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 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	nAPP2300944751
District RP	
Facility ID	
Application ID	174064

#### **Release Notification**

			Resp	onsi	ble Party	Y	
Responsible	Party: Novo	Oil & Gas Nort	nern Delaware,	LLC	OGRID: 3	72920	
Contact Nam	ne: Kurt A. S	Shipley			Contact Te	elephone: 405-2	286-3916
Contact emai	Contact email: kshipley@novoog.com			Incident #	(assigned by OCD):	: nAPP2300944751	
Contact mail		1001 West Wils 116	shire Blvd., Suite	206			
			Location	of R	elease So	ource	
Latitude 32.3	<u>80913° N</u>		Longitude (NAD 83 in de	ecimal de	-104.05088 grees to 5 decim		
Site Name: C	Ovation Pad	- O			Site Type:	Well Pad - CT	В
Date Release	Discovered:	01/07/2023			API# (if applicable)		
II:4 I	Cartian	Tarrentia	Danas		C	4	
Unit Letter A	Section 14	Township T23S	Range R28E	Eddy	Coun	ty	
Surface Owner	r: State	Federal Tr	ribal   Private (A	Name:	Lionel Onsu	<u>urez)</u>	
			Nature and	d Vol	luma of L	Palanca	
			Nature and	u voi	uille of r	Acicasc	
Crude Oil			1 that apply and attached (bbls): Estima		ions or specific		volumes provided below)
				1100 13		Volume Recovered (bbls): 15 (liquids & soil)	
Produced	water	Volume Releas				Volume Recovered (bbls):	
			ation of dissolved >10,000 mg/l?	chloric	le in the	Yes No	0
Condensa	ite	Volume Releas				Volume Reco	vered (bbls)
Natural G	ias	Volume Releas	ed (Mcf)			Volume Reco	vered (Mcf)
Other		Volume/Weigh	t Released (provi	de units	s)	Volume/Weig	ht Recovered (provide units)

#### Cause of Release

At 7:30 am (MT) on 01/07/2023, a minor release of oil occurred on the Novo Ovation Pad-O CTB. The entire volume of the release was contained within the active pad area. Field operation indicate the cause of the release was the result of a failed heater treater fire-tube. Novo was able to quickly identify the failure and shut-in flow.

Volume of the release was estimated flow from the fire-tube during the release and by approximate dimensions of the surface release area (an irregular shaped area approximately 27' x 30' - but not all surface was affected). Eight barrels of oil was immediately removed by vacuum truck.

Received by OCD: 3/26/2023 5:13:31 PM Form C-141 State of New Mexico Page 2 Oil Conservation Division

e of New Mexico

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Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?		
19.15.29.7(A) NMAC?	Estimated volume of crude oil and produced water is less than 25 bbl		
☐ Yes ⊠ No			
01/07/2023 - Kurt Shiple 01/09/2023 - Bryan Har	If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? 01/07/2023 - Kurt Shipley (Novo Oil and Gas) contacted landowner to notify of incident 01/09/2023 - Bryan Haney with Altamira provided email notification to Mike Bratcher and Robert Hamlet at NMOCD 01/09/2023 - Bryan Haney with Altamira conducted notification to the NMOCD online system		
	Initial Response		
The responsible pe	arty must undertake the following actions immediately unless they could create a safety hazard that would result in injury		
☐ The source of the release	ase has been stopped.		
☐ The impacted area has	been secured to protect human health and the environment.		
Released materials have	ve been contained via the use of berms or dikes, absorbent pads, or other containment devices.		
All free liquids and rec	coverable materials have been removed and managed appropriately.		
If all the actions described	above have <u>not</u> been undertaken, explain why:		
All initial response action	ns above have been completed.		
Remediation efforts (exc	cavated affected soil) will be confirmed with sampling.		
has begun, please attach a	AC the responsible party may commence remediation immediately after discovery of a release. If remediation narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred 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: Kurt A	. Shipley Title: Chief Operating Officer		
Signature:	Date: <u>January 9, 2023</u>		
email: <u>kshipley@novoo</u>	g.com Telephone: <u>405-286-3916</u>		

Date: \_\_\_\_\_

Received by: \_\_\_\_\_

OCD Only

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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>&lt;51</u> (ft bgs)			
Did this release impact groundwater or surface water?	☐ Yes ⊠ No			
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No			
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No			
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No			
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No			
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No			
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No			
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No			
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No			
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No			
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No			
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	☐ Yes ⊠ No			
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.				
Characterization Report Checklist: Each of the following items must be included in the report.				
<ul> <li>Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.</li> <li>Field data</li> <li>Data table of soil contaminant concentration data</li> <li>Depth to water determination</li> <li>Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release</li> </ul>				
Boring or excavation logs				

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.

Topographic/Aerial maps

Photographs including date and GIS information

☐ Laboratory data including chain of custody

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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. Title: Chief Operating Officer Printed Name: Kurt A. Shipley Date: 3.23.2023 Signature: email: kshipley@novoog.com Telephone: 405-286-3916 **OCD Only** Received by: <u>Jocelyn Harimon</u> Date: 03/27/2023

State of New Mexico

Incident ID	nAPP2300944751
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Facility ID	
Application ID	

# Remediation Plan NOT APPLICABLE FOR THIS PROJECT

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 point ☐ Estimated volume of material to be remediated ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.1 ☐ Proposed schedule for remediation (note if remediation plan times)	2(C)(4) NMAC
Deferral Requests Only: Each of the following items must be con	firmed as part of any request for deferral of remediation.
_	oduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health	, the environment, or groundwater.
I hereby certify that the information given above is true and complet rules and regulations all operators are required to report and/or file c which may endanger public health or the environment. The acceptantiability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local lateral compliance with any other federal, state, or local lateral compliance with any other federal.	ertain release notifications and perform corrective actions for releases are of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name: Kurt A. Shipley	Title: Chief Operating Officer
Signature:	Date:
email: kshipley@novoog.com	Telephone: 405-286-3916
OCD Only	
Received by:	Date:
Approved Approved with Attached Conditions of A	Approval
Signature:	Date:

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## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items m	ust be included in the closure report.
	AC
Noting Photographs of the remediated site prior to backfill or photos of the must be notified 2 days prior to liner inspection)	liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC Distri	ict office must be notified 2 days prior to final sampling)
□ Description of remediation activities	
and regulations all operators are required to report and/or file certain release may endanger public health or the environment. The acceptance of a C-14 should their operations have failed to adequately investigate and remediate human health or the environment. In addition, OCD acceptance of a C-14 compliance with any other federal, state, or local laws and/or regulations. restore, reclaim, and re-vegetate the impacted surface area to the condition accordance with 19.15.29.13 NMAC including notification to the OCD where the condition of the Name:    Kurt A, Shipley   Signature:	I report by the OCD does not relieve the operator of liability contamination that pose a threat to groundwater, surface water, I report does not relieve the operator of responsibility for The responsible party acknowledges they must substantially s that existed prior to the release or their final land use in
OCD Only	
Received by:	Date:03/27/2023
Closure approval by the OCD does not relieve the responsible party of liab remediate contamination that poses a threat to groundwater, surface water, learnty of compliance with any other federal, state, or local laws and/or regulations.	numan health, or the environment nor does not relieve the responsible
Closure Approved by:	Date:08/15/2023
Printed Name:	Title: Environmental Specialist

Release Response Action Completion & Closure Report Incident ID No. nAPP2300944751 Novo Oil &Gas Ovation Pad – O - Heater Treater Release Discovery Date: January 07, 2023 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

March 22, 2023



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**ACRONYMS AND ABBREVIATIONS** 

Altamira Altamira-US, LLC

Novo Oil & Gas Northern Delaware, LLC

bgs below ground surface

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) operate a facility known as the "Ovation Fed Com 1318" (Ovation Pad-O) located in Unit A, Section 14, T23S, R28E, in Eddy County, New Mexico. On January 7, 2023, field personnel for Novo Oil & Gas discovered a release of crude oil liquids associated with a failed heater treater fire-tube at latitude 32.30913°, longitude -104.05088° (Figure 1 and Figure 2). This Release Response Action & Closure Report has been prepared to document initial response actions, remediation, and site closure efforts.

#### 1.1 Release Details and Initial Response

On January 7, 2023, at approximately 7:30 am, Novo personnel identified a release from a heater treater fire-tube situated within the active pad area. Approximately 15 barrels of crude oil liquids released onto the adjacent pad area. The release was contained to the immediate area near the heater treaters, VRU and other permanent equipment. Upon discovery of the release, Novo was able to shut in flow to the unit. The release affected the surface pad area on the Ovation Pad-O of approximately 27' x 30' (Figure 3) and was irregular shaped due to the various pieces of operational equipment.

Novo Oil & Gas estimated approximately 15 barrels of crude oil liquids were released; and approximately 15 barrels of crude oil liquids were recovered using vacuum trucks and removal of affected soil. The release volume was estimated based on the approximate dimensions of the surface release area.

#### 1.2 Notification

Based on the quantity of fluid released being less than 25 barrels, the release was determined to be a minor release per 19.15.29.1.B NMAC. The initial release notification was submitted online to the New Mexico Oil Conservation District (NMOCD) on January 9, 2023. The OCD issued incident ID# nAPP2300944751.

The C-141 Release Notification Form was submitted to the online portal on January 9, 2023 (**Attachment A**).

#### 1.3 Project Objectives

The project objectives were to: 1) conduct initial release cleanup efforts, 2) physically remove affected soil containing constituent concentrations that exceed the NMOCD cleanup levels, and 3) restore and reclaim the remediated areas.

#### 1.4 Regulatory Framework

The Site is subject to environmental regulatory oversight by the NMOCD. Notification, assessment, and response action 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 500-foot walking 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 500-feet of the release area. However, Harroun Ditch (dry man-made ditch/canal for irrigation) is present approximately 450 feet southwest of the Site. At the time of remediation activities, the ditch was dry. The release did not result in any adverse effects to Harroun Ditch.

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. Altamira ordered a water well search conducted by Banks Environmental Data. No monitoring wells or other subsurface water conveyances were identified within 0.5 miles of the release area (Appendix B). The Banks report did identify seven water well locations within 0.25 miles of the release location. The water wells were associated with US Borax and Chemical for exploration and the USGS with unknown use ("not reported"). Based on the location of the release and proximity to possible water wells (if present), there is no risk to the water wells identified in the Banks report.

Based on review of the FEMA Flood Map for the site area, the release area is location in Zone A "No base flood elevations determined" (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 750 feet west-southwest of the Site. The release did not result in any adverse effects to the Pecos River. Salt Lake is located approximately 1.5 miles east-southeast of the Site area. No other watercourses were identified within a 0.5-mile radius of the release area.

#### 3.3 Determination of Depth to Groundwater

Due to the proximity of the Site area to the Pecos River, it was assumed for this specific Site remediation project that depth to groundwater was less than 50 feet below ground surface. Based on the assumed depth to groundwater, analytical data results were compared to Closure Criteria for groundwater encountered at depths less than 51 feet below ground surface.

#### 4.0 REMEDIATION

Based on the volume of the release (minor – estimated 15-barrels), Novo determined the best course of action was to move directly to remediation of the affected soil located on Pad-O. Affected soil remediation was conducted on the on-site property between January 7 through February 16, 2023. Affected soil was excavated or hydro-excavated and loaded into trucks for transport and disposal at the R360 Halfway Facility (NM1-006) located at 6601 Hobbs Highway US 62/180 mile marker 66. Confirmation soil sampling was conducted to determine the effectiveness of soil remediation efforts. Details regarding the affected soil remediation and post excavation confirmation soil sampling are provided below. Site photographs are provided in **Appendix C**. Field documentation is provided in **Appendix D**.

#### 4.1 Confirmation Soil Sampling and Analysis Plan

Confirmation soil samples collected post excavation were analyzed by Cardinal Laboratories in Hobbs, New Mexico, accredited by the National Environmental Laboratory Accreditation Program (NELAP) for environmental sample analysis requirements. The sampling program and laboratory methods used for the analysis for the project are listed in the following table. Altamira utilized the Oil Conservation Commission guidance and regulations under Title 19, Chapter 15, Part 29 to address the release and constituents of concern. The executed chain-of-custody documents and laboratory reports are provided in **Appendix F.** 

Sample Type	Analysis	Laboratory Method
Soil	Total Petroleum Hydrocarbons (TPH)	8015M
Soil	Benzene, Toluene, Ethylbenzene, Xylenes	8260B
Soil	Chlorides	4500-CI-B

#### 4.2 Soil Remediation Activities

Altamira and Novo provided notification to the OCD via email (**Appendix A**) on January 13, 2023 regarding the intent to conduct soil remediation and confirmation soil sampling at the Novo Ovation Pad-O release area.

During January 7 through February 16, 2023, Novo conducted soil remediation activities on the Ovation Pad-O facility at and adjacent to the Heater Treater release point and around other active equipment (VRUs, separators, heater treaters). The release footprint was irregular shaped and butted against the concrete footings of the various pieces of active equipment. Following the release and removal of standing liquids, the visual extent of the known affected soil area was marked. A grid system was established to identify the excavation areas and 200-square foot confirmation soil sample grid areas. The sample grids were measured and marked with wooden stakes. The sample grids were numbered OPN-1 through OPN-21 (Figure 3). The overall dimensions of the gridded and remediated area were approximately 120 feet by 40 feet. The overall remediation area was larger than the original irregular shaped estimated release area due to the various pieces of equipment and to ensure full remediation was achieved. The on-site active pad area consists of limestone-caliche base material used to create the active pad area. The caliche material is hard and dry. There is no vegetation growing on the Ovation Pad-O area. Native soil below the pad base consisted of a reddish silty sand.

Rouge Services was contracted by Novo to conduct the soil excavation, loading, and hauling. Affected soil excavation (hydro-excavation) began on January 7, 2023, and continued through February 16, 2023. Excavated soil was either stockpiled on plastic sheeting or direct loaded to trucks. Water derived from hydro-excavation was either allowed to dry within the stockpile or was removed via vac truck. Soil within each grid was initially excavated to three feet below ground surface. Sidewalls were tapered towards the natural ground surface along most the north side of the excavation. The sidewalls along the south and west sides of the excavated area consisted of concrete footings or walls (no earthen sidewall present). Two earthen sidewalls were created and sampled along the far east portion of the excavation where equipment and concrete footings were not present. Following excavation at each grid, confirmation soil samples were collected and submitted to Cardinal Laboratories for analysis.

Confirmation soil samples were collected within each 200 square foot grid (14' x 14') and consisted of a 5-point composite sample (generally one from the center and one outward near each corner area). Confirmation soil samples were initially analyzed for chlorides, TPH, and BTEX as described in section 4.1 of this report. Analytical results for each confirmation grid

sample were evaluated to the most stringent criteria per *Table I – Closure Criteria for Soils Impacted by a Release*. Analytical data results are presented on **Table 1**. If analytical data results showed a chemical constituent exceeded the Closure Criteria Level, soil in that particular grid area was further excavated downward another foot and resampled. Laboratory analysis for soil samples for grids that were further excavated were only analyzed for those chemical constituents that previously exceeded the Closure Criteria Level in the previous depth interval. This process continued until the concentration of all targeted chemical constituents were below the respective Closure Criteria Level.

#### 4.3 Waste Management

As described above, affected soil associated with the release was transported to the R360 Halfway Facility (NM1-006) located at 6601 Hobbs Highway US 62/180 mile marker 66. A New Mexico Non-Hazardous Oilfield Waste Manifest was prepared for each truck load of soil material. Manifests are provided in **Appendix E**. A total of 30 truckloads of soil (approximately 494 cubic yards) were transported and disposed for the remediation effort.

#### 5.0 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. Depth to groundwater at the site was not investigated but assumed to be less than 50 feet below ground surface based on the proximity of the Site to the Pecos River. The most stringent closure criteria action levels were utilized to evaluate analytical results for remediation and site closure. Analytical results are provided in **Table 1** and Laboratory Analytical Data Report are provided in **Appendix F**.

As previously described, work and confirmation soil sample grids were measured and marked on 14 foot by 14 foot grid areas (less than 200 square feet). The overall grid area was setup in a conservative manner so that grids included known and suspected affected soil areas, but also overlapped into known unaffected soil areas. The remediation area and associated sample grids are depicted on **Figure 3**.

#### 5.1 Confirmation Soil Sampling Results

#### 5.1.1 Chlorides

Analytical results for chlorides within the known release area grids were below 600 mg/kg. The earthen east and north side-walls initially exhibited concentrations of chlorides greater than 600 mg/kg. As a result, the two side-walls were further excavated from the surface to 3' below ground surface and resampled. Analytical results for the resampled side-walls showed chloride results less than 600 mg/kg. **Remediation of chlorides in soil has been completed.** 

#### 5.1.2 TPH

TPH was analyzed on all initial confirmation soil samples. TPH (C6-C-36) was detected above 100 mg/kg in grid soil samples OPN-2 (3-3.5') and OPN-17 (3-3.5'). Following excavation of soil in these areas, additional confirmation soil samples were collected and analyzed. Analytical

results showed TPH concentrations were either not detected above the laboratory reporting limit or were below 100 mg/kg.

Analytical results for all other post excavation confirmation soil samples show low level TPH concentrations were detected below 100 mg/kg, or concentrations not detected above the laboratory reporting limit. **Remediation of TPH in soil has been completed.** 

#### 5.1.3 BTEX

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. Analytical results for all grid and side-wall samples showed BTEX concentrations were not detected above the laboratory reporting limit. **Remediation of BTEX in soil has been completed.** 

#### 5.2 Final Data Evaluation

As described above, the known and probable affected soil areas were marked within 200 square foot grids for excavation and confirmation soil sampling. Following excavation activities to remove affected soil, confirmation soil samples were collected per the NMAC guidelines. Analytical data demonstrate remediation efforts (soil removal) was successful. Concentrations of chlorides, TPH, and BTEX were either not detected above the laboratory reporting limit (non-detect) or if detected were below all applicable closure criteria. As a result, no further response or remediation action is necessary.

#### 6.0 RESTORATION, RECLAMATION & RE-VEGETATION

#### 6.1 Restoration and Reclamation Activities

Following excavation activities, the excavated area was restored to its original condition. The excavated area from approximately 2.5 to the total depth of the excavation was backfilled using native topsoil (similar to existing silty-sandy very fine-grained soil) from the landowner's property near the remediated site area. The upper 2.5 feet of the excavated area was backfilled with caliche material to re-establish the active operational pad area. Following placement and compaction of the new native topsoil and caliche pad material, the area was graded and contoured to match the original topography of the site area.

Routine inspection of the Ovation Pad-O area has not revealed any erosion of the restored pad area. Since this is an active operational pad area, vegetation of this remediated area will not be conducted at this time.

