: NONE GIVEN
Project Manager: BRYAN HANEY
Fax To:

Reported:
08-Apr-22 12:02

S - 4 (1.5')**H221416-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	5280		16.0	mg/kg	4	2040813	AC	08-Apr-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	

Surrogate: 1-Chlorooctane 103 % 66.9-136 2040726 MS 08-Apr-22 8015B

Surrogate: 1-Chlorooctadecane 109 % 59.5-142 2040726 MS 08-Apr-22 8015B

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2040733	MS	07-Apr-22	8260B	

Surrogate: Dibromofluoromethane 95.2 % 84-115 2040733 MS 07-Apr-22 8260B

Surrogate: Toluene-d8 100 % 95.3-106 2040733 MS 07-Apr-22 8260B

Surrogate: 4-Bromofluorobenzene 92.6 % 85.1-109 2040733 MS 07-Apr-22 8260B

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES
Project Number: NONE GIVEN
Project Manager: BRYAN HANEY
Fax To:

Reported:
08-Apr-22 12:02

S - 5 (1.5')**H221416-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	8000		16.0	mg/kg	4	2040813	AC	08-Apr-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
Surrogate: 1-Chlorooctane			109 %	66.9-136		2040726	MS	08-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			117 %	59.5-142		2040726	MS	08-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Surrogate: Dibromofluoromethane			98.2 %	84-115		2040733	MS	07-Apr-22	8260B	
Surrogate: Toluene-d8			104 %	95.3-106		2040733	MS	07-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			92.8 %	85.1-109		2040733	MS	07-Apr-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES
Project Number: NONE GIVEN
Project Manager: BRYAN HANEY
Fax To:

Reported:
08-Apr-22 12:02

S - 6 (3.5')**H221416-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	5200		16.0	mg/kg	4	2040814	AC	08-Apr-22	4500-Cl-B	QM-07
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Petroleum Hydrocarbons by GC FID**S-04**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	

Surrogate: 1-Chlorooctane 138 % 66.9-136 2040726 MS 08-Apr-22 8015B

Surrogate: 1-Chlorooctadecane 150 % 59.5-142 2040726 MS 08-Apr-22 8015B

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2040733	MS	07-Apr-22	8260B	

Surrogate: Dibromofluoromethane 97.6 % 84-115 2040733 MS 07-Apr-22 8260B

Surrogate: Toluene-d8 104 % 95.3-106 2040733 MS 07-Apr-22 8260B

Surrogate: 4-Bromofluorobenzene 92.0 % 85.1-109 2040733 MS 07-Apr-22 8260B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES
Project Number: NONE GIVEN
Project Manager: BRYAN HANEY
Fax To:

Reported:
08-Apr-22 12:02

S - 7 (1.0')**H221416-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	4880		16.0	mg/kg	4	2040814	AC	08-Apr-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	

Surrogate: 1-Chlorooctane

110 %

66.9-136

2040726

MS

08-Apr-22

8015B

Surrogate: 1-Chlorooctadecane

119 %

59.5-142

2040726

MS

08-Apr-22

8015B

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2040733	MS	07-Apr-22	8260B	

Surrogate: Dibromofluoromethane

97.0 %

84-115

2040733

MS

07-Apr-22

8260B

Surrogate: Toluene-d8

104 %

95.3-106

2040733

MS

07-Apr-22

8260B

Surrogate: 4-Bromofluorobenzene

93.9 %

85.1-109

2040733

MS

07-Apr-22

8260B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES
Project Number: NONE GIVEN
Project Manager: BRYAN HANEY
Fax To:

Reported:
08-Apr-22 12:02

S - 8 (1.5')**H221416-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	2040814	AC	08-Apr-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2040726	MS	08-Apr-22	8015B	
Surrogate: 1-Chlorooctane			90.6 %	66.9-136		2040726	MS	08-Apr-22	8015B	
Surrogate: 1-Chlorooctadecane			95.7 %	59.5-142		2040726	MS	08-Apr-22	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	2040733	MS	07-Apr-22	8260B	
Surrogate: Dibromofluoromethane			98.4 %	84-115		2040733	MS	07-Apr-22	8260B	
Surrogate: Toluene-d8			105 %	95.3-106		2040733	MS	07-Apr-22	8260B	
Surrogate: 4-Bromofluorobenzene			92.1 %	85.1-109		2040733	MS	07-Apr-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES
Project Number: NONE GIVEN
Project Manager: BRYAN HANEY
Fax To:

Reported:
08-Apr-22 12:02

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2040813 - 1:4 DI Water**Blank (2040813-BLK1)**

Prepared & Analyzed: 08-Apr-22

Chloride	ND	16.0	mg/kg
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LCS (2040813-BS1)