#### 7.0 CONCLUSIONS

On January 7, 2023, Novo personnel identified a release from a heater treater fire-tube situated within the active pad area. Approximately 15 barrels of crude oil liquids released onto the adjacent pad area. The release was contained to the immediate area near the heater treaters,

VRU and other permanent equipment. Upon discovery of the release, Novo was able to shut in flow to the unit.

Approximately 15 barrels of crude oil liquids were released; and approximately 15 barrels of crude oil liquids were recovered using vacuum trucks and removal of affected soil. During January 7 through February 16, 2023 Novo conducted remediation efforts to remove affected soil and restore each area to pre-release conditions.

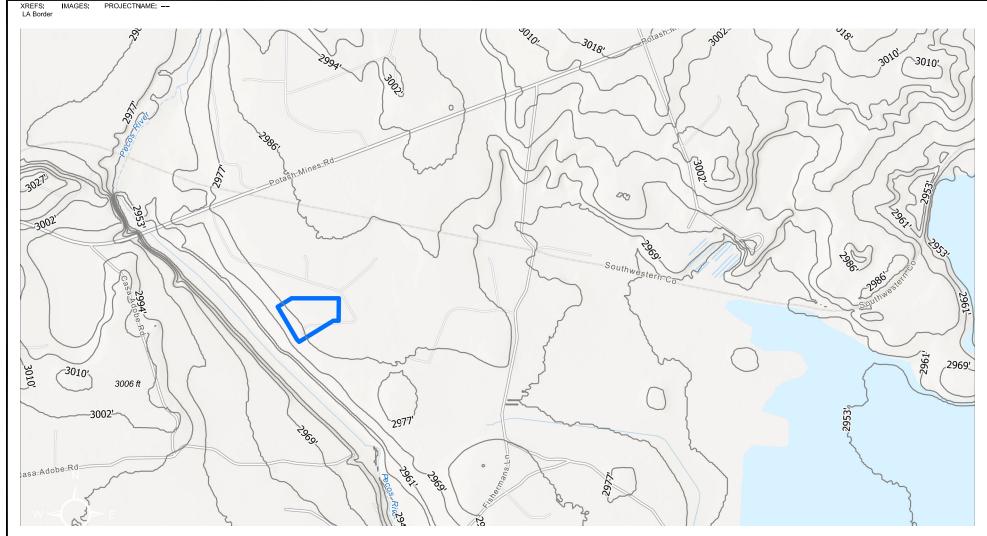
Analytical data results for post excavation confirmation soil validate the completion of affected soil removal from the release area.

- Soil on-site has been remediated to chloride levels less than 600 mg/kg, TPH less than 100 mg/kg, BTEX less than 50 mg/kg and benzene less than 10 mg/kg.
- Reclamation and restoration efforts have been completed.
- No further response action/remediation is necessary for this release Site.
- Novo would respectfully like to request regulatory closure for Incident ID: nAPP2300944751.



**FIGURES** 

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=\*;OFF=\*REF\* P:Novo Oil & GasiNVONM2301 - Ovation Pad O Release 01-07-2023|Figures-Maps|FIGURE 1.dwg LAYOUT: FIGURE 1 SAVED: 2/22/2023 4:40 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: --- PLOTTED: 2/22/2023 4:44 PM BY: AARON LOZANO



NOVO OIL & GAS OVATION PAD-O HEATER TREATER RELEASE INCIDENT ID: nAPP2300944751 LOVING, EDDY COUNTY, NEW MEXICO

# TOPOGRAPHIC MAP (RELEASE 01/07/2023)



**FIGURE** 

PROJECTNAME: --



NOVO OIL & GAS OVATION PAD-O HEATER TREATER RELEASE INCIDENT ID: nAPP2300944751 LOVING, EDDY COUNTY, NEW MEXICO

# SITE LOCATION MAP (RELEASE 01/07/2023)



**FIGURE** 

Released to Imaging: 8/15/2023 11:21:18 AM

2

Received by OCD: 3/26/2023 5:13:31

□ 20'

Released to Imaging: 8/15/2023 11:21:18 AM NOVO OIL & GAS **OVATION PAD-O** HEATER TREATER RELEASE INCIDENT ID: nAPP2300944751 LOVING, EDDY COUNTY, NEW MEXICO (RELEASE 01/07/2023) **FIGURE ALTAMIRA** 

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=\*;OFF=\*REF\* P:Novo Oil & Gas\NVONM2301 - Ovation Pad O Release 01-07-2023\Figures-Maps\FIGURE 3. dwg LAYOUT; FIGURE 3 SAVED; 2/22/2023 4:32 PM ACADVER; 24.2S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE; --- PLOTTED; 2/22/2023 4:34 PM BY: AARON LOZANO IMAGES: PROJECTNAME: --LA Border Project\_Page\_1.tiff ACCESS ROAD -SLOPED EXCAVATION-PAD AREA OPN-3 OPN-6 OPN-9 OPN-12 OPN-15 **OPN-18** TREATER N-5 OPN-2 OPN-11 OPN-14 ÒPN-17<sup>™</sup> HEATER -**NORTH WALL** EAST WALL OPN-1 OPN-7 **OPN-19** OPN-21 OPN-10 OPN-16 OPN-20 OPN-13 CONCRETE & FOOTINGS PIPE RACK PAD AREA PAD AREA **ELECTRICAL PANEL** TANK BATTERY **LEGEND** OPN-1 -CONFIRMATION SOIL SAMPLE **LOCATION & GRID** SITE PLAN & SAMPLE LOCATION MAP - SAMPLE GRID <200ft<sup>2</sup> NOTES: SCALE: 02/05/2023 - EXCAVATION DEPTH - 3' BGS SAMPLED ALL GRIDS 02/10/2023 - EXCAVATION DEPTH - 4' BGS SAMPLED SELECT GRIDS 02/14/2023 - EXCAVATION & SAMPLING OF OPEN SIDEWALLS 02/17/2023 - ADDITIONAL EXCAVATION & SAMPLING OF OPEN SIDEWALLS 1" = 20'



**TABLE 1** 

Analytical Data Results Summary – Post Excavation Soil Samples (mg/kg)

# Table 1 Analytical Data Summary Post Excavation Soil Samples (mg/kg) Novo Oil Gas - Ovation Pad-O CTB Heater Treater Release Incident ID: nAPP2300944751 Near Loving, Eddy County, New Mexico

Analyte Method		Chloride 4500-Cl-B	BTEX 8021B	Benzene 8021B	TPH (C6-C10) 8015M	TPH (>C10-28) 8015M	TPH (>C28-36) 8015M	TPH 8015M
Table I - Closure	Criteria (0-4')	600	50	10	-	-	-	100
Sample ID	Sample Date							
OPN-1 (3-3.5')	2/5/2023	336	<0.300	<0.05	<10	<10	<10	<10
OPN-2 (3-3.5')	2/5/2023	160	<0.300	<0.05	<10	261	27.9	288.9
OPN-2 (4-4.5')	2/10/2023				<10	32.5	<10	32.5
OPN-3 (3-3.5')	2/5/2023	192	<0.300	<0.05	<10	46.6	<10	46.6
OPN-4 (3-3.5')	2/5/2023	144	<0.300	<0.05	<10	<10	19.3	19.3
OPN-5 (3-3.5')	2/5/2023	80	<0.300	<0.05	<10	<10	<10	<10
OPN-6 (3-3.5')	2/5/2023	64	<0.300	<0.05	<10	<10	<10	<10
OPN-7 (3-3.5')	2/5/2023	224	<0.300	<0.05	<10	<10	<10	<10
OPN-8 (3-3.5')	2/5/2023	112	<0.300	<0.05	<10	<10	<10	<10
OPN-9 (3-3.5')	2/5/2023	48	<0.300	<0.05	<10	<10	<10	<10
OPN-10 (3-3.5')	2/5/2023	128	<0.300	<0.05	<10	<10	<10	<10
OPN-11 (3-3.5')	2/5/2023	160	<0.300	<0.05	<10	59.3	<10	59.3
OPN-12 (3-3.5')	2/5/2023	192	<0.300	<0.05	<10	17.4	<10	17.4
OPN-13 (3-3.5')	2/5/2023	96	<0.300	<0.05	<10	<10	<10	<10
OPN-14 (3-3.5')	2/5/2023	80	<0.300	<0.05	<10	79.4	<10	79.4
OPN-15 (3-3.5')	2/5/2023	64	<0.300	<0.05	<10	<10	<10	<10
OPN-16 (3-3.5')	2/5/2023	144	<0.300	<0.05	<10	<10	<10	<10

ALTAMIRA-US 1 of 2

#### Table 1

# Analytical Data Summary Post Excavation Soil Samples (mg/kg) Novo Oil Gas - Ovation Pad-O CTB Heater Treater Release

Incident ID: nAPP2300944751
Near Loving, Eddy County, New Mexico

Analyte Method		Chloride 4500-CI-B	•		TPH (C6-C10) 8015M	TPH (>C10-28) 8015M	TPH (>C28-36) 8015M	TPH 8015M
Table I - Closure C	criteria (0-4')	600	50	10	-	-	-	100
Sample ID	Sample Date							
OPN-17 (3-3.5')	2/5/2023	80	<0.300	<0.05	<10	96.7	10.6	107.3
OPN-17 (4-4.5')	2/10/2023				<10	<10	<10	<10
OPN-18 (3-3.5')	2/5/2023	144	<0.300	<0.05	<10	<10	<10	<10
OPN-19 (3-3.5')	2/5/2023	592	<0.300	<0.05	<10	15.1	<10	15.1
OPN-20 (3-3.5')	2/5/2023	320	<0.300	<0.05	<10	12.3	<10	12.3
OPN-21 (3-3.5')	2/5/2023	208	<0.300	<0.05	<10	<10	<10	<10
East Wall-1 (0-3')	2/14/2023	1140	<0.300	<0.05	<10	<10	<10	<10
East Wall-2 (0-3')	2/17/2023	288						
North Wall-1 (0-3')	2/14/2023	1090	<0.300	<0.05	<10	<10	<10	<10
North Wall-2 (0-3')	2/17/2023	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

- Not analyzed

Bold indicates a detection above the Laboratory Sample Reporting Limit

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

\* - Closure Criteria based on depth to groundwater less than 51 feet below ground surface

ALTAMIRA-US 2 of 2

<sup>&</sup>lt;RL - results were not detected above the Laboratory Reporting Limit



**APPENDIX A** Notification and Agency Correspondence From: OCDOnline@state.nm.us

To: Bryan Haney

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 174064

**Date:** Monday, January 9, 2023 1:26:25 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#) nAPP2300944751,

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 nAPP2300944751, 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 From: Bryan Haney

To: <u>Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD</u>

Cc: <u>Kurt Shipley</u>; <u>Dara Tatum</u>

Subject: nAPP2300944751 - Novo Ovation Pad-O Release (01/07/2023) Notification - MINOR RELEASE Incident

**Date:** Monday, January 9, 2023 4:58:00 PM

Attachments: 01-09-2023 - (OCD) has accepted the application, Application ID 174064.pdf

image001.png

nAPP2300944751 - C-141 Initial Notification 01-07-2023.pdf

#### Mike and Rob,

Novo is providing email written notification of a minor release of oil that occurred on January 7, 2023 at the Ovation Pad-O CTB. The estimated volume was 15 bbl. Eight barrels of oil has been removed by vacuum truck and they are completing hydrovac operations to remove affected pad material. The release was all on pad with no off-site impacts. We anticipate collection of confirmation soil samples later this week or early next pending onsite operations. I have included the C-141 submittal and the online application acceptance by the OCD for your files.

If you have any question please let us know.

Thank you,

Bryan

#### 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 approved the application, Application ID: 174190

**Date:** Tuesday, January 10, 2023 9:27:21 AM

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

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2300944751, with the following conditions:

#### • None

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Jocelyn Harimon
Environmental Specialist
575-748-1283
Jocelyn.Harimon@emnrd.nm.gov

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

To: Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD
Cc: Kurt Shipley; Dara Tatum; Orlando Gonzalez

Subject: nAPP2300944751 - 48-Hour Notification of Confirmation Soil Sampling - Novo Ovation Pad-O Release

(01/07/2023)

**Date:** Friday, January 13, 2023 3:12:00 PM

Attachments: <u>image001.png</u>

Rob,

The email services as notification of upcoming confirmation soil sampling at the above mentioned site. We anticipate collection of confirmation soil samples starting on Wednesday January  $18^{th}$  and may last through the  $19^{th}$ . This will be the first round of sampling post excavation. Additional sampling may be necessary pending results and need for additional soil excavation.

Thank you and please let me know if you have any questions.

Bryan

#### Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com



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	nAPP2300944751
District RP	
Facility ID	
Application ID	174064

#### **Release Notification**

			Resp	onsi	ble Party	7	
Responsible	Party: Novo	Oil & Gas Nort	nern Delaware, I	LLC	OGRID: 3	72920	
Contact Nam	Contact Name: Kurt A. Shipley				Contact Telephone: 405-286-3916		
Contact emai	il: kshipley	@novoog.com			Incident # (	(assigned by OCD):	nAPP2300944751
Contact mail Oklahoma (	_	1001 West Wils 116	shire Blvd., Suite	206			
			Location	of R	elease So	ource	
Latitude <u>32.3</u>	<u>30913° N</u>		Longitude (NAD 83 in de		-104.05088 grees to 5 decim		
Site Name: C	Ovation Pad	- O			Site Type:	Well Pad - CT	В
Date Release	Discovered:	01/07/2023			API# (if applicable)		
Unit Letter	Section	Township	Range		Coun	tv	
A	14	T23S	R28E	Eddy			
Surface Owner	r: State	☐ Federal ☐ Tr	ibal 🛭 Private (A	Name:	Lionel Onsu	<u>ırez)</u>	
			Nature and	d Vol	ume of F	Release	
		<del>'</del>	** *		ions or specific j		volumes provided below)
Crude Oil			ed (bbls): Estima	ited 15		Volume Recovered (bbls): 15 (liquids & soil)	
Produced	Water	Volume Releas	ed (bbls):			Volume Recovered (bbls):	
Is the concentration of dissolved chlor produced water >10,000 mg/l?		chlorid	e in the	Yes No			
Condensate Volume Released (bbls)				Volume Recov	vered (bbls)		
Natural G	ias	Volume Releas	ed (Mcf)			Volume Recov	vered (Mcf)
Other Volume/Weight Released (provide unit		de units	3)	Volume/Weight Recovered (provide units)			
		1					

#### Cause of Release

At 7:30 am (MT) on 01/07/2023, a minor release of oil occurred on the Novo Ovation Pad-O CTB. The entire volume of the release was contained within the active pad area. Field operation indicate the cause of the release was the result of a failed heater treater fire-tube. Novo was able to quickly identify the failure and shut-in flow.

Volume of the release was estimated flow from the fire-tube during the release and by approximate dimensions of the surface release area (an irregular shaped area approximately 27' x 30' - but not all surface was affected). Eight barrels of oil was immediately removed by vacuum truck.

Received by OCD: 3/26/2023 5213/81 PM1 State of New Mexico
Page 2 Oil Conservation Division

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Page Gmeo.	T Ø	D	ō
		С.	

Incident ID	nAPP2300944751
District RP	
Facility ID	
Application ID	

Was this a major release	If YES, for what reason(s) does the responsible party consider this a major release?								
as defined by 19.15.29.7(A) NMAC?	Estimated volume of crude oil and produced water is less than 25 bbl								
☐ Yes ⊠ No									
	tice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?								
01/09/2023 – Bryan Har	01/07/2023 - Kurt Shipley (Novo Oil and Gas) contacted landowner to notify of incident 01/09/2023 – Bryan Haney with Altamira provided email notification to Mike Bratcher and Robert Hamlet at NMOCD 01/09/2023 – Bryan Haney with Altamira conducted notification to the NMOCD online system								
	Initial Response								
The responsible po	arty must undertake the following actions immediately unless they could create a safety hazard that would result in injury								
The source of the relea	ase has been stopped.								
The impacted area has	been secured to protect human health and the environment.								
Released materials have	we been contained via the use of berms or dikes, absorbent pads, or other containment devices.								
All free liquids and rec	coverable materials have been removed and managed appropriately.								
If all the actions described	above have <u>not</u> been undertaken, explain why:								
All initial response action	ns above have been completed.								
Remediation efforts (exc	cavated affected soil) will be confirmed with sampling.								
Tremedianen enerie (exe	arates anostes con, in 20 commiss with camping.								
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: Kurt A	Printed Name: Kurt A. Shipley Title: Chief Operating Officer								
Signature:	Date: <u>January 9, 2023</u>								
email: <u>kshipley@novoo</u>	g.com Telephone: 405-286-3916								
OCD Only									
Received by:Jocely	yn Harimon Date: 01/10/2023								

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

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 174190

#### **CONDITIONS**

Operator:	OGRID:
NOVO OIL & GAS NORTHERN DELAWARE, LLC	372920
1001 West Wilshire Blvd	Action Number:
Oklahoma City, OK 73116	174190
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
jharimon	None	1/10/2023



**APPENDIX B** Regulatory Database Report ALTAMIRA-US, LLC - Corpus Christi 14229 Punta Bonaire Dr Corpus Christi, TX 78418



# Regulatory Novo Ovation Pad-O Loving, NM Report Eddy County PO #: NVONM2204 phase 001

ES-141671 Friday, February 24, 2023

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#### **Geographic Summary**



Location

Eddy County, NM

Coordinates

Longitude & Latitude in Degrees Minutes Seconds-104° 3′ 5″, 32° 18′ 32″Longitude & Latitude in Decimal Degrees-104.051473°, 32.308859°

X and Y in UTM 589294.48, 3575065.67 (Zone 13)

Elevation

Target Property lies 2981.5 feet above sea level.

Zip Codes Searched	
Search Distance	Zip Codes (historical zip codes included)
Target Property	88256, 88263
0.25 miles	88256, 88263
0.5 miles	88220, 88221, 88255, 88263, 88268, 88256, 88263
1 mile	88220, 88221, 88255, 88263, 88268, 88256, 88263

Topos Searched	
Search Distance	Topo Name
Target Property	Loving (1985)
0.25 miles	Loving (1985)
0.5 miles	Loving (1985)
1 mile	Loving (1985)

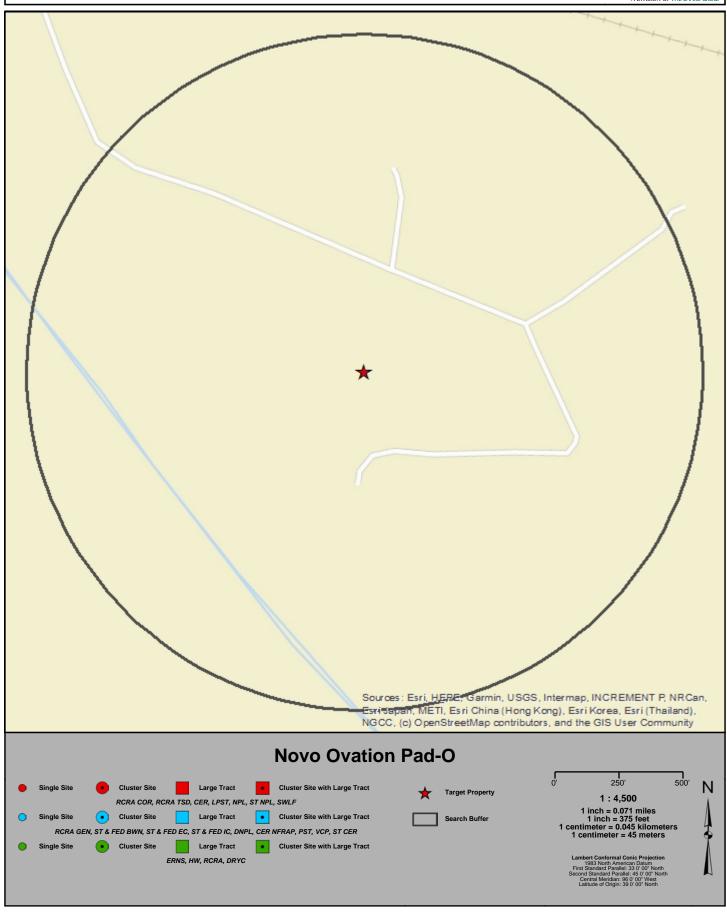
## **Database Summary**



Databases Searched	Distance Searched	# Mapped	# Not Mapped	Total
Federal - ASTM 1527-21/AAI Required				
National Priority List (NPL)	1	0	0	0
Delisted National Priority List (DNPL)	0.5	0	0	0
SEMS (CER SEMS)	0.5	0	0	0
SEMS NFRAP (CER SEMS NFRAP)	0.5	0	0	0
RCRA CORRACTS (RCRA COR)	1	0	0	0
RCRA non-CORRACTS TSD (RCRA TSD)	0.5	0	0	0
RCRA Generators (RCRA GEN)	0.25	0	0	0
Federal Brownfields (FED BWN)	0.5	0	0	0
Federal Institutional Control (FED IC)	0.5	0	0	0
Federal Engineering Control (FED EC)	0.5	0	0	0
ERNS List (ERNS)	0.25	0	0	0
State - ASTM 1527-21/AAI Required				
State/Tribal Equivalent NPL (ST NPL)	1	0	0	0
State/Tribal Equivalent CERCLIS (ST CER)	0.5	0	0	0
State/Tribal Disposal or Landfill (SWLF)	0.5	0	0	0
State/Tribal Leaking Storage Tank (LPST)	0.5	0	0	0
State/Tribal Storage Tank (PST)	0.25	0	0	0
State/Tribal Institutional Control (ST IC)	0.25	0	0	0
State/Tribal Engineering Control (ST EC)	0.5	0	0	0
State/Tribal Voluntary Cleanup (VCP)	0.5	0	0	0
State/Tribal Brownfield (ST BWN)	0.5	0	0	0
State/Tribal Hazardous Waste (HW)	0.25	0	0	0
Non-ASTM/AAI Required Databases				
RCRA (RCRA)	0.25	0	0	0
Dry Cleaners (DRYC)	0.25	0	0	0
Total Sites Found		0	0	0

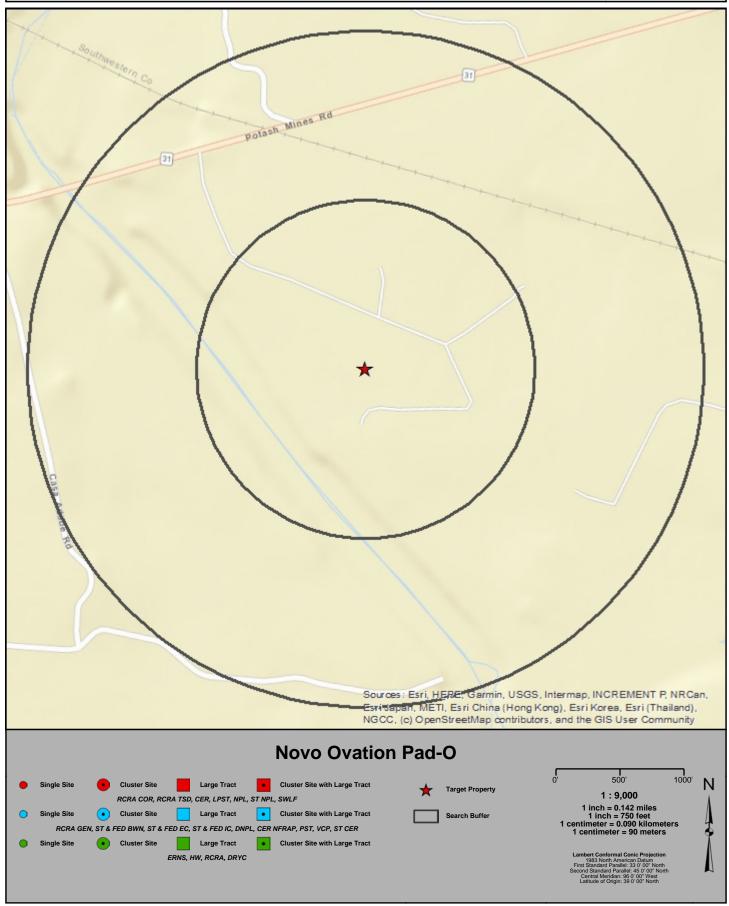
## Summary Map - 0.25 Mile Radius





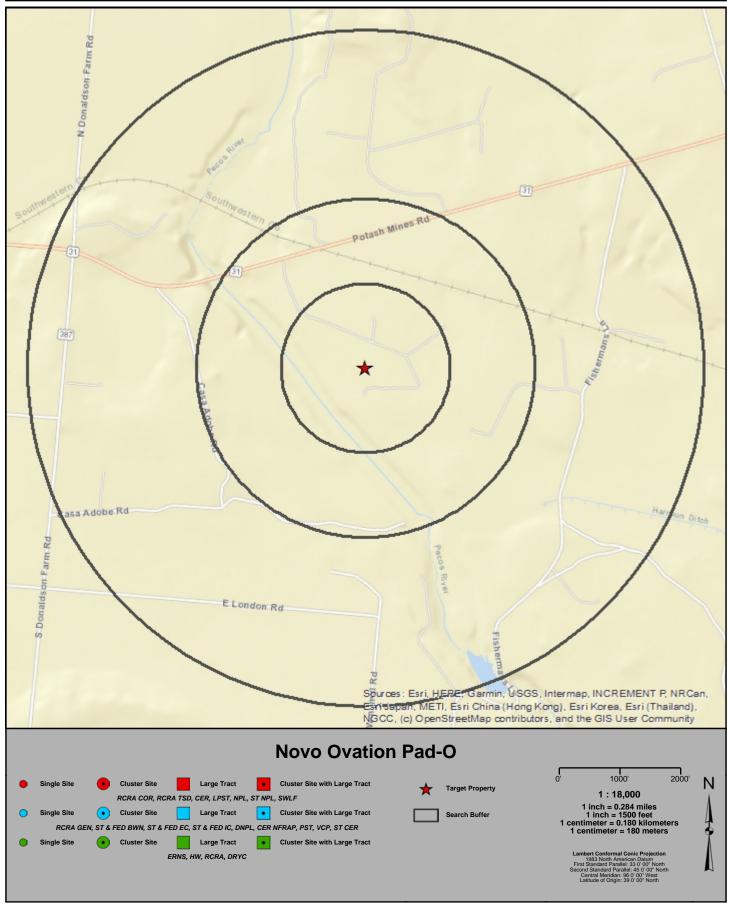
## **Summary Map - 0.5 Mile Radius**





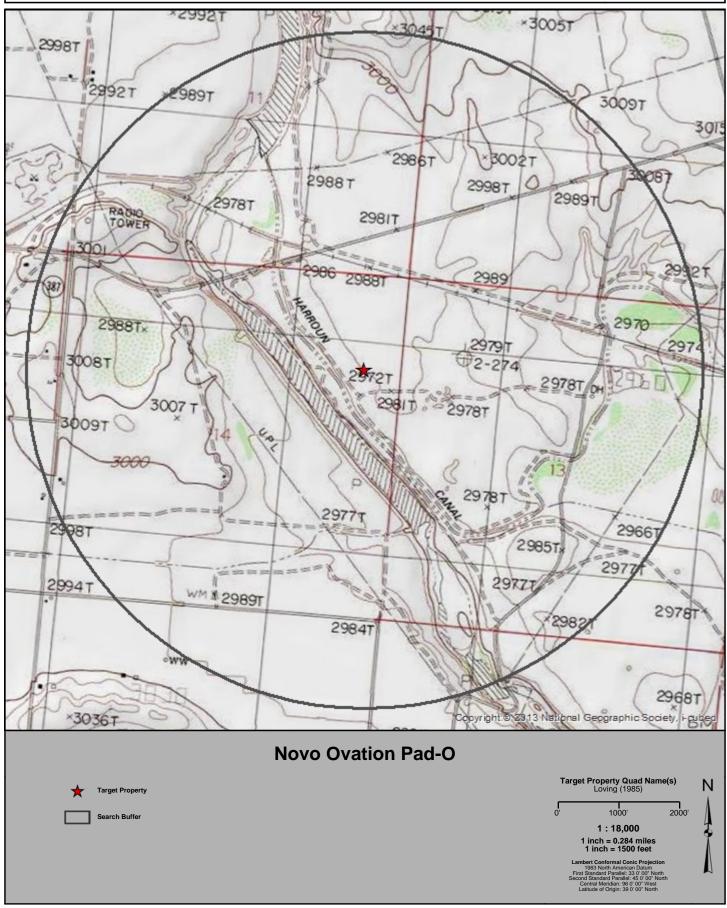
## **Summary Map - 1 Mile Radius**





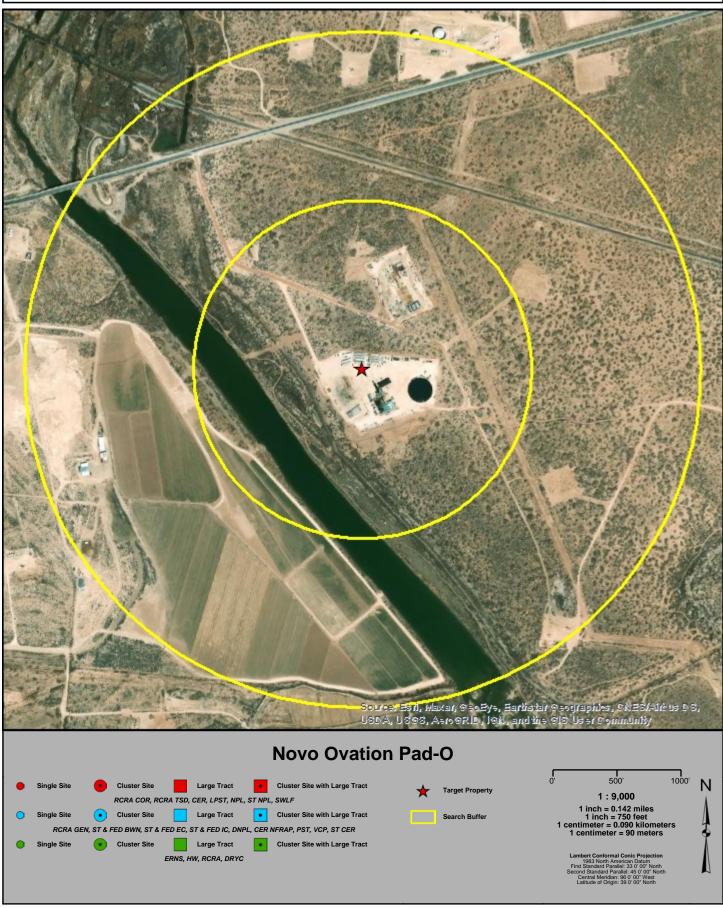
## **Topographic Overlay Map - 1 Mile Radius**





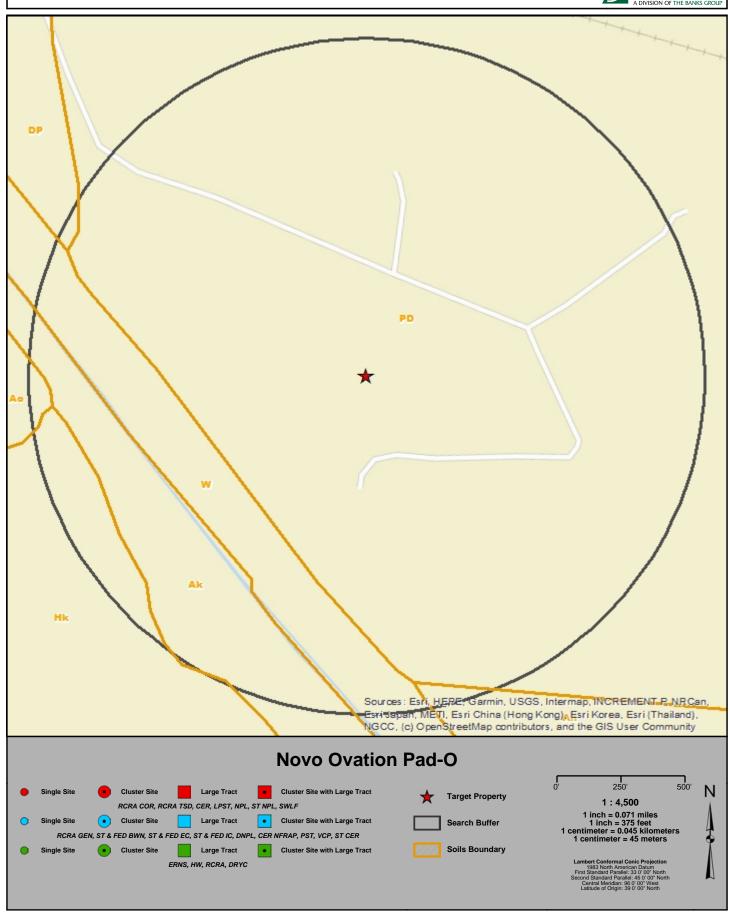
## **Current Imagery Overlay Map - 0.5 Mile Radius**





## Soil Survey Map - 0.25 Mile Radius







Soils Types Found

Target Property P

Within 0.25 miles of Target Property Hk, PD, DP, Ao, Ak, W, Ah

5

**Soil Type Descriptions** 

Ah - Anthony sandy loam, 0 to 1 percent slopes
Percent Hydric

Minimum Depth to Bedrock

Anthony (95 percent)

Hydrologic Group Low runoff potential
Soil Drainage Class Well drained
Corrosion Potential - Uncoated Steel Moderate

**Depth to Restrictive Feature** 

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Sandy Ioam	0 cm	15 cm	A-4	SM
H2	Sandy loam	15 cm	152 cm	A-4	SM

Harkey (3 percent)

Hydrologic Group Moderately low runoff potential

Soil Drainage Class Well drained
Corrosion Potential - Uncoated Steel High
Depth to Restrictive Feature

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Very fine sandy loam	0 cm	23 cm	A-4	CL-ML, ML
H2	Loam	23 cm	152 cm	A-4	CL, CL-ML, ML

Arno (2 percent)

 Hydrologic Group
 High runoff potential

 Soil Drainage Class
 Moderately well drained

Corrosion Potential - Uncoated Steel High

**Depth to Restrictive Feature** 

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Silty clay loam	0 cm	23 cm	A-7-6	CL
H2	Clay	23 cm	152 cm	A-7-6	CH, CL

Ak - Arno-Harkey complex, saline, 0 to 1 percent slopes
Percent Hydric 2

Minimum Depth to Bedrock

Arno (50 percent)

 Hydrologic Group
 High runoff potential

 Soil Drainage Class
 Moderately well drained

Corrosion Potential - Uncoated Steel High

**Depth to Restrictive Feature** 

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Silty clay loam	0 cm	23 cm	A-7-6	CL
H2	Silty clay	23 cm	152 cm	A-7-6	CH, CL

Harkey (25 percent)

Hydrologic Group Moderately low runoff potential

Soil Drainage Class Well drained
Corrosion Potential - Uncoated Steel High

**Depth to Restrictive Feature** 



Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Very fine sandy loam	0 cm	23 cm	A-4	CL-ML, ML
H2	Very fine sandy loam	23 cm	152 cm	A-4	CL, CL-ML, ML

Unnamed soils (23 percent)

Anthony (1 percent)

Hydrologic Group

Moderately low runoff potential

Soil Drainage Class

Well drained

Corrosion Potential - Uncoated Steel

High

Depth to Restrictive Feature

Horizon **Soil Texture Upper Boundary Lower Boundary** AASHTO Unified Н1 A-4 SM 0 cm 15 cm Sandy loam 152 cm H2 SM A-4 Sandy loam 15 cm

Pima variant (1 percent)

Hydrologic Group Moderately low runoff potential

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel High

Depth to Restrictive Feature

**AASHTO** Unified Horizon **Soil Texture Upper Boundary Lower Boundary** CL-ML Н1 Silt loam 0 cm 8 cm A-4 H2 Clay loam 8 cm 152 cm A-6 CL

Ao - Atoka loam, 0 to 1 percent slopes

Percent Hydric 0
Minimum Depth to Bedrock

Atoka (97 percent)

Hydrologic Group Moderately high runoff potential

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel Moderate

Depth to Restrictive Feature 51 to 102 cm to Petrocalcic

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Loam	0 cm	20 cm	A-4	CL-ML
H2	Loam	20 cm	84 cm	A-4, A-6	CL, CL-ML
Н3	Indurated	84 cm	94 cm		

Atoka (1 percent)

Hydrologic Group Moderately high runoff potential

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel High

Depth to Restrictive Feature 51 to 102 cm to Petrocalcic

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Loam	0 cm	20 cm	A-4	CL-ML
H2		20 cm	84 cm	A-4, A-6	CL, CL-ML
Н3	Indurated	84 cm	94 cm		

Reagan (1 percent)

Hydrologic Group Moderately low runoff potential

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel High

Depth to Restrictive Feature

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Loam	0 cm	20 cm	A-6	CL
H2		20 cm	152 cm	A-6, A-7-6	CL



Upton (1 percent)	
Hydrologic Group	Moderately high runoff potential
Soil Drainage Class	Well drained
Corrosion Potential - Uncoated Steel	High
Depth to Restrictive Feature	18 to 51 cm to Petrocalcic

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Gravelly loam	0 cm	23 cm	A-4, A-6	CL, GC, SC
H2		23 cm	33 cm	A-4, A-6	CL, GC, SC
Н3	Cemented	33 cm	53 cm		
H4		53 cm	152 cm	A-2, A-4, A-6	GC, GP-GC, SC, SP-SC