Prepared & Analyzed: 08-Apr-22

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (2040813-BSD1)

Prepared & Analyzed: 08-Apr-22

Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20
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Batch 2040814 - 1:4 DI Water**Blank (2040814-BLK1)**

Prepared & Analyzed: 08-Apr-22

Chloride	ND	16.0	mg/kg
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LCS (2040814-BS1)

Prepared & Analyzed: 08-Apr-22

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (2040814-BSD1)

Prepared & Analyzed: 08-Apr-22

Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES
Project Number: NONE GIVEN
Project Manager: BRYAN HANEY
Fax To:

Reported:
08-Apr-22 12:02

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2040726 - General Prep - Organics**Blank (2040726-BLK1)**

Prepared: 07-Apr-22 Analyzed: 08-Apr-22

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.8		mg/kg	50.0		95.7	66.9-136			
Surrogate: 1-Chlorooctadecane	49.5		mg/kg	50.0		99.0	59.5-142			

LCS (2040726-BS1)

Prepared & Analyzed: 07-Apr-22

GRO C6-C10	197	10.0	mg/kg	200		98.3	78.5-128			
DRO >C10-C28	185	10.0	mg/kg	200		92.5	75.8-135			
Total TPH C6-C28	382	10.0	mg/kg	400		95.4	81.5-127			
Surrogate: 1-Chlorooctane	56.7		mg/kg	50.0		113	66.9-136			
Surrogate: 1-Chlorooctadecane	57.9		mg/kg	50.0		116	59.5-142			

LCS Dup (2040726-BSD1)

Prepared: 07-Apr-22 Analyzed: 08-Apr-22

GRO C6-C10	198	10.0	mg/kg	200		99.0	78.5-128	0.664	21.4	
DRO >C10-C28	195	10.0	mg/kg	200		97.6	75.8-135	5.33	17.9	
Total TPH C6-C28	393	10.0	mg/kg	400		98.3	81.5-127	2.96	17.6	
Surrogate: 1-Chlorooctane	51.9		mg/kg	50.0		104	66.9-136			
Surrogate: 1-Chlorooctadecane	56.2		mg/kg	50.0		112	59.5-142			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES
Project Number: NONE GIVEN
Project Manager: BRYAN HANEY
Fax To:

Reported:
08-Apr-22 12:02

Volatile Organic Compounds by EPA Method 8260B - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2040733 - Volatiles**Blank (2040733-BLK1)**

Prepared & Analyzed: 07-Apr-22

Benzene	ND	0.025	mg/kg							
Toluene	ND	0.025	mg/kg							
Ethylbenzene	ND	0.025	mg/kg							
Total Xylenes	ND	0.075	mg/kg							
Total BTEX	ND	0.150	mg/kg							
Surrogate: Dibromofluoromethane	1.19		mg/kg	1.25		95.6	84-115			
Surrogate: Toluene-d8	1.40		mg/kg	1.25		112	95.3-106			
Surrogate: 4-Bromofluorobenzene	1.16		mg/kg	1.25		93.0	85.1-109			

LCS (2040733-BS1)

Prepared & Analyzed: 07-Apr-22

Benzene	1.90	0.025	mg/kg	2.00		95.2	70.2-121			
Toluene	2.00	0.025	mg/kg	2.00		99.8	76.9-126			
Ethylbenzene	2.10	0.025	mg/kg	2.00		105	79.1-124			
m+p - Xylene	4.17	0.050	mg/kg	4.00		104	80.8-134			
o-Xylene	2.21	0.025	mg/kg	2.00		111	79-130			
Total Xylenes	6.38	0.075	mg/kg	6.00		106	80.5-132			
Surrogate: Dibromofluoromethane	1.22		mg/kg	1.25		97.6	84-115			
Surrogate: Toluene-d8	1.28		mg/kg	1.25		102	95.3-106			
Surrogate: 4-Bromofluorobenzene	1.22		mg/kg	1.25		97.7	85.1-109			

LCS Dup (2040733-BS1)

Prepared & Analyzed: 07-Apr-22

Benzene	2.12	0.025	mg/kg	2.00		106	70.2-121	10.8	9.42	QR-04
Toluene	2.21	0.025	mg/kg	2.00		110	76.9-126	10.0	10	
Ethylbenzene	2.31	0.025	mg/kg	2.00		115	79.1-124	9.61	10	
m+p - Xylene	4.68	0.050	mg/kg	4.00		117	80.8-134	11.6	9.6	QR-04
Total Xylenes	7.14	0.075	mg/kg	6.00		119	80.5-132	11.3	9.26	QR-04
o-Xylene	2.46	0.025	mg/kg	2.00		123	79-130	10.7	8.93	QR-04
Surrogate: Dibromofluoromethane	1.21		mg/kg	1.25		97.1	84-115			
Surrogate: Toluene-d8	1.29		mg/kg	1.25		103	95.3-106			
Surrogate: 4-Bromofluorobenzene	1.19		mg/kg	1.25		95.5	85.1-109			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO HADES
Project Number: NONE GIVEN
Project Manager: BRYAN HANEY
Fax To:

Reported:
08-Apr-22 12:02

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A handwritten signature in black ink, appearing to read "C. D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Direct Bill No

Company Name: <i>Atmosica - US</i>		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: <i>Bryan Henry</i>		Company: <i>Atmosica - US</i>					
Address: <i>14238 Pink Bonanza</i>		Attn: <i>Bryan Henry</i>					
City: <i>Corpus Christi</i>		Address: <i>14238 Pink Bonanza</i>					
State: <i>TX</i> Zip: <i>78418</i>							
Phone #: <i>361 658 3126</i> Fax #:		City: <i>Corpus Christi</i>					
Project #: _____		State: <i>TX</i> Zip: <i>78418</i>					
Project Name: <i>Abio Hades</i>		Phone #: <i>361 658 3126</i>					
Project Location: <i>Louisiana Mexico</i>		Fax #:					
Sampler Name: <i>Atmosica Lab</i>							
FOR LAB USE ONLY							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	
				GROUNDWATER			
				WASTEWATER			
				SOIL			
				OIL			
				SLUDGE			
				OTHER :			
				ACID/BASE:			
				ICE / COOL			
				OTHER :			
				DATE	TIME		
<i>1281414</i>	<i>1</i>	<i>5-1 (1.5)</i>	<i>1</i>	<i>4/9/02</i>	<i>1216</i>	<i>X</i>	<i>Chlorides (3000) & equivalent</i>
<i>2</i>	<i>5-2 (2.5)</i>	<i>1</i>	<i>4/9/02</i>	<i>1022</i>	<i>X</i>	<i>X</i>	<i>TPH (80150) & equivalent</i>
<i>3</i>	<i>5-3 (2.0)</i>	<i>1</i>	<i>4/9/02</i>	<i>1027</i>	<i>X</i>	<i>X</i>	<i>BRx (8260)</i>
<i>4</i>	<i>5-4 (1.5)</i>	<i>1</i>	<i>4/9/02</i>	<i>1034</i>	<i>X</i>	<i>X</i>	
<i>5</i>	<i>5-5 (1.5)</i>	<i>1</i>	<i>4/9/02</i>	<i>1041</i>	<i>X</i>	<i>X</i>	
<i>6</i>	<i>5-6 (3.5)</i>	<i>1</i>	<i>4/9/02</i>	<i>1057</i>	<i>X</i>	<i>X</i>	
<i>7</i>	<i>5-7 (1.0)</i>	<i>1</i>	<i>4/9/02</i>	<i>1102</i>	<i>X</i>	<i>X</i>	
<i>8</i>	<i>5-8 (1.5)</i>	<i>1</i>	<i>4/9/02</i>	<i>1110</i>	<i>X</i>	<i>X</i>	

PLEASE NOTE: Liability and Damages. Cardinal's liability and clients 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 Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal 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 Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *[Signature]* Date: *7/10/02* Received By: *[Signature]* Date: *7/10/02*

Relinquished By: *[Signature]* Date: *7/10/02* Received By: *[Signature]* Date: *7/10/02*

Delivered By: (Circle One) ☒ Observed Temp. °C: *20.98* Sample Condition: ☒ Cool ☒ Intact ☒ Checked By: *[Signature]*

Sampler - UPS - Bus - Other: *Corrected Temp. °C: 20.42* ☒ Yes ☒ No

Turnaround Time: *24hr* Standard ☒ Bacteria (only) ☒ Sample Condition ☒ Observed Temp. °C ☒ Corrected Temp. °C

Thermometer ID #115 *KUSH* ☒ Cool ☒ Intact ☒ Bacteria (only) ☒ Sample Condition ☒ Observed Temp. °C ☒ Corrected Temp. °C

Correction Factor -0.5°C ☒ Yes ☒ No

REMARKS: *24hr TAT*

Verbal Result: ☐ Yes ☐ No Add'l Phone #: _____

All Results are emailed. Please provide Email address: _____

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

District I

1625 N. French Dr., Hobbs, NM 88240
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 128664

CONDITIONS

Operator: NOVO OIL & GAS NORTHERN DELAWARE, LLC 1001 West Wilshire Blvd Oklahoma City, OK 73116	OGRID: 372920
	Action Number: 128664
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	Thank you for the Site Assessment. The variance request to exclude TPH and BTEX constituents from further analysis has been approved. Please make sure this variance approval is included in the remediation and/or closure report. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. A remediation plan should be submitted within 90 days of the date of discovery.	12/7/2022