DP - Dev-Pima complex, 0 to 3 percent slopes

Percent Hydric 0

Minimum Depth to Bedrock

Dev (55 percent)

Hydrologic Group
Low runoff potential

Soil Drainage Class
Well drained

Corrosion Potential - Uncoated Steel
Depth to Restrictive Feature

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Very gravelly loam	0 cm	38 cm	A-2, A-4, A-6, A-7	GC, SC
H2	Very gravelly loam	38 cm	152 cm	A-2-4, A-2-6, A-6, A-7	GC, GP-GC, SC, SP-SC

Pima (30 percent)

Hydrologic Group

Moderately high runoff potential

Soil Drainage Class

Well drained

Corrosion Potential - Uncoated Steel

Moderate

Depth to Restrictive Feature

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Silt loam	0 cm	8 cm	A-4	CL-ML
H2	Silty clay loam	8 cm	152 cm	A-6	CL

Unnamed soils (15 percent)

Hk - Harkey very fine sandy loam, 0 to 1 percent slopes

Percent Hydric 3

Minimum Depth to Bedrock

Harkey (95 percent)

Hydrologic Group Moderately low runoff potential

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel Moderate

Depth to Restrictive Feature

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Very fine sandy loam	0 cm	23 cm	A-4, A-6	CL, CL-ML
H2	Very fine sandy loam	23 cm	221 cm	A-4	CL-ML

Unnamed soils (2 percent)

Anthony (1 percent)

Hydrologic Group Moderately low runoff potential

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel High

Depth to Restrictive Feature



Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Sandy loam	0 cm	15 cm	A-4	SM
H2	Sandy loam	15 cm	152 cm	A-4	SM

Arno (1 percent)

Hydrologic Group High runoff potential

Soil Drainage Class Moderately well drained

Corrosion Potential - Uncoated Steel High

Depth to Restrictive Feature

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Silty clay loam	0 cm	23 cm	A-7-6	CL
H2	Clay	23 cm	152 cm	A-7-6	CH, CL

Pima variant (1 percent)

Hydrologic Group Moderately low runoff potential

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel High

Depth to Restrictive Feature

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Silt loam	0 cm	8 cm	A-4	CL-ML
H2	Clay loam	8 cm	152 cm	A-6	CL

PD - Pajarito-Dune land complex, 0 to 3 percent slopes

Percent Hydric 0

Minimum Depth to Bedrock

Pajarito (46 percent)

Hydrologic Group Low runoff potential

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel Moderate

Depth to Restrictive Feature

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Fine sandy loam	0 cm	23 cm	A-2, A-4	SM
H2	Fine sandy loam	23 cm	91 cm	A-2, A-4	SM
Н3	Fine sandy loam	91 cm	183 cm	A-2, A-4	ML, SM

#### Dune land (45 percent)

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Sandy loam	0 cm	15 cm	A-4	SM
H2	Sandy loam	15 cm	152 cm	A-4	SM

Rock outcrop (5 percent)

Hydrologic Group High runoff potential

Soil Drainage Class

Corrosion Potential - Uncoated Steel

Depth to Restrictive Feature 0 to 0 cm to Lithic bedrock

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Bedrock	0 cm	152 cm		

 Largo (4 percent)

 Hydrologic Group
 Moderately low runoff potential

 Soil Drainage Class
 Well drained

 Corrosion Potential - Uncoated Steel
 High

 Depth to Restrictive Feature



Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	Loam	0 cm	10 cm	A-4	CL-ML
H2		10 cm	119 cm	A-4	CL-ML
H3		119 cm	152 cm	A-6	CL

W - Water	
Percent Hydric	0
Minimum Depth to Bedrock	

Water (100 percent)

### **Soils Descriptions**



AASHTO Classification Definitions	
A-1, A-1-a, A-1-b	Granular materials (35% or less passing No. 200 sieve), sonte fragments, gravel and sand
A-2, A-2-4, A-2-5, A-2-6, A-2-7	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand
A-3	Granular materials (35% or less passing No. 200 sieve), fine sand
A-4	Silt-Clay materials (more than 35% passing No. 200 sieve), silty soils
A-5	Silt-Clay materials (more than 35% passing No. 200 sieve), silty soils
A-6	Silt-Clay materials (more than 35% passing No. 200 sieve), clayey soils
A-7, A-7-5, A-7-6	Silt-Clay materials (more than 35% passing No. 200 sieve), clayey soils
A-8	Silt-Clay materials (more than 35% passing No. 200 sieve), clayey soils

Unified Classification Definitions	
СН	Fine-grained soils, silts and clays (liquid limit is 50% or more), Fat Clay
CL, CL-A (proposed), CL-K (proposed), CL-ML, CL-O (proposed), CL-T (proposed)	Fine-grained soils, silts and clays (liquid limit is less than 50%), Lean Clay
GC, GC-GM	Coarse-grained soils, Gravels, gravel with fines, Clayey Gravel
<b>GM</b>	Coarse-grained soils, Gravels, gravel with fines, Silty Gravel
GP, GP-GC, GP-GM	Coarse-grained soils, Gravels, clean gravels, Poorly Graded Gravel
GW, GW-GC, GW-GM	Coarse-grained soils, Gravels, clean gravels, Well-Graded Gravel
MH, MH-A, MH-K, MH-O, MH-T	Fine-grained soils, silts and clays (liquid limit is 50% or more), Elastic Silt
ML, ML-A (proposed), ML-K (proposed), ML-O (proposed), ML-T (proposed)	Fine-grained soils, silts and clays (liquid limit is less than 50%), Silt
OH, OH-T (proposed)	Fine-grained soils, silts and clays (liquid limit is 50% or more), Organic Clay or Organic Silt
OL	Fine-grained soils, silts and clays (liquid limit is less than 50%), Organic Clay or Organic Silt
PT	Highly organic soils, Peat
SC, SC-SM	Coarse-grained soils, Sands, sands with fines, Clayey Sand
sм	Coarse-grained soils, Sands, sands with fines, Silty Sand
SP, SP-SC, SP-SM	Coarse-grained soils, Sands, clean sands, Poorly Graded Sand
SW, SW-SC, SW-SM	Coarse-grained soils, Sands, clean sands, Well-Graded Sand

#### Source

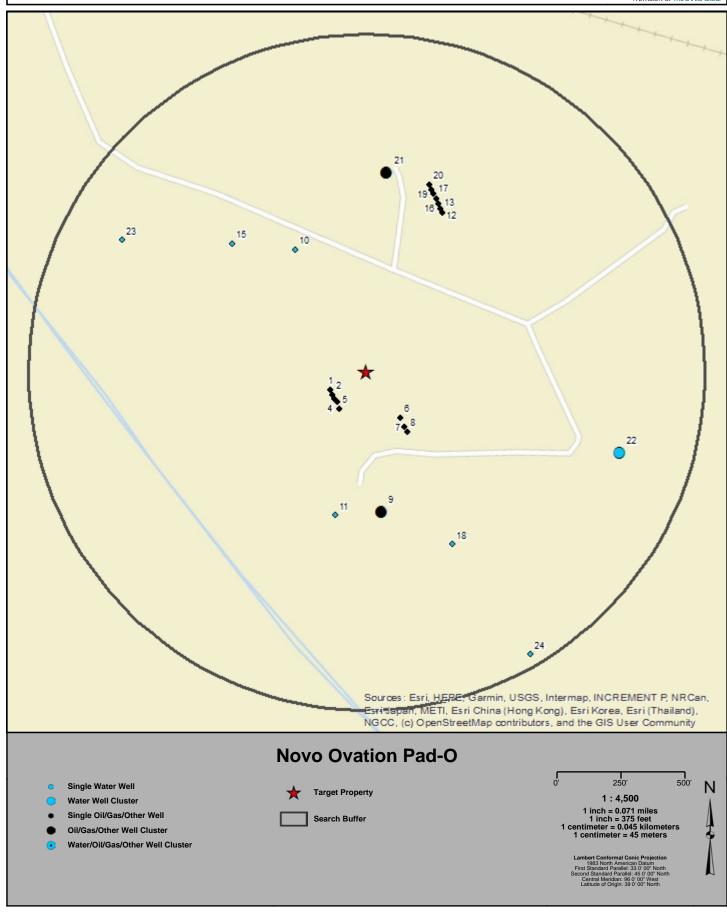
Natural Resources Conservation Service, Soil Survey Geographic (SSURGO) Database.

#### Disclaimer

This Soils Survey from Banks Environmental Data, Inc. has searched Natural Resources Conservation Service (NRCS) and the Soil Survey Geographic Database (SSURGO). All soil data presented on the map and in the details section are based on information obtained from NRCS. Although Banks performs quality assurance and quality control on all data, inaccuracies of the data and mapped locations could possibly be traced to the source. Banks Environmental Data, Inc. cannot fully guarantee the accuracy of the SSURGO database maintained by NRCS.

## Water & Oil/Gas Wells Map - 0.25 Mile Radius





#### Water & Oil/Gas Wells



Map ID	Well ID	Owner	Well Type	Elevation
1	30-015-49074	[372920] NOVO OIL & GAS NORTHERN DELAWARE,	New	2979 ft (-3)
2	30-015-49075	[372920] NOVO OIL & GAS NORTHERN DELAWARE,	New	2978 ft (-4)
3	30-015-49073	[372920] NOVO OIL & GAS NORTHERN DELAWARE,	New	2979 ft (-3)
4	30-015-49072	[372920] NOVO OIL & GAS NORTHERN DELAWARE,	New	2978 ft (-4)
5	30-015-49076	[372920] NOVO OIL & GAS NORTHERN DELAWARE,	New	2978 ft (-4)
6	30-015-49417	[372920] NOVO OIL & GAS NORTHERN DELAWARE,	New	2981 ft (-1)
7	30-015-49330	[372920] NOVO OIL & GAS NORTHERN DELAWARE,	New	2980 ft (-1)
8	30-015-49331	[372920] NOVO OIL & GAS NORTHERN DELAWARE,	New	2981 ft (-1)
9	3001526350	CHEVRON U S A INC	Plugged (site released) - Oil	2977 ft (-5)
9	30-015-26350	[4323] CHEVRON U S A INC	Plugged, Not Released	2977 ft (-5)
10	C-01256	U.S. BORAX & CHEM. CORP.	Water: EXPLORATION	2982 ft (+)
11	USGS321830104030301	USGS	Water: Not Reported	2972 ft (-9)
12	30-015-49122	[372920] NOVO OIL & GAS NORTHERN DELAWARE,	New	2984 ft (+3)
13	30-015-49103	[372920] NOVO OIL & GAS NORTHERN DELAWARE,	New	2984 ft (+3)
14	30-015-49098	[372920] NOVO OIL & GAS NORTHERN DELAWARE,	New	2984 ft (+3)
15	USGS321836104031001	USGS	Water: Not Reported	2979 ft (-2)
16	30-015-49102	[372920] NOVO OIL & GAS NORTHERN DELAWARE,	New	2984 ft (+3)
17	30-015-49100	[372920] NOVO OIL & GAS NORTHERN DELAWARE,	New	2984 ft (+3)
18	USGS321825104025901	USGS	Water: Not Reported	2980 ft (-2)
19	30-015-49104	[372920] NOVO OIL & GAS NORTHERN DELAWARE,	New	2984 ft (+3)
20	30-015-49121	[372920] NOVO OIL & GAS NORTHERN DELAWARE,	New	2984 ft (+3)
21	3001526347	CHEVRON U S A INC	Plugged (site released) - Oil	2984 ft (+2)
21	30-015-26347	[4323] CHEVRON U S A INC	Plugged, Site Released	2984 ft (+2)
22	C-01293	U.S. BORAX & CHEM. CORP.	Water: EXPLORATION	2981 ft (-1)
22	C-01212	U.S. BORAX & CHEM. CORP.	Water: EXPLORATION	2981 ft (-1)
22	C-00791	MISSISSIPPI CHEMICAL COMPANY	Water: MINING OR MILLING OR OIL	2981 ft (-1)
23	C-01257	U.S. BORAX & CHEM. CORP.	Water: EXPLORATION	2970 ft (-12)
24	USGS321821104025501	USGS	Water: Not Reported	2973 ft (-8)

#### Source

U.S. Geological Survey, New Mexico Office of the State Engineer, New Mexico Oil Conservation Division

#### Disclaimer

This well scan from Banks Environmental Data, Inc. has included a digital search of state and federal wells currently digitized in our geospatial database. Since this scan includes only well data that is currently mapped in our geospatial database, more wells could exist within the search area. For a complete well search or to locate more details, please contact Banks to obtain a full Water Well Report or Oil & Gas Well/Pipeline Search Report. More detailed individual well records can also be obtained from Banks for an additional cost, please reference a Well ID # from this well scan.

All well locations are based on information obtained from state and federal sources. Although Banks performs quality assurance and quality control on all data, inaccuracies of the records and mapped locations could possibly be traced to the specific regulatory authority or individual well driller. Banks Environmental Data, Inc. cannot fully guarantee the accuracy of the data or well location(s) of the maps and records maintained by the state and federal agencies.

### **Mapped Sites Summary**



Banks Environmental Data performed a thorough search and no mapped sites were found.

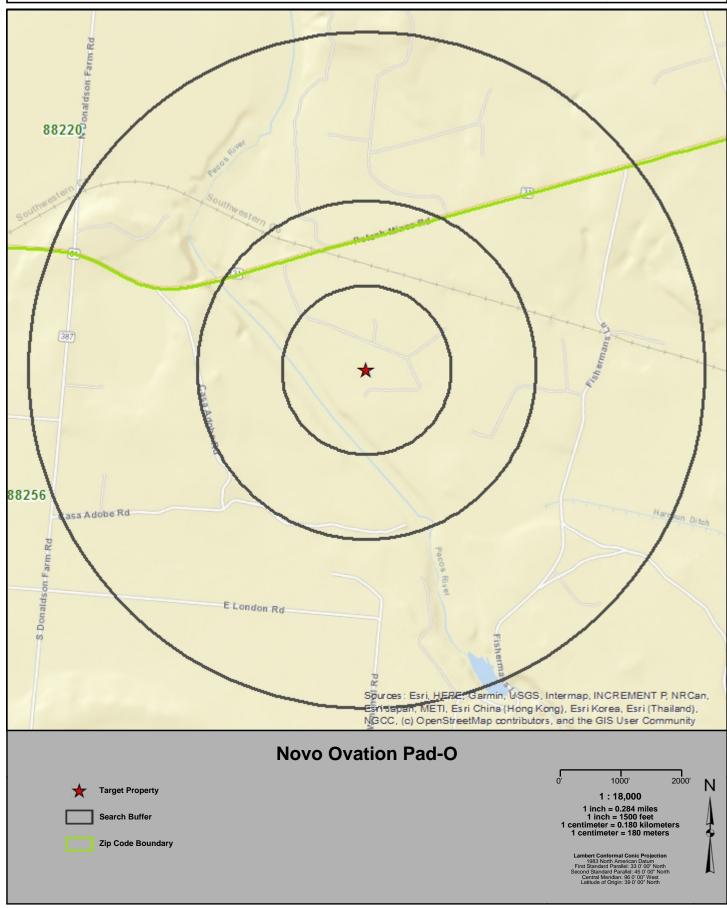
**Unmapped Sites Summary** 



Banks Environmental Data performed a thorough search and no unmapped sites were found.

## Zip Code Map - 1 Mile Radius





## **Dataset Descriptions and Sources**



Dataset	Source	Dataset Description	Update Schedule	Data Requested	Data Obtained	Data Updated	Source Updated
NPL National Priority List	EPA	NPL is the list of high priority hazardous waste sites in the United States eligible for long-term remedial action financed under the federal Superfund program or SEMS database (formerly known as the CERCLIS database). The EPA will only add sites to the NPL list based upon completion of the Hazard Ranking System (HRS) screening, public solicitation of comments about the proposed site, and after all comments have been addressed.	Quarterly	01/16/2023	01/16/2023	01/17/2023	12/22/2023
DNPL Delisted National Priority List	EPA	DNPL is a list of all sites that have been deleted from the EPA NPL list (SEMS database). These sites are taken off the NPL list usually due to no further response or remedial action being required on them. Notices to delete NPL sites are published in the Federal Register and become effective unless the EPA receives significant adverse or critical comments during the 30-day public comment period.	Quarterly	01/16/2023	01/16/2023	01/17/2023	12/22/2022
CER SEMS SEMS	ЕРА	The EPA maintains the SEMS database to track sites under the Comprehensive Environmental Response, Compensation, and Liability Act, a federal law designed to clean up abandoned hazardous waste sites. These sites are either proposed, listed or under review currently to be a part of the National Priority List.	Quarterly	01/16/2023	01/16/2023	01/17/2023	12/22/2022
CER SEMS NFRAP SEMS NFRAP	ЕРА	From the Superfund Enterprise Management System (SEMS) database No Further Remedial Action Planned or NFRAP have been removed from the listing. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the site being placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.	Quarterly	01/16/2023	01/16/2023	01/17/2023	12/22/2023
RCRA COR RCRA CORRACTS	EPA	These sites are registered hazardous waste generators or handlers that fall under the Resource Conservation and Recovery Act (RCRA) and subject to corrective action activity.	Quarterly	01/18/2023	01/18/2023	01/24/2023	01/16/2023
RCRA TSD RCRA non-CORRACTS TSD	EPA	This database lists all treatment, storage and disposal of hazardous material sites that fall under the Resource Conservation and Recovery Act (RCRA). All hazardous waste TSD facilities are required to notify EPA of their existence.	Quarterly	01/18/2023	01/18/2023	01/24/2023	01/16/2023
RCRA GEN RCRA Generators	ЕРА	The EPA regulates all Hazardous Waste Generators subject to the Resource Conservation and Recovery Act (RCRA). They are classified by the quantity of hazardous waste generated. A Small Quantity Generator (SQG) generates between 100kg and 1,000 kg of waste per month. A Large Quantity Generator (LQG) generates over 1,000 kg of waste per month. A Conditionally Exempt SQG (CEG) generates less than 100 kg of waste per month.	Quarterly	01/18/2023	01/18/2023	01/24/2023	01/16/2023
FED BWN Federal Brownfields	ЕРА	A listing of sites that assist the EPA in collecting, tracking, and updating information of sites in relation to the Small Business Liability Relief and Brownfields Revitalization Act. These sites are real property that is either abandoned or underutilized where redevelopment or expansion is complicated by real or perceived environmental contamination.	Quarterly	12/19/2022	12/19/2022	12/26/2022	12/19/2022
FED IC Federal Institutional Control	EPA	This is a listing of Brownfield Management System (BMS) sites that have had Institutional Controls (ICs) placed on them. ICs are administrative restrictions, such as legal controls, that help minimize the potential for human exposure to known contamination by ensuring appropriate land or resource use. ICs are meant to supplement Engineering Controls and will rarely be the sole remedy at a site. ICs are a type of Activity and Use Limitation (AUL).	Quarterly	12/19/2022	12/19/2022	12/26/2022	12/19/2022
FED EC Federal Engineering Control	ЕРА	This is a listing of Brownfield Management System (BMS) sites that have had Engineering Controls (ECs) placed on them. ECs are physical methods or modifications put into place on a site to reduce or eliminate the possibility of human exposure to known contamination. ECs are a type of Activity and Use Limitation (AUL).	Quarterly	12/19/2022	12/19/2022	12/26/2022	12/19/2022

## **Dataset Descriptions and Sources**



			Update	Data	Data	Data	Source
Dataset	Source	Dataset Description		Requested	Obtained	Updated	Updated
ERNS ERNS List	EPA/National Response Center	ERNS is a national database used to store information on unauthorized releases of oil and hazardous substances that have been reported to the National Response Center since 2001. The NRC is the sole federal point of contact for reporting oil and chemical spills. Prior to 2001 this information was maintained by the EPA.	Annually	01/09/2023	01/09/2023	01/09/2023	01/09/2023
ST NPL State/Tribal Equivalent NPL (NM)	N/A	This database is not currently available from this state. If this state does make this database available in the future, Banks Environmental Data will obtain it for reporting purposes.	N/A	N/A	N/A	N/A	N/A
ST CER State/Tribal Equivalent CERCLIS (NM)	N/A	This database is not currently available from this state. If this state does make this database available in the future, Banks Environmental Data will obtain it for reporting purposes.	N/A	N/A	N/A	N/A	N/A
SWLF State/Tribal Disposal or Landfill (NM)	NMED	This database contains a listing of all Solid Waste Landfills and other facilities that regulate the handling, processing, recycling, marketing of recycled materials, and disposal of non-hazardous solid waste. These sites are registered with the Solid Waste Bureau of the NMED.	Annually	01/25/2023	02/04/2022	02/04/2022	02/04/2022
LPST State/Tribal Leaking Storage Tank (NM)	NMED	This database is a listing of all underground storage tanks that are leaking or have been registered with New Mexico Environment Department (NMED) Petroleum Storage Tank Bureau.	Quarterly	10/25/2022	10/25/2022	01/16/2023	08/31/2022
LPST State/Tribal Leaking Storage Tank (NM)	EPA	The Tribal LUST database (maintained by EPA Region 6) provides information on leaking underground storage tank on tribal lands in Louisiana, Arkansas, Oklahoma, New Mexico and Tribal Nations.	Quarterly	12/29/2022	12/29/2022	12/29/2022	04/28/2022
PST State/Tribal Storage Tank (NM)	NMED	This database is a listing of all underground and aboveground storage tanks that are currently registered (or are now INACTIVE) with New Mexico Environment Department (NMED) Petroleum Storage Tank Bureau.	Quarterly	01/25/2023	01/25/2023	01/25/2023	08/31/2022
PST State/Tribal Storage Tank (NM)	EPA	The Tribal UST database (maintained by EPA Region 6) provides underground storage tank information on tribal lands in Louisiana, Arkansas, Oklahoma, New Mexico and Tribal Nations.	Quarterly	12/29/2022	12/29/2022	12/29/2022	04/28/2022
ST IC State/Tribal Institutional Control (NM)	NMED	This database contains state Voluntary Cleanup Program sites that have an Institutional Control (ICs) placed on them. ICs are administrative restrictions, such as legal controls, that help minimize the potential for human exposure to known contamination by ensuring appropriate land or resource use.	Quarterly	01/25/2023	01/25/2023	01/26/2023	12/15/2022
ST EC State/Tribal Engineering Control (NM)	N/A	This database is not currently available from this state. If this state does make this database available in the future, Banks Environmental Data will obtain it for reporting purposes.	N/A	N/A	N/A	N/A	N/A
VCP State/Tribal Voluntary Cleanup (NM)	NMED	This database contains a listing of active and closed sites in the Voluntary Remediation Program for the state of New Mexico.	Quarterly	01/25/2023	01/25/2023	01/26/2023	12/15/2022
ST BWN State/Tribal Brownfield (NM)	NMED	This database is a listing of all brownfield sites have been registered with New Mexico Environment Department (NMED) Brownfield Program.	Quarterly	01/25/2023	01/25/2023	01/25/2023	12/15/2022
ST BWN State/Tribal Brownfield (NM)	N/A	This database is not currently available from this state. If this state does make this database available in the future, Banks Environmental Data will obtain it for reporting purposes.	N/A	N/A	N/A	N/A	N/A
HW State/Tribal Hazardous Waste (NM)	N/A	This database is not currently available from this state. If this state does make this database available in the future, Banks Environmental Data will obtain it for reporting purposes.	N/A	N/A	N/A	N/A	N/A

## **Dataset Descriptions and Sources**



Dataset	Source	Dataset Description	Update Schedule	Data Requested	Data Obtained	Data Updated	Source Updated
RCRA RCRA	EPA	This database lists all sites that fall under the Resource Conservation and Recovery Act (RCRA) and are not classifiable as treatment, storage, disposers of hazardous material, hazardous waste generator or subject to corrective action activity.	Quarterly	01/18/2023	01/18/2023	01/24/2023	01/16/2023
DRYC Dry Cleaners (NM)	N/A	This database is not currently available from this state. If this state does make this database available in the future, Banks Environmental Data will obtain it for reporting purposes.	N/A	N/A	N/A	N/A	N/A

#### Disclaimer



The Banks Environmental Data Regulatory Database Report was prepared based upon data obtained from State, Tribal, and Federal sources known to Banks Environmental Data at the time the data was obtained. Great care has been taken by Banks in obtaining the best available data from the best available sources. However, there is a possibility that there are sources of data applicable or pertaining to this report's target property, and/or surrounding properties, to which Banks does not have access or has not accessed. Furthermore, although Banks Environmental Data performs quality assurance and quality control on all data, including data it obtains. Banks recognizes that inaccuracies in data from these sources may, and do, exist; accordingly, inaccurate data may have been used or relied upon in the preparation of this report. Even though Banks Environmental Data performs a thorough and diligent search to locate and fix any inaccuracies in the data relied upon in the preparation of this report, Banks cannot guarantee or warrant the accuracy of the locations, information, data, or report. The purchaser of this report accepts this report "as is" and assumes all risk related to any potential in accuracy contained in the report or not reported in it, whether due to a reliance by Banks Environmental Data on inaccurate data, or for any other reason [including but not limited to the negligence or express negligence of Banks Environmental Data]. If this report is being used for the Records Review section of a Phase I Site Assessment according to the ASTM 1527-21, for EPA's All Appropriate Inquiry, or for any other purpose (public or private), all liability and responsibility is assumed by the Environmental Professional or other individual or entity acquiring the report.



**APPENDIX C** Photographic Documentation

# Appendix C Photograph Log – Ovation Pad-O Heater Treater Fire Tube Release Incident ID: nAPP2300944751



View southeast at overall release area



View northeast at released fluids prior to removal

# Appendix C Photograph Log – Ovation Pad-O Heater Treater Fire Tube Release Incident ID: nAPP2300944751



View south at soil excavation area



View west at soil excavation area

# Appendix C Photograph Log – Ovation Pad-O Heater Treater Fire Tube Release Incident ID: nAPP2300944751



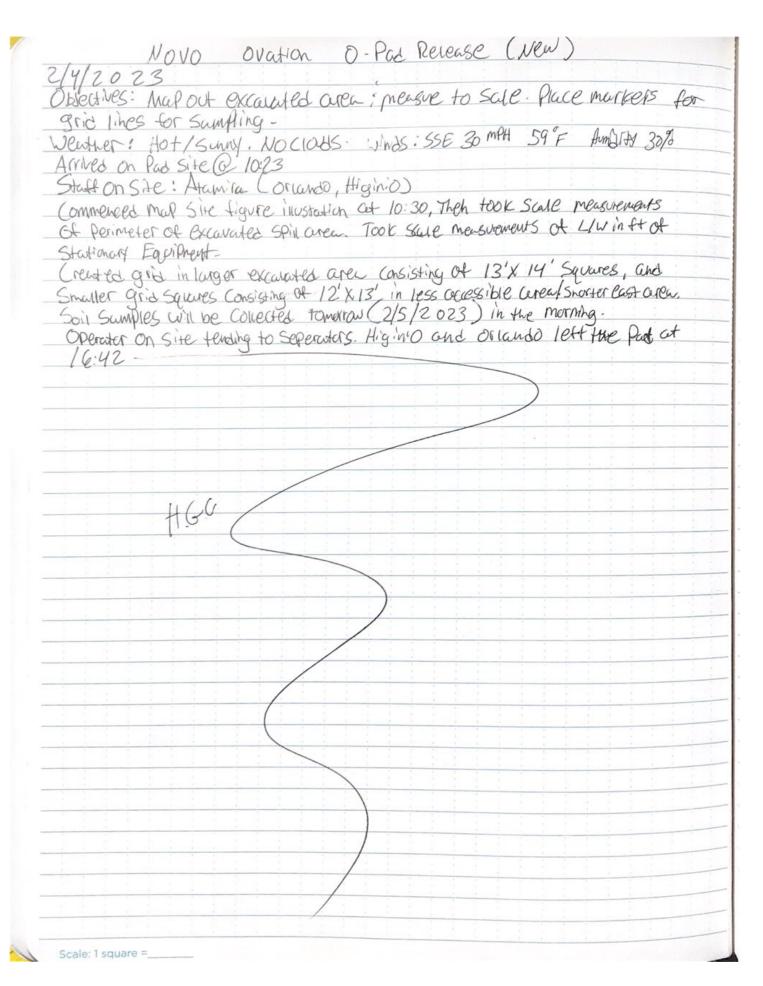
View along north sloped portion of excavation



View southwest at excavated area around equipment



**APPENDIX D** Field Documentation





Client: Doch Ocafion Date: 2/10/203

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**APPENDIX E** Waste Management Documentation

308.R360-5240

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		GENERATOR	NO	質の食物が
Operator No.		Permit/RRC No.		
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City, State, Zip Phone No.	CILY DE #3116	API No. Rig Name & No. AFE/PO No.	59 - OIS - 71 / 74	49/2/
EXEMPT E&P Oil Based Muds	Waste/Service Identification and NON-INJECTABLE WATERS	d Amount (place volume next to v		c yards)
Oil Based Cuttings Waste Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste	Washout Water (Non-Inject Completion Fluid/Flow Back Produced Water (Non-Inject Gathering Line Water/Wast INTERNAL USE ONLY Truck Washout (exempt wa	table) k (Non-Injectable) stable) te (Non-Injectable)	JNJECTABLE WATERS  Washout Water (Inject Completion Fluid/Flow Produced Water (Inject Gathering Line Water/OTHER EXEMPT WAST	/ Back (Injectable) table)
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## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

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## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

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Sporter's neres Briver's Name Phone No. Truck No.  The No. Entry 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 DELIVERYDATE DELIVERYDATE DRIVER'S SIGNATURE TRUCK TIME STAMP DISPOSAL FACILITY RECEIVING AREA Name/No.  Name/ Init No ress NO Haftway Facility / NM1-006 G001 Hobbs Hwy US 62 / 190 Mile Marker 66 Carlshad, NM 88220  NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgents? (Circle One) YES NO NORM (ImR/hr)  TANK BOTTOMS  Feet Inches BS&W/BBLS Received BS&W (%) Free Water Total Received Proceedings of the process of t	SPORTER'S LEVEL TO THE STAMP DISPOSAL FACILITY RECEIVING AREA Name/No.  Name/No Truck Time STAMP DISPOSAL FACILITY RECEIVING AREA Name/No.  Name/Nit No Got Habbs Hwy US 62 / 180 Mile Marker 66 Carisbad, NM 88220  NORM READINGS TAKEN? (Circle One) YES NO NORM (mR/hr)  PASS THE PAINT FILTER TEST? (Circle One) YES NO NORM (mR/hr)  TANK BOTTOMS  BSSW/BBLS Received BSSW (%)  Feet Inches BSSW/BBLS Received BSSW (%)  NAME(PRINT) DATE TO DENIED IF denied, Willy?		40 CFR 261.21-261.24, o waste as non-hazardous MSDS Information	r listed hazardous waste as is attached. (Check the app RI as, non-oilfield waste that h	defined by 40 CFR, part 261, s propriete items as provided) CRA Hazardous Waste Analysi has been ordered by the Depar	subpart D, as amended. The f	Other (Provide Description Below)
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mit No. dress    Halfway Facility / NM1-U06   Phone No.   S73-887-6304	TANK BOTTOMS  Feet Inches  Guage  Guage  Guage  Guage  Free Water  Free Water  Total Received  NAME (PRINT)  DATE  RULE  Phone No. 379-887-9304  Phone	PEMERGENCY NON-OILFII  (PRINT) AU  Insporter's me dress  one No. reby certify that the above n  SHIPMENT DATE  TRUCK TIM	40 CFR 261.21-261.24, o waste as non-hazardous  MSDS Information  ELD Emergency non-hazardou determination and a des  THORIZED AGENTS SIGNATURE  amed material(s) was/were picked  DRIVER'S STAMP	r listed hazardous waste as is attached. (Check the application of the waste that he cription of the waste must a transfer of the waste must be used to the waste must be used t	CRA Hazardous Waste Analysi CRA Hazardous Waste Analysi DATE  DATE  Driver's Name Phone No. Truck No.	subpart D, as amended. The first is truent of Public Safety (the or street of Public Safety (t	Other (Provide Description Below)  der, documentation of non-hazardous w  GNATURE  facility listed below.  DRIVER'S SIGNATURE
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## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

TARRETTO	-	-	-	

WHOMMENTAL SOLUTIONS	(PLEASE PRIA	(PLEASE PRINT) *REQUIRED INFUNIVATION Phone No			
	GENERAT		NO. 7	005700	
perator No.	Lea	ermit/RRC No ease/Well	Durakisa	2100	
perators Nameddress		ame & No ounty	ESSY		
ty, State, Zip	the second secon	PI No g Name & No	0.5		
none No.		FE/PO No. —			
	vice Identification and Amount (place N INJECTABLE WATERS	a volume next to waste	INJECTABLE WATERS	3)	
Ill Based Cuttings Waste Based Muds Cor	shout Water (Non-Injectable) mpletion Fluid/Flow Back (Non-Injectable)		Washout Water (Injectable) Completion Fluid/Flow Back (	Injectable)	
roduced Formation Solids Gar	duced Water (Non-Injectable) thering Line Water/Waste (Non-Injectable	e)	Produced Water (Injectable) Gathering Line Water/Waste		
&P Confarmated Soil	ERRIAL USE ONLY ck Washout (exempt waste)		OTHER EXEMPT VAASTES GVE	e and generation process of the wa	
VASTE GENERATION PROCESS: DRILLING	COMPLETION	PRODUCTION	☐ GATHERING	ELINES	
AW non-awaren PAR water m	NON-EXEMPLEAP Waste/Service ust be analysed and be below threshold I	Identification and Amoun	t pritability, Corrosivity, ada Reactr	yity .	
Von-Exempt Other	Set Us an adjusted settle to see the settle	*please select f	from Non-Exempt Waste List	on back	
1 YTITVAUC	B - BARRELS L - L	IQUID.	Y - YARDS	E - EACH	
40 CFR 261.21-261.24 waste as non-hazard MSDS Information		y 40 CFR, part 261, subpart ems as provided) dous Waste Analysis	t D, as amended. The following C	rovide Description Below)	
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	NEW MEXICO	NON-HAZARDOUS OILFIELD W	ASTE MANIFE	Name		
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		GENERATOR		NO. 5	RARIT	
		Permit/F		7777	1719 3	224
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erators Name	303	County			19103	
dress — A A A A A A A A A A A A A A A A A A	Deve Dive	API No.				
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y, State, Zip		AFE/PC	) No	The baseout or right yard	ds)	
one No.	p Waste/Service Identific	ation and amount (place volume	next-to waste tyl	ABLE WATERS		
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Ill Based Cuttings	Completion Elisid/Flo	M Dark (Nott-interrupted)	Produ	iced Water (Injectable)	ectable)	
Nater Based Muds  Nater Based Cuttings	Produced Water (No	n-injectable) r/Waste (Non-Injentable)	Gathe	ering Line Water/Waste (Injury)	gomeration products of the	waster.
Produced Formation Solids	Truck Washout (exe	And the second s				
EXP Contaminated Soil	Trinck Washout (exe	The second secon	□ PRO	DUCTION	GATHERING LINE	S
Gas Plant Waste WASTE GENERATION PROCESS:	DRILLING	COMPLETION		The state of the s		
WASTERSTAN	NON	EXEMPT 58 P Waste Service Identificated and he below the threshold limits to *ple	r toximity (TELP) (8)	attability, Corresivity and Rec	actoly,	
All non-exemp	pt E&P waste must be analy	*pli	ease select from No	on-Exempt Waste List on bo		- FACU
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SHIP	TRUCK TIME STAMP	DISPOSAL	FACILITY	Name/No.		3
IN: Site Name/ Permit No.	OUT:  Haifway Facility / NM1-006  6601 Hobbs Hwy US 62/180 Mile Marke	er 66 Carlsbad, NM 88220	Phone No.	575-393-1079  rading > 50 micro roentgens? (circle one)	YES	NO
Address P	NORM READINGS TAKEN? (Circle One) ASS THE PAINT FILTER TEST? (Circle One)	YES NO	NO OTTOMS	saung 750 mee 1880		
1st Gauge 2nd Gauge Received	Fact	inches		BS&W/BBLS Received Free Water Total Received	BS&W (%)	

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

NEME (PRINT)



	10000	P. Carlot	No de la constante	0000		257-156	88285V
Nam	0			DER.	註:		
Main	C	SHAR			150 J	W. Bar	

			9 TE 10 18 SE	Phone No.
		GENERAT	OR	NO. 500003
Operator No.			Permit/RRC No.	
Operators Name	J Car		Lease/Well Name & No.	Postur tel Com 13/8/3
	one Sherra	Eled .	County	
5.14. 2			API No.	20 4015 3/1098
City, State, Zip	10/11/08	731%	Rig Name & No.	
hone Na.	186-4	75/	AFE/PO No.	
EXEMPT E	&P Waste/Service Iden	Uhraiten and Amount tolace	volume next to v	Waste type in Barrels of rubic years)
Oil Based Muds	NORMNETTABLE	WATERS		I INTECRABLE WATERS
Oil Based Cuttings	Washout Water () Completion Fluid,	Non-Injectable) /Flow back (Non-Injectable)		Washout Water (Injectable) Completion Fluid/Flow back (Injectable)
Water Based Cuttings Produced Formation Solids	Produced Water (			Produced Water (Injectable)
Tank Bortoms	NATERNAL USE OA	ater/Waste (Non-Injectable)		Gathering Line Water/Waste (Injectable)  UTHER EXEMPT WASTES (type and seneration process of the waste)
E&P Conteminated Soll Gas Plant Waste	Truck Washout (e	xempt waste)		
WASTE GENERATION PROCESS:	DRILLING	COMPLETION		PRODUCTION GATHERING LINES
		AL EVERANT CONCESS OF THE PARTY OF		
All mon-exemp		heEXEMPT E&P Waste/Service Idi used and be below the threshold if		CLP), Ignitability, Corroswiry and Reactivity
Ion-Exempt Other			*please select fr	rom Nan-Exempt Waste List on back
QUANTITY		B - BARRELS	LUQUID	V. VARDS
BETTER LONG OF EMERICA			L - LIQUID	Y-YARDS E-EACH
hereby certify that according to the Resource oad is (Check the appropriate classification)	Conservation and Recover	y Act (RCRA) and the US Environn	nental Protection A	gency's July 1988 regulatory determination, the above described wast
	astes generated from oil ar	nd gas exploration and production	operations and are	e not mixed with non-exempt waste (R360 Accepts certifications on a
load basis	only)			
				waste hazardous by characteristics established in RCRA regulations, 40 mended. The following documentation demonstrating the waste as nor
		propriate items as provided)	or, suppart o, as an	rended. The following documentation demonstrating the waste as nor
MSDS Info	rmation	RCRA Hazardous Waste Analysis	T.	Other (Provide Description Below)
				of Public Safety (the order, documentation of non-hazardous waste
determina	tion and a desciption of the	e waste must accompany this form	n)	
(PRINT) AUTHORIZED AGENTS NAME			DATE	SIGNATURE
		TRANSPOR	TER	THE PARTY OF THE P
ransporter's				30.
ame			Driver's Name	
ddress			Print Name	
hone No.	9-111		Phone No.	- 1 AM 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			Truck No.	
nereby certify that the above named material	s) was/were picked up at t	he Generator's site listed above a	nd delivered withou	out incident to the disposal facility listed below.
SHIPMENT DATE	DRIVER'S SIGNATURE		DELIVE	ERY DATE DRIVER'S SIGNATURE
TRUCK TIME STA	MP	DISPOSAL FA	CILITY	RECEIVING AREA
N: OUT:				Name/No.
ite Name/				I Name/No.
ermit No. Halfway Facility / NM1-006			Phone No.	575-393-1079
ddress 5601 Hobbs Hwy US 62/180 f	Mile Marker 66 Carlsbad, N	M 88220		
NORM READINGS TAKEN? (Circle	e One) YES	NC NC	If YES, was readi	ing > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle	e One) YE	S. T.	NO	
		TANK BOTT	OIVIS	Manufacture de la companya del companya del companya de la company
Feet	Inch	es .		
st Gauge nd Gauge			888	8 W/BBLS Received BS&W (%)
eceived			7 10 10	Free Water Total Received
I hereby certify that the above load material	has been (circle one):	ACCEPTED DENIED	If denied, why?	
NAME (PRINT)	( A bar		THE STATE OF THE S	SIGNATURE



Co	mnany Man Cor	ntact Information
Name_	impurty Midtle Col	Line in the state of
Phone No.		
NO. 5	88815	
Hen Led		
<b>河路</b>		
varcels or cubic yard	s)	
WATERS ter (injectable)		
Huid/Flow back (Inject	able)	
ater (Injectable) ne Water/Waste (Injec	table)	
T WASTES flype and go	ecration process of t	in waste)
M I I	CATHERNICH	urc
ON L	GATHERING LIN	VES.
Correspond Reach		
ot Waste List on back		
Y-YARDS		E - EACH
8 regulatory determina	ation, the above de	escribed waste
n non-exempt waste (R		
e Description Below)		
(the order, documenta	non or non-nazare	ious waste
SIGN	ATURE	
		TOTAL PROPERTY AND AND ADDRESS OF THE ADDRESS OF TH
4011	5	e i Tra
	X 3 68	
	and the	
e disposal facility liste	d below.	
	DRIVER'S SIGNATURE	
	NG AREA	
me/No.		*
		10 May 1
oentgens? (circle one)	YES	NO
ved	BS&W (%)	

WAR CHARLES TO SCUTTON		(PLEASE PRIN	IT)	Name Phone No.	
		GENERAT	OR	NO.	SARRESTE
Operator No.  Operators Name  Address  Sity, State, Zip  Phone No.	10-5 10-0-5   Blue 11   02   750		Permit/RRC No. Lease/Well Name & No. County API No. Rig Name & No. AFE/PO No.	961 on Feb.	
	Vaste/Service Identification a	nd Apount (place)	solume next to war		ras)
Oil Based Muds Oil Based Cuttings Water Based Cuttings Produced Formation Solids Tank Bottoms	Washout Water (Non-Injectal Completion Fluid/Flow back II Prodused Water (Non-Injectal Gathering Line Water/Waste INTERNAL dat ONL) Truck Washout (exempt waste	Non-injectable) ible) (Non-injectable)		INFC 1-81E WATERS Washout Water (Injectable) Completion Fluid/Flow back (Inje Produced Water (Injectable) Gathering Line Water/Waste (Injectable) COMPLEXITY WAS INVESTINATION	ectable)
VASTE GENERATION PROCESS:	DRILLING	COMPLETION		PRODUCTION	GATHERING LINES
Ali min-exempl. EAR	NOW FXEMPT ( P waste must be analysed and be	FAR Waste/Service file below the threeffallou			clivity
Von-Exempt Other	47. C.		*please select from	n Non-Exempt Waste List on bac	ck
QUANTITY	B - BARRELS		L-LIQUID	Y-YARDS	E-EACH
261.21-261.24, hazardous is att	which is non-hazardous that does or listed hazardous waste as defit tached. (Check the appropriate its line) RCRA Hazar	ned by 40 CFR, part 26 ems as provided) rdous Waste Analysis	i1, subpart D, as amer	nded. The following documentation Other (Provide Description Below	on demonstrating the waste as n
load basis only)  RCRA NON-EXEMPT: load basis only)  Oil field waste v 261.21-261.24, hazardous is att  MSDS Informati  EMERGENCY NON-OILFEILD: Emergency non- determination of	which is non-hazardous that does or listed hazardous waste as defit tached. (Check the appropriate ite	ned by 40 CFR, part 26 ems as provided) rdous Waste Analysis rat has been ordered b st accompany this form	1, subpart D, as amer  ythe Department of In	nded. The following documentation Other (Provide Description Below Public Safety (the order, documen	on demonstrating the waste as n ) ntation of non-hazardous waste
RCRA NON-EXEMPT: load basis only)  RCRA NON-EXEMPT: Oil field waste v 261.21-261.24, hazardous is att  MSDS Information  Emergency NON-Oil FEILD: Emergency non-	which is non-hazardous that does or listed hazardous waste as defit tached. (Check the appropriate its tion RCRA Hazar n-hazradous, non-oilfeild waste thand a desciption of the waste must	ned by 40 CFR, part 26 ems as provided) rdous Waste Analysis rat has been ordered b st accompany this forn	1, subpart D, as amer  y the Department of I	nded. The following documentation Other (Provide Description Below Public Safety (the order, documen	on demonstrating the waste as n
RCRA NON-EXEMPT: load basis only)  RCRA NON-EXEMPT: Oil field waste v 261.21-261.24, hazardous is att  MSDS Informati  EMERGENCY NON-OILFEILD: Emergency non-determination at the second of the second	which is non-hazardous that does or listed hazardous waste as defit tached. (Check the appropriate its tion RCRA Hazar n-hazradous, non-oilfeild waste thand a desciption of the waste must	ned by 40 CFR, part 26 ems as provided) rdous Waste Analysis rat has been ordered b st accompany this form	1, subpart D, as amer  y the Department of I	nded. The following documentation Other (Provide Description Below Public Safety (the order, documen	on demonstrating the waste as n ) Italian of non-hazardous waste
RCRA NON-EXEMPT: load basis only)  RCRA NON-EXEMPT: Oil field waste v 261:21-261.24, hazardous is att  MSDS Informati  EMERGENCY NON-OIL FEILD: Emergency non determination a determination a service of the service of	which is non-hazardous that does or listed hazardous waste as defit tached. (Check the appropriate its tion RCRA Hazar n-hazradous, non-oilfeild waste thand a desciption of the waste must	ned by 40 CFR, part 26 ems as provided) rdous Waste Analysis rat has been ordered b st accompany this forn	y the Department of I	nded. The following documentation Other (Provide Description Below Public Safety (the order, documen	on demonstrating the waste as n ) Italian of non-hazardous waste
RCRA NON-EXEMPT: load basis only)  RCRA NON-EXEMPT: Oil field waste v 261.21-261.24, hazardous is att  MSDS Informati  EMERGENCY NON-OILFEILD: Emergency non determination a determination of the second of the seco	which is non-hazardous that does or listed hazardous waste as defit tached. (Check the appropriate its tion RCRA Hazar n-hazradous, non-oilfeild waste thand a desciption of the waste must	ned by 40 CFR, part 26 ems as provided) rdous Waste Analysis rat has been ordered b st accompany this forn	y the Department of In)  DATE  TER  Driver's Name  Print Name  Phone No.	nded. The following documentation Other (Provide Description Below Public Safety (the order, documen	on demonstrating the waste as n ) Italian of non-hazardous waste
RCRA NON-EXEMPT: load basis only)  RCRA NON-EXEMPT: Oil field waste v 261.21-261.24, hazardous is att  MSDS Informati  EMERGENCY NON-OILFEILD: Emergency non-determination a determination a determination and det	which is non-hazardous that does or listed hazardous waste as defit tached. (Check the appropriate its tion RCRA Hazar n-hazradous, non-oilfeild waste thand a desciption of the waste must	ned by 40 CFR, part 26 ems as provided) rdous Waste Analysis hat has been ordered best accompany this form	y the Department of In)  DATE  TER  Driver's Name  Print Name  Phone No.  Truck No.	nded. The following documentation Other (Provide Description Below Public Safety (the order, documents)	on demonstrating the waste as n ) ntation of non-hazardous waste
RCRA NON-EXEMPT: load basis only)  RCRA NON-EXEMPT: Oil field waste v 261.21-261.24, hazardous is att  MSDS Informati  EMERGENCY NON-OILFEILD: Emergency non determination of the state of	which is non-hazardous that does or listed hazardous waste as defit tached. (Check the appropriate its tion RCRA Hazar n-hazradous, non-oilfeild waste thand a desciption of the waste must be ass/were picked up at the Generation of the Seneration	ned by 40 CFR, part 26 ems as provided) rdous Waste Analysis hat has been ordered best accompany this form	y the Department of In)  DATE  TER  Driver's Name  Print Name Phone No.  Truck No.  Ind delivered without	Other (Provide Description Below Public Safety (the order, documents)  Solution of the disposal facility lises the second of the	on demonstrating the waste as n ) ntation of non-hazardous waste
RCRA NON-EXEMPT: load basis only)  RCRA NON-EXEMPT: Oil field waste v 261.21-261.24, hazardous is att  MSDS Information and the service of th	which is non-hazardous that does or listed hazardous waste as defit tached. (Check the appropriate its tion RCRA Hazar n-hazradous, non-oilfeild waste thand a desciption of the waste must be as/were picked up at the Generat	red by 40 CFR, part 26 ems as provided) rdous Waste Analysis rat has been ordered be st accompany this form  TRANSPOR	y the Department of In)  DATE  TER  Driver's Name  Print Name  Phone No.  Truck No.  Ind delivered without	Other (Provide Description Below Public Safety (the order, documents)  Storic Control of the disposal facility lise to the disposal facility lise the disposal facili	ted below.  DRIVER'S SIGNATURE
I RCRA NON-EXEMPT: load basis only)  RCRA NON-EXEMPT: Oil field waste v 261.21-261.24, hazardous is att  MSDS Informati  EMERGENCY NON-OILFEILD: Emergency non-determination a determination a	which is non-hazardous that does or listed hazardous waste as defit tached. (Check the appropriate its tion RCRA Hazar n-hazradous, non-oilfeild waste thand a desciption of the waste must as/were picked up at the Generation of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be p	red by 40 CFR, part 26 ems as provided) redous Waste Analysis rat has been ordered by st accompany this form  TRANSPOR  TRANSPOR  TRANSPOR  TRANSPOR  TRANSPOR  TRANSPOR	y the Department of In)  DATE  TER  Driver's Name  Print Name Phone No.  Truck No:  Ind delivered without  Phone No.	Other (Provide Description Below Public Safety (the order, documents)  incident to the disposal facility listory  RECEIV Name/No.	ted below.  DRIVERS SIGNATURE
RCRA NON-EXEMPT: load basis only)  RCRA NON-EXEMPT: Oil field waste v 261.21-261.24, hazardous is att  MSDS Informati  EMERGENCY NON-OILFEILD: Emergency non determination of the second determination	which is non-hazardous that does or listed hazardous waste as defit tached. (Check the appropriate its tion RCRA Hazar n-hazradous, non-oilfeild waste thand a desciption of the waste must as/were picked up at the Generation of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be provided by the control of the waste must be p	red by 40 CFR, part 26 ems as provided) redous Waste Analysis rat has been ordered by st accompany this form  TRANSPOR  TRANSPOR  TRANSPOR  TRANSPOR  TRANSPOR  TRANSPOR	y the Department of (ii)  DATE  TER  Driver's Name Print Name Phone No. Truck No. Ind delivered without  Phone No.  If YES, was reading	Other (Provide Description Below Public Safety (the order, documents of the order)  incident to the disposal facility listory  RECEIV Name/No.	ted below.  DRIVERS SIGNATURE



(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company	Man	Contac	Infom	ration
Name				

	GF	ENERATOR	NO. 7	005534
Operator No.		Permit/RRC No		
Operators Name	10505	Name & No.	IS OF FRA CO	on 1816 232 F
Address		County API No	5-825-871	95 36
City, State, Zip		Rig Name & No		
Phone No.	Waste/Service Identification and A	AFE/PO No	ctions in barrels or milio vari	8
Oil Based Muds	NON-INJECTABLE WATERS		INJECTABLE WATERS	
Oil Based Cuttings Waste Based Muds Water Based Cuttings Produced Formation Solids	Washout Water (Non-Injectabl Completion Fluid/Flow Back (N Produced Water (Non-Injectabl Gathering Line Water/Waste (I	lon-injectable)ie)	Washout Water (Injectable) Completion Fluid/Flow Back Produced Water (Injectable) Gathering Line Water/Wast	e (njectable)
Tank Bottoms E&P Contaminated Soil Gas Plant Waste	Truck Washout (exempt waste)		OTHER EXEMPT WASTES BY	so and generation process of the wast.
AND RESIDENCE OF THE PARTY OF T	DRILLING COMPLETI	THE RESIDENCE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN THE PERSON NAMED IN	☐ GATHERIN	G LINES
	NON-EXEMPT E&P V	/aste/Service Identification and Amoun	ini alifin. Pare silifuya ta Paner	
Non-Exempt Other	FXP waste must be analysed and be held		rom Non-Exempt Waste List	
QUANTITY	B - BARRELS	L-LIQUID	Y - YARDS	E - EACH
per load  PERA NON-EXEMPT Oil field	wastes generated from oil and gas exploid basis only) waste which is non-hazardous that does	not exceed the minimum standards for	waste hazardous by characteris	tics established in RCRA regulation
waste a:		appropriate items as provided) RCRA Hazardous Waste Analysis	Other (F	rovide Description Below)
	ncy non-hazardous, non-oilfield waste tha nation and a description of the waste mus		of Public Safety (the order, docu	mentation of non-hazardous wast
(PRINT) AUTHORIZED AGENTS SIGN	AATURE	DATE	SIGNATURE	
	the state of the s	ANSPORTER		
Transporter's Name		Driver's Name	Karto A	-Act x 20 min and
Address		Phone No Truck No	25	
Phone No.		and the state of t		
hereby certify that the above named material(s) w	as/were picked up at the Generator's site	e listed above and delivered without inc	cident to the disposal facility lis	ted below.
SHIPMENT DATE	DRIVER'S SIGNATURE	DELIVERY DATE		ER'S SIGNATURE
TRUCK TIME STAMP	DISPO	DSAL FACILITY	RECEIVIN	IG AREA
IN:OUT:			Name/No	
Permit No. Haltway Facility / F	NM1-006 80 Mile Marker 66 Carlsbad, NM 88220		-887-6504	
NORM READINGS TAKEN? PASS THE PAINT FILTER TEST?		If YES, was reading > 50 NORM (mR/hr)	micro roentgents? (Circle O	ne) YES NO
Feet	Inches TAN	K BOTTOMS		
1st Guage 2nd Guage Received	Holled		S Received Free Water al Received	BS&W (%)
I hereby certify that the above load material has be	een (circle one): ACCEPTED	DENIED If den	ied, why?	
NAME (PRINT)	DATE	TIME		SIGNATURE
TV-KVID (CHINT)		the training and the same of t		

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company	Man Co	intact in	fermation
Name	ist of	31/2 301	

	are tunis	GENE	RATOR	NO. 7	005740
Operator No.			Permit/RRC No		
Operators Name	VI and our on a		Lease/Well Name & No.	CAN THE STATE OF	And the SECOND
Address <u>A.D.a.\</u>	Ulescape (Samue) En Sura Control		County API No		
City, State, Zip			Rig Name & No		
Phone No.	(EMPT E&P Waste/Service	Identification and Amount	AFE/PO No	te type in barrels or cubic yard	is)
Oil Based Muds Oil Based Cuttings	NON-INC	ECTABLE WATERS		MUSECTABLE WATERS Washout Water (Injectable)	
Waste Based Muds Water Based Cuttings	Completi	Water (Non-Injectable) on Fluid/Flow Back (Non-Inje I Water (Non-Injectable)	ectable)	Completion Fluid/Flow Back Produced Water (Injectable)	
Produced Formation Solids	Gatherin	g Line Water/Waste (Non-In)	ectable)	Gathering Line Water/Wast	
E&P Contaminated Soil Gas Plant Waste	STANDARD CO.	ALUSE ONLY ashout (exempt waste)		OTHER LINE WAS TO BE	
WASTE GENERATION PROCESS:	☐ DRILLING	COMPLETION	PRODUCTION	N GATHERIN	G LINES
ALI	ion-exempt E&P waste must be	NON-EXEMPLE&P-Waste/S analysed and be below this	Service Identification and Amor shold limits for toxicity (TCLP).	nt Ignitability, Corresivity ado React	ivity.
Non-Exempt Other				from Non-Exempt Waste List	
QUANTITY	B - BA	RRELS	L-LIQUID	Y - YARDS	E - EACH
EMERGENCY NON-OILFIELD	waste as non-hazardous is a MSDS Information  Emergency non-hazardous,	attached. (Check the appropr RCRA	iate items as provided) Hazardous Waste Analysis een ordered by the Departmen	Other (F	documentation demonstrating the Provide Description Below) mentation of non-hazardous waste
			DATE	SIGNATURE	Andreas de la Companya de la Company
669	) AGENTS SIGNATURE	CHARLEST STREET	PORTER	alowaruse 2	
Transporter's Name	Holdrads	THE	Driver's Name	COLUMN TO THE	ANTIBLIDAY AND
Address	CONTRACTOR OF THE PROPERTY OF		Phone No Truck No	575 (A3) (A) (A)	UEV.
Phone No.					ine nervene serve
I hereby certify that the above named n	naterial(s) was/were picked up	at the Generator's site listed	above and delivered without i	ncident to the disposal facility lis	ted helow.
SHIPMENT DATE  TOUR TIME OF	DRIVER'S SIGNA	TURE	DELIVERY DATE	DRIV RECEIVIN	PER'S SIGNATURE
TRUCK TIME ST		DISTUSA	LFAGILITY	1.,	NG AITEA
	acility / NM1-006 ny US 62 / 180 Mile Marker 66	Carlehad NM 98220	Phone No	5-887-6504	
NORM READING	GS TAKEN? (Circle One)	YES NO		0 micro roentgents? (Circle Or	ne) YES NO
PASS THE PAINT FIL	TER TEST? (Circle One)	YES NO	NORM (mR/hr)	The second section is a second second	
Feet	Incl	IANA D	OTTOMS	Lesson con Sieck	
1st Guage 2nd Guage Received			The second	SLS Received Free Water stal Received	BS&W (%)
I hereby certify that the above load mat	terial has been (circle one):	ACCEPTED	DENIED If de	nied, why?	
NAME (PRINT)		DATE	TILE		SIGNATURE
C-138					



R360	NEW MEX	ICO NON-HAZARDOUS (PLEASE F		Name			
300 000							
		GENER	ATOR	NO.	SBRIZ		
	+ gas www.shipe	TSIU	Permit/RRC No. Lease/Well Name & No. County API No.	Oution fee	Con 1318 7321		
City, State, Zip Phone No.	2867:40	9/	Rig Name & No. AFE/PO No.				
EXEN			ice volume next top	waste type in carrils or conic yar			
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS:	Produced Water (	ion injectable† Flow back (Non-injectable) Non-injectable) (tar/Wasto (Non-injectable) R	aon F	Washout Water (Injectable) Completion Fluid/Flow back (Injectable) Produced Water (Injectable) Gathering Line Water/Waste (Injectable) This it - Faller Waster/Waste (Injectable) PRODUCTION	ctable)		
	NO.	N-EXEMPT ESP West-/Service	e Identification and An	nouit			
All non-i	wenget ESP waste must be analy	sed that be below the thresh.		CLP), ignitability, Caresivity and Reac from Non-Exempt Waste List on bac			
QUANTITY		B - BARRELS	L-LIQUID	Y-YARDS	E - EACH		
FMERGENCY NON-OUTFILD: Eme			red by the Department	Other (Provide Description Below)	tation of non-hazardous waste		
(PRINT) ALI ECRIZED AGENTS RAME			DATE	SIG	NATURE		
Transporter's Name Address	71/19/1	TRANSP	Driver's Name Print Name Phone No.	1/8 UALDO	ALVAKADO 19 19		
Phone No.  Thereby certify that the above named management page.  SHIPMENT DATE	tterial(s) was/were picked up at t	he Generator's site listed ab	1-31	out incident to the disposal facility lis	ted below.  DRIVER'S SIGNATURE		
TRUCK TIME In: Ot	STAMP	DISPOSAL	ON THE RESERVE TO		ING AREA		
Site Name/ Permit No. Halfway Facility / NM1 Address 6601 Hobbs Hwy US 63	006 /180 Mile Marker 66 Carlsbad, N	IN 88290	Phone No.	575-393-1079			
NORM READINGS TAKEN PASS THE PAINT FILTER TEST		s) NO	If YES, was rea	ding > 50 micro roentgens? (circle on	e) YES NO		
Feet	Indi	I MINIX DO					
1st Gauge 7nd Gauge Received			В	S&W/BBLS Received Free Water Total Received	BS&W (%)		
I hereby certify that the above load m	aterial has been (circle dne),	ACCEPTED DENIE	D If denied, wh	till till till till till till till till	MATURE		

Released to Imaging: 8/15/2023 11:21:18 AM TRANSPORTER POPY PIAK GENERATOR SETT COPY Gold RETURN TO GENERATOR



	Company Man Contact Information	1
Nam	e felt Triple	
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CONSCIONAL CONTRACTOR					Market Street, Square Co. St. St. St. St. St. St. St. St. St. St	
			GENERAT	TOR	NO.	588813
perator No.	Novo or Car	9.5 B	Swa	Permit/RRC No. Lease/Well Name & No.	Dustren )	t. 100 1318 23
ty, State, Zip	Officers	of Chil	N 73116	API No.  Rig Name & No.  AFE/PO No.	30 0/	5 - 49 10 5
none No.	EVEMPT E&P W	aste/Service telept	ii, carren and Amount (place		aste type in bacrels or cus	sic yords)
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&P Contaminate			COMPLETIC	ON TO	PRODUCTION	GATHERING LINES
/ASTE GENER/	ATION PROCESS:	DRILLING	N EXEMPLE RP Waste/Service)	dentification and Airs	dunt of the wife of the	
on-Exempt Othe		waste must be analy	sed and be below the threshold	*please select fr	CP), Ignitability, Corposivity at com Non-Exempt Waste List	on back
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Transporter's Name Address Phone No. Thereby certify t  SHIPM  IN: Site Name/ Permit No. Address  1st Gauge 2nd Gauge	hazardous is att  MSDS Information  MSDS Information  act NON-OILFEILD: Emergency non determination attention attent	as/were picked up at  Dailvers signature  P  Marker 66 Carlsbad, ne) YES	propriate items as provided) RCRA Hazardous Waste Analysical waste that has been ordered the waste must accompany this formation of the Generator's site listed above the Genera	DATE  DATE  DATE  Driver's Name Print Name Phone No. Truck No.  Ve and delivered without  ACILITY  Phone No.  If YES, was real NO.	Other (Provide Description of Public Safety (the order, do not incident to the disposal factors of Name/No.	SIGNATURE  SIGNATURE  CILITY IISTED BEIOW.  DRIVER'S SIGNATURE  CEIVING AREA
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Inansporter's Name Address Phone No. I hereby certify t  SHIPM  IN:  Site Name/ Permit No. Address  1st Gauge 2nd Gauge Received	hazardous is att  MSDS Information of the property of the paint filter test? (Circle Or Feet	as/were picked up at  Dalvers signature  P  Marker 66 Carlsbad, ne) YES ne) Y	propriate items as provided) RCRA Hazardous Waste Analysical waste that has been ordered by the waste must accompany this for the Generator's site listed about the Generator's	DATE  DATE  DATE  Driver's Name Print Name Phone No. Truck No.  Ve and delivered with  Phone No.  If YES, was real No.  TOMS	Other (Provide Description of Public Safety (the order, do not incident to the disposal factors)  Name/No.  575-393-1079  ding > 50 micro roentgens? (constant)  Free Water Total Received	Below)  DECUMENTATION  SIGNATURE  SIGNATURE  DRIVER'S SIGNATURE  CEIVING AREA  SIGNATURE  NO

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				99	
800	NONWE	HALL	1		

ceived by OCD: 3/26/2	023 5:13:31 PM				Page 79 d
<b>36</b> 0	NEW MEX	ICO NON-HAZARDOUS OL (PLEASE PRIN		MANIFEST Company Ma Name	in Contact Informati
ACTURES O				Phone No	2/5-2%
		GENERAT	OR	No. 5888	06
Operator No.			Permit/RRC No.	- A-1	
Operators Name	ما عا فياء		Lease/Well Name & No.	Overtien ticken	1818 131
Address 1000	1 Williams	Wal	County	1 Eddy	
	cite 20%		API No.	30-018-1909	
City, State, Zip OtTA	orin city to	73//6	Rig Name & No.		
Phone No.	175 436 4391		AFE/PO No.		
	EXEMPT E&P Waste/sarvice klent	Mication and Amount (place)	volume next to w	vaste type in barrels or cubic yards).	
Oil Based Muds	NOTE OF THE PROPERTY.	WATERS IN THE STATE OF THE STAT		INJECTORISTS WATERS	
Oil Based Cuttings Water Based Muds	Washout Water (N	Non-Injectable) Flow back (Non-Injectable)		Washaut Water (Injectable) Completion Fluid/Flow back (Injectable)	
Water Based Cuttings	Produced Water (1	Non-injectable)		Produced Water (Injectable) Gathering Line Water/Waste (Injectable)	
Produced Fermation Solids Tank Boltoms	Gathering Line Wa	ster/Wast- (Non-Injectable)		OTHER EXEMPT WASTES Type and expended pro-	ass of the was ep.
E&P Contaminated Soil	Truck Washout (ex	xeropt wasle)			
Gas Plant Waste WASTE GENERATION PROCES	S: T DRILLING	COMPLETION		PRODUCTION GATHERI	NG LINES
	Ne	N-DEMPI ERAWasie/Savice id	entification and And	cont	
A STANDARD OF THE PARTY OF THE	hon-exempt EXP waste must be analy	sed and be below the threshold to		LP), writibility, Corresivity and Reactivity.	
Non-Exempt Other			*please select fi	rom Non-Exempt Waste List on back	
QUANTITY		B - BARRELS	L-LIQUID	Y-YARDS	E - EACH
hereby certify that according to the	he Resource Conservation and Recover	y Act (RCRA) and the US Environn	nental Protection A	gency's July 1988 regulatory determination, the a	bove described waste
load is (Check the appropriate clas	sification)				
RCRA EXEMPT:	Oil field wastes generated from oil ar load basis only)	nd gas exploration and production	operations and an	e not mixed with non-exempt waste (R360 Accept	s certifications on a pe
RCRA NON-EXEMPT:		us that does not exceed the minin	num standards for v	waste hazardous by characteristics established in I	RCRA regulations, 40 C
L NCIA NON EXEMPT.	261.21-261.24, or listed hazardous w	vaste as defined by 40 CFR, part 20	61, subpart D, as an	nended. The following documentation demonstrat	ting the waste as non-
	hazardous is attached. (Check the ap			Other (Provide Description Below)	
	MSDS Information	RCRA Hazardous Waste Analysis		Other (Provide Description Below)	
	Emergandunan harradaus nan ailfa	alld wasto that has been ordered i	w the Department	of Public Safety (the order, documentation of non	-hazardous waste
EMERGENCY NON-OILFEILD	determination and a desciption of the				
15-10 Iv			31-23	A-C D	
(PRINT) AUTHORIZED AGEN			DATE	SIGNATURE	
		TRANSPOR	RTER		
Transporter's		Contract of	Driver's Name	Pleusino Ame	11/4 500
lame ( <u>L. C. C.</u>			Print Name		
	A PERSONAL PROPERTY.		Phone No.	577 74119 G	7
Phone No.	100 2290		Truck No.	TORISION	
	ned material(s) was/were picked up at	the Generator's site listed above	and delivered withou	out incident to the disposal facility listed below.	
1-31-22	11350000 4	7	7-31	-25 (4200)	
SHIPMENT DATE	DRIVER'S SIGNATURE		DEUV	JERY DATE DRIVER'S SIG	NATURE
TOLICK T	INAL CTANAD	DICOCCALCA	PHINN	RECEIVING ARI	

I hereby certify	that the above named material(s) was/were picke	d up at the Generator's site listed above and delivered with	mout incident to the disposal facility listed below.	
SHU	PMENT DATE DRIVER'S SIG	NATURE DI	ELIVERY DATE DRIVER'S SIGNATURE	
	TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA	
IN:	OUT:		Name/No.	AU CHANGE AND
Site Name/ Permit No.	Halfway Facility / NM1-006	Phone No.	575-393-1079	

Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carisbad, NM 8822 YES NORM READINGS TAKEN? (Circle One)

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

YES NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

	Feet	Inches
Gauge		
d Gauge		
con wat		

BS8.W (%)	BLS Received BS&W (%)
	Free Water
	otal Received

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

ACCEPTED

If denied, why?

DENIED

SIGNATURE

C-138 White - R360 ORIGINAL Yellow - TRANSPORTER COPY PINK - GENERATOR SITE COPY Gold - RETURN TO GENERATOR Version 1

Released to Imaging: 8/15/2023 11:21:18 AM

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST (PLEASE PRINT)

Company Man Con Page 80 of 138

Name Mil Ire

	GENERAT	OR	NO.	588807
		Permit/RRC No.		
ator No.		Lease/Well Name & No	Outen tre	Com 15/8 13
ators Name	THE RESERVE	County	stdy .	
985		API No.	30-1615	15098
All have chi.	OK 731/6	Rig Name & No.		
State, Zip	739/	AFE/PO No.		
e No.	ice frientil i stinn and Amount (place	volume sext to wat	ste type in barrels of subic y	ards)
ased Muds NEINLINE	ECTABLE WATERS		Washoul Water (Injectable)	
Based Cuttings Washout	t Water (Non-Injectable) fron Fluid/Flow back (Non-Injectable)	THE SHEET STATES	Completion Fluid/Flow back (Inj	iectable)
Produces	d Warer (Non-Injectable)		Produced Water (Injectable) Gathering Line Water/Waste (In	njectable)
	ng Line Water/Waste (Non-Injectable)		OTHER EXEMPTIONS IS USED IN	int senuciasion process at 8 ± waste)
	ashout (exempt waste)			
Plant Waste  TE GENERATION PROCESS:  DRILLIN	IG TI COMPLETIO	ON D	PRODUCTION	GATHERING LINES
TO ENERGIA IN ES		Tourification and Omor	int	
All non-exempt E&P waste max	t be unalyse a and be book the threshold	Smits for toxicity (TCU	M. ignitability, Lorrostrity and is	sactivity.
Exempt Other		*please select from	m Non-Exempt Waste List on b	pack
	B - BARRELS	L LIQUID	Y - YARDS	E - EACH
NTITY			ancy's July 1988 regulatory deter	rmination, the above described was
by certify that according to the Resource Conservation an	d Recovery Act (RCRA) and the US Environ	imental riotection Age	sicy state cool agreement	
is (Check the appropriate classification)	from oil and gas exploration and producti	on operations and are	not mixed with non-exempt was	ste (R360 Accepts certifications on a
RIRA EXEMPL				
- 10a0 basis only)	n-hazardous that does not exceed the min	nimum standards for w	aste hazardous by characteristic	s established in RCRA regulations, 4
RCRA NON-EXEMPT: Oil field waste which is not	I-Hazardous triat document and CER most	261, subpart D, as ame	ended. The following documenta	ation demonstrating the waste as no
261 21-261 24, or listed ha	izardous waste as defined by 40 CFN, part	SACREMENT OF STREET, S		
261.21-261.24, or listed ha hazardous is attached. (Ch	azardous waste as defined by 40 CFN, part neck the appropriate items as provided)			
261.21-261.24, or listed ha hazardous is attached. (Ch	azardous waste as defined by 40 CFA, particular (cell the appropriate items as provided)  RCRA Hazardous Waste Analysi		Other (Provide Description Belo	
hazardous is attached. (Ch	neck the appropriate items as provided)  RCRA Hazardous Waste Analysi	is 🔲	Other (Provide Description Belo	ow)
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hazardous is attached. (Ch  MSDS Information  Emergency non-hazardous determination and a desci  (PRINT) AUTHORIZED MENTS NAME  Insporter's ne	RCRA Hazardous Waste Analysi  , non-oilfeild waste that has been ordered piption of the waste must accompany this forms.	od by the Department of form)  DATE  DRTER  Driver's Name  Print Name	Other (Provide Description Belo	ow) gentation of non-hazardous waste
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hazardous is attached. (Ch. MSDS Information  EMERGENCY NON-OILFEILD: Emergency non-hazaradous determination and a description of the control	RCRA Hazardous Waste Analysi  s, non-oilfeild waste that has been ordered iption of the waste must accompany this for the waste must accompany this form of the waste must accompany the waste must accompany this form of the waste must accompany the waste must	DATE  DRTER  Driver's Name Print Name Phone No. Truck No. ve and delivered without  Phone No.  H YES, was read NO	Other (Provide Description Belon Public Safety (the order, document of Public Safety (the order, document incident to the disposal facility of the Name/No.  S75-393-1079	pentation of non-hazardous waste  SIGNATURE  y listed below.  DRIVER'S SIGNATURE  EIVING AREA
hazardous is attached. (Ch.  MSDS Information  Emergency non-hazardous determination and a description of the control of the c	RCRA Hazardous Waste Analysi  s, non-oilfeild waste that has been ordered iption of the waste must accompany this for the waste must accompany this form of the waste must accompany the waste must accompany this form of the waste must accompany the waste must	DATE  DRTER  Driver's Name Print Name Phone No. Truck No. ve and delivered without  Phone No.  H YES, was read NO	Other (Provide Description Belon Public Safety (the order, document of Public Safety (the order, document incident to the disposal facility of the Provident of of the	pentation of non-hazardous waste  SIGNATURE  Y listed below,  DRIVER'S SIGNATURE  EIVING AREA
hazardous is attached. (Ch.  MSDS Information  Emergency non-hazardous determination and a description of the control of the c	RCRA Hazardous Waste Analysi  s, non-oilfeild waste that has been ordered iption of the waste must accompany this for the waste must accompany this form of the waste must accompany the waste must accompany this form of the waste must accompany the waste must	DATE  DRTER  Driver's Name Print Name Phone No. Truck No. ve and delivered without  Phone No.  H YES, was read NO	Other (Provide Description Belon Public Safety (the order, document of Public Safety (the order)) (the order of Public Safety (the order)) (the	pentation of non-hazardous waste  SIGNATURE  Y listed below,  DRIVER'S SIGNATURE  EIVING AREA
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Company Man Contact Information

THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.			Pho	ne No. 1/37 2/5 5/5
	GENE	RATOR	NO.	588809
perator No.  perators Name  ddress	gss Shire Blut	Permit/RRC No. Lesse/Well Name & No. County	Ovelan F.	dy Com 1318 8
ty, State, Zip	11.0x 7316	API No. Rig Name & No. AFE/PO No.	13-0	IS ~ 99/03
EXEMPT ES P Wa	este/Service Identification and Amount (		raste type in barrels or c	nibic varus)
il Based Cuttings (ater Based Muds ater Based Cuttings oduced Formation Solids ink Bottoms  RP Contaminated Soil	Washout Water (Non-Injectable) Completion Fluid/Flow hack (Non-Injectable) Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable) MTE KNAL USE ONLY		Washout Water (Injectals Completion Fluid/Flow ba Produced Water (Injectal Gathering Line Water/Wa	olė) ack (Injectable) olė)
as Plant Waste	Truck Washout (exempt waste)			
ASTE GENERATION PROCESS:	DRILLING COMPL		PRODUCTION	GATHERING LINES
All non-exempt Cher	NON-EXEMPT EXP Waxte/Serv caste must be analysed and be below the thres	hold limits for toxicity (TC)	oent LF), ignhability, Carresiolty a om Non-Exempt Waste List	
ANTITY /7	B - BARRELS	L-LIQUID	Y - YARE	
reby certify that according to the Resource Conserv	ration and Parmunu Act (DCDA) and starting to			
EMERGENCY NON-OILFEILD: Emergency non-had determination and	zradous, non-oilfeild waste that has been orde	red by the Department of	Public Safety (the order, do	cumentation of non-hazardous waste
determination and	zradous, non-oilfeild waste that has been orde a desciption of the waste must accompany thi	ered by the Department of s form)	Public Safety (the order, do	cumentation of non-hazardous waste
(PRINT) ADMINISTRAÇÃO NAMEZ	zradous, non-oilfeild waste that has been orde a desciption of the waste must accompany thi TRANSP	DATE	Public Safety (the order, do	122
(PRINT) ALTHIBEZED AGENTS NAME  Sporter's	s occupation of the waste filest accompany tri	DATE	Public Safety (the order, do	122
(PRINT) ADMINISTRALISMS NAME  sporter's	TRANSP	ORTER Driver's Name Print Name	Public Safety (the order, do	122
Sporter's e ess	TRANSP	DATE  ORTER  Driver's Name  Print Name Phone No.  Truck No.	Chupran	SIGNATURE
sporter's e ess e No.	TRANSP	DATE  ORTER  Driver's Name  Print Name Phone No.  Truck No.	Chupran	SIGNATURE
sporter's e ess e No. 2-by certify that the above named material(s) was/we	TRANSP	DATE  ORTER  Driver's Name  Print Name Phone No.  Truck No.	incident to the disposal faci	SIGNATURE  lity listed below.
Eporter's eason by certify that the above named material(s) was/we shipment date to TRUCK TIME STAMP OUT:	TRANSPO	DATE  ORTER  Driver's Name  Print Name  Phone No.  Truck No.  DVE and delivered without  DELIVERY	Incident to the disposal faci	SIGNATURE
sporter's eess e No. sby certify that the above named material(s) was/we shipment date properties of the stamp out:  TRUCK TIME STAMP OUT: ame/ t No. Halfway Facility / NM1-006	TRANSP  ere picked up at the Generator's site listed about the DISPOSAL I	DATE  ORTER  Driver's Name  Print Name  Phone No.  Truck No.  DELIVERY  Phone No.  Print No.  DELIVERY	incident to the disposal faci	SIGNATURE  SIGNATURE  SITURE  SIGNATURE  DRIVER'S SIGNATURE
sporter's e ess e No. sby certify that the above named material(s) was/we SHIPMENT DATE  TRUCK TIME STAMP  OUT: lame/ it No. Halfway Facility / NM1-006	TRANSP  ere picked up at the Generator's site listed about the DISPOSAL I	DATE  ORTER  Driver's Name  Print Name  Phone No.  Truck No.  Ove and delivered without:  PACILITY  Phone No.  16 YES, was reading.	incident to the disposal faci DATE REC Name/No.	SIGNATURE  Lity listed below.  DRIVER'S SIGNATURE  EIVING AREA
Sporter's e ess  e No.  eby certify that the above named material(s) was/we  SHPMENTDATE  TRUCK TIME STAMP  OUT:  lame/ it No.  Halfway Facility / NM1-006  6601 Hobbs Hwy US 62/180 Mile Market  NORM READINGS TAKEN? (Circle One)  PASS THE PAINT FILTER TEST? (Circle One)	TRANSP	DATE  ORTER  Driver's Name Print Name Phone No. Truck No.  Dread and delivered without  PACILITY  Phone No. 5	incident to the disposal faci DATE  REC  Name/No.	SIGNATURE  SIGNATURE  SIGNATURE  DRIVER'S SIGNATURE  EIVING AREA
INSPORTED A CONTROL OF THE PAINT FILTER TEST? (Circle One)  Fact  Insporter's the press of the No.  SHIPMENT DATE DESTAMP  OUT:  Name/ Sit No. Halfway Facility / NM1-006 PASS THE PAINT FILTER TEST? (Circle One)  PASS THE PAINT FILTER TEST? (Circle One)  Fact	TRANSP  TRANSP  ere picked up at the Generator's site listed about the DISPOSAL  DISPOSAL  er 66 Carlshad, NM 88220  YES NO	DATE  ORTER  Driver's Name Print Name Phone No. Truck No.  DVE and delivered without  PETIVERY  Phone No.  If YES, was reading. NO.	incident to the disposal facility of the REC Name/No. 75-393-1079 > 50 micro roentgens? (circ	SIGNATURE  Lity listed below.  DRIVER'S SIGNATURE  EIVING AREA  Le one) YES NO
ISPORTER'S INC.  ISSPORTER'S INC.  ISSUED INC.  INC.	TRANSP	DATE  ORTER  Driver's Name Print Name Phone No. Truck No.  DVE and delivered without  PETIVERY  Phone No.  If YES, was reading. NO.	incident to the disposal facility of the REC Name/No. 775-393-1079 > 50 micro roentgens? (circo roentgens)	SIGNATURE  SIGNATURE  SIGNATURE  DRIVER'S SIGNATURE  EIVING AREA
sporter's e ess  The No.  SHIPMENT DATE  TRUCK TIME STAMP  OUT:  Iame/ It No.  Halfway Facility / NM1-006  SSS  6601 Hobbs Hwy US 62/180 Mile Marks  NORM READINGS TAKEN? (Circle One)  PASS THE PAINT FILTER TEST? (Circle One)  Fact  Uge  Ruge  Rug	TRANSP  TRANSP  TRANSP  TRANSP  TRANSP  DISPOSAL  DISPOSAL  TANK BO  Inches	DATE  ORTER  Driver's Name Print Name Phone No. Truck No.  DVE and delivered without  PETIVERY  Phone No.  If YES, was reading. NO.	incident to the disposal facilinate  REC Name/No.  75-393-1079  > 50 micro roentgens? (circ	SIGNATURE  Lity listed below.  DRIVER'S SIGNATURE  EIVING AREA  Le one) YES NO
INSPORTED AND ACTION AC	TRANSP	DATE  ORTER  Driver's Name Print Name Phone No. Truck No.  DVE and delivered without  PETIVERY  Phone No.  If YES, was reading. NO.	incident to the disposal facility of the REC Name/No. 775-393-1079 > 50 micro roentgens? (circo roentgens)	SIGNATURE  Lity listed below.  DRIVER'S SIGNATURE  EIVING AREA  Le one) YES NO

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

IVIROMASITAL SOLUTIONS				The same of the sa
	G	ENERATOR	NO.	599785
perator No.		Permit/RRC No. Lease/Well	21 /1/	1210 -11
erators Name 1997 61	1 gas	Name & No. County	DN-Then to Ch	en 1318 2114
Suff e	206 - 72H	API No.	30-015	-94/00
ty, State, Zip	75/ 479/	Rig Name & No. AFE/PO No.	71/7	
EXEMPT E&	P Waste/Service Identification and NON-INJECTABLE WATERS	Amount (place volume next to Wa	aste type in barrels or cubic INJECTABLE WATERS	yards)
If Based Widds If Based Cuttings Vaste Based Mids	Washout Water (Non-Injectal Completion Fluid/Flow Back		Washout Water (Injecta Completion Fluid/Flow I	Back (Injectable)
ater Based Cuttings oduced Formation Solids	Produced Water (Non-Injecta Gathering Line Water/Waste	able)	Produced Water (Injecta Gathering Line Water/V	Vaste (njectable)
nk Bettoms kP Contaminated Soil	INTERNAL USE ONLY Truck Washout (exempt was	to)	OTHER EXEMPT WASTE	S type and generation process of the wa
as Plant Waste  /ASTE GENERATION PROCESS:	DRILLING COMPLE		ON GATHE	RING LINES
All nan aventa	NON-EXEMPT E&P t E&P waste must be analysed and be b	Waste/Service Identification and American threshold limits for toxicity (TCL)	iount P), Ignitability, Corresivity adn P	eactivity
on-Exempt Other		*please sele	ect from <b>Non-Exempt Waste</b>	List on back
UANTITY errors that the above listed material(s), is	B - BARRELS	L-LIQUID	Y - YARDS	E - EACH
per loa  RCRA NON-EXEMPT: Oil fielt 40 CFR waste MSDS  EMERGENCY NON-OIL FIELD. Freeroil	d basis only) d waste which is non-hazardous that do: 261.21-261.24, or listed hazardous was as non-hazardous is attached. (Check th Information Ency non-hazardous, non-oilfield waste to ination and a description of the waste r SNATURE	ste as defined by 40 CFR, part 261, suf e appropriate items as provided)  RCRA Hazardous Waste Analysis that has been ordered by the Departm nust accompany this form)	s for waste hazardous by characopart D, as amended. The follow	steristics established in RCRA regula ving documentation demonstrating t her (Provide Description Below) documentation of non-hazardous wa
Per loa  RCRA NON-EXEMPT: Oil fielt 40 CFR waste MSDS  EMERGENCY NON-OILFIELD Emergi determ  (PRINT) AUTHONIZED AGENTS SII  ransporter's lame	d basis only) d waste which is non-hazardous that do: 261.21-261.24, or listed hazardous was as non-hazardous is attached. (Check th Information Ency non-hazardous, non-oilfield waste to ination and a description of the waste r SNATURE	es not exceed the minimum standards ste as defined by 40 CFR, part 261, suf e appropriate items as provided)  RCRA Hazardous Waste Analysis that has been ordered by the Departmoust accompany this form)  DATE  RANSPORTER  Driver's Name	s for waste hazardous by charac opart D, as amended. The follow Ott ent of Public Safety (the order,	steristics established in RCRA regula ving documentation demonstrating t her (Provide Description Below) documentation of non-hazardous wa
Per loa    RCRA NON-EXEMPT: Oil field   40 CFR     Waste     MSDS     EMERGENCY NON-OILFIELD     CPRINT) AUTHORIZED AGENTS SI   Cransporter's     Canadiana     Canadiana	d basis only) d waste which is non-hazardous that do: 261.21-261.24, or listed hazardous was as non-hazardous is attached. (Check th Information Ency non-hazardous, non-oilfield waste to ination and a description of the waste respectively.	es not exceed the minimum standards ste as defined by 40 CFR, part 261, suf e appropriate items as provided)  RCRA Hazardous Waste Analysis that has been ordered by the Departm nust accompany this form)  DATE  RANSPORTER	s for waste hazardous by charac opart D, as amended. The follow Ott ent of Public Safety (the order,	steristics established in RCRA regula ving documentation demonstrating t her (Provide Description Below) documentation of non-hazardous wa
per loa    RCRA NON-EXEMPT:   Oil fielt   40 CFR     Waste   MSDS     EMERGENCY NON-OILFIELD   Emerging determance     (PRINT) AUTHORIZED AGENTS SITE  (ransporter's lame   ddress     ddress     hone No.	d basis only) d waste which is non-hazardous that do: 261.21-261.24, or listed hazardous was as non-hazardous is attached. (Check th Information  ency non-hazardous, non-oilfield waste i ination and a description of the waste r	es not exceed the minimum standards ste as defined by 40 CFR, part 261, suf e appropriate items as provided)  RCRA Hazardous Waste Analysis that has been ordered by the Departmust accompany this form)  DATE  RANSPORTER  Driver's Name Phone No. Truck No.	s for waste hazardous by charactopart D, as amended. The follow Under Ottlerent of Public Safety (the order,	eteristics established in RCRA regula ving documentation demonstrating t her (Provide Description Below) documentation of non-hazardous wa
per loa    RCRA NON-EXEMPT:   Oil fielt   40 CFR     Waste     MSDS     EMERGENCY NON-OILFIELD     Emerging determand     (PRINT) AUTHORIZED AGENTS SITE  (PRINT) AUTHORIZED AGENTS AGEN	d basis only) d waste which is non-hazardous that do: 261.21-261.24, or listed hazardous was as non-hazardous is attached. (Check th Information  ency non-hazardous, non-oilfield waste i ination and a description of the waste r	es not exceed the minimum standards ste as defined by 40 CFR, part 261, suf e appropriate items as provided)  RCRA Hazardous Waste Analysis that has been ordered by the Departmust accompany this form)  DATE  RANSPORTER  Driver's Name Phone No. Truck No.	of for waste hazardous by character of Public Safety (the order, SIGNATE).	teristics established in RCRA regularing documentation demonstrating the reprovide Description Below) documentation of non-hazardous was recommended to the regularity listed below.
Per loa    RCRA NON-EXEMPT:   Oil fielt   40 CFR   waste   MSDS     EMERGENCY NON-OILFIELD   Emerging determination     (PRINT) AUTHORIZED AGENTS SIGnapporter's     ame   ddress     can sporter's     ame   ddress     can sporter's     ame   ddress     can sporter's     can sporter'	d basis only) d waste which is non-hazardous that do: 261.21-261.24, or listed hazardous was as non-hazardous is attached. (Check th Information  Ency non-hazardous, non-oilfield waste is ination and a description of the waste in ENATURE  DRIVER'S SIGNATURE	es not exceed the minimum standards ste as defined by 40 CFR, part 261, suf e appropriate items as provided)  RCRA Hazardous Waste Analysis that has been ordered by the Department accompany this form)  DATE  RANSPORTER  Driver's Name Phone No. Truck No.  site listed above and delivered without the provided of the pro	of for waste hazardous by charactopart D, as amended. The follow tent of Public Safety (the order, signature) at incident to the disposal facility of the safety (the Becchart Section 1).	teristics established in RCRA regularing documentation demonstrating the reprovide Description Below) documentation of non-hazardous was the last the regularity listed below.
Per loa    RCRA NON-EXEMPT:	d basis only) d waste which is non-hazardous that do: 261.21-261.24, or listed hazardous was as non-hazardous is attached. (Check th Information  Ency non-hazardous, non-oilfield waste is ination and a description of the waste in ENATURE  DRIVER'S SIGNATURE	es not exceed the minimum standards ste as defined by 40 CFR, part 261, suf e appropriate items as provided)  RCRA Hazardous Waste Analysis that has been ordered by the Department accompany this form)  DATE  RANSPORTER  Driver's Name Phone No. Truck No.  site listed above and delivered without the post of the partment of the partmen	of for waste hazardous by character of Public Safety (the order, signature)  ut incident to the disposal facility (Name/No	teristics established in RCRA regularing documentation demonstrating the reprovide Description Below) documentation of non-hazardous was recommended to the regularity listed below.
Per loa    RCRA NON-EXEMPT:	d basis only) d waste which is non-hazardous that do: 261.21-261.24, or listed hazardous was as non-hazardous is attached. (Check th Information  Ency non-hazardous, non-oilfield waste in antion and a description of the waste in ENATURE  DRIVER'S SIGNATURE  DISI	es not exceed the minimum standards ste as defined by 40 CFR, part 261, suf e appropriate items as provided)  RCRA Hazardous Waste Analysis that has been ordered by the Department accompany this form)  DATE  RANSPORTER  Driver's Name Phone No. Truck No.  Site listed above and delivered without the period of t	of for waste hazardous by charactopart D, as amended. The follow tent of Public Safety (the order, signature) at incident to the disposal facility of the safety (the Becchart Section 1).	teristics established in RCRA regularing documentation demonstrating the reprovide Description Below) documentation of non-hazardous was recommended to the regularity listed below.
Per loa    RCRA NON-EXEMPT:   Oil field	d basis only) d waste which is non-hazardous that do: 261.21-261.24, or listed hazardous was as non-hazardous is attached. (Check th Information  ency non-hazardous, non-oilfield waste intation and a description of the waste in SNATURE  DISI  NM1-006  NY (Circle One) YES NO	es not exceed the minimum standards ste as defined by 40 CFR, part 261, suf e appropriate items as provided)  RCRA Hazardous Waste Analysis that has been ordered by the Departmust accompany this form)  DATE  RANSPORTER  Driver's Name Phone No. Truck No.  site listed above and delivered without the person of t	of for waste hazardous by character of Public Safety (the order, signature)  ut incident to the disposal facility (Name/No	teristics established in RCRA regularing documentation demonstrating the reprovide Description Below) documentation of non-hazardous was set to be a set of the representation of non-hazardous was set of the representation of non-hazardous was set of the regularity
Per loa    RCRA NON-EXEMPT: Oil fielt   40 CFR     Waste     MSDS     EMERGENCY NON-OILFIELD     CPRINT) AUTHORIZED AGENTS SIN     CRAINSPORTER'S     CRAINSPORTER'S	d basis only) d waste which is non-hazardous that do: 261.21-261.24, or listed hazardous was as non-hazardous is attached. (Check th Information  ency non-hazardous, non-oilfield waste intation and a description of the waste in SNATURE  Was/were picked up at the Generator's  DRIVER'S SIGNATURE  NY. (Circle One) YES NO TY. (Circle One) YES NO	es not exceed the minimum standards ste as defined by 40 CFR, part 261, suf e appropriate items as provided)  RCRA Hazardous Waste Analysis that has been ordered by the Department accompany this form)  DATE  RANSPORTER  Driver's Name Phone No. Truck No.  site listed above and delivered without the period of t	of for waste hazardous by charactopart D, as amended. The followment of Public Safety (the order, SIGNATE Latticident to the disposal facility RECE Name/No	teristics established in RCRA regularing documentation demonstrating the reprovide Description Below) documentation of non-hazardous was set to listed below.  BRIVER'S SIGNATURE  IVING AREA
Per loa    Git field	d basis only) d waste which is non-hazardous that do: 261.21-261.24, or listed hazardous was as non-hazardous is attached. (Check th Information  Ency non-hazardous, non-oilfield waste is ination and a description of the waste in ENATURE  Was/were picked up at the Generator's  DRIVER'S SIGNATURE  DISI  VNM1-006 /180 Mile Marker 66 Carlsbad, NM 88; N? (Circle One) YES NO T? (Circle One) YES NO	es not exceed the minimum standards ste as defined by 40 CFR, part 261, suf e appropriate items as provided)  RCRA Hazardous Waste Analysis that has been ordered by the Departmust accompany this form)  DATE  RANSPORTER  Driver's Name Phone No. Truck No.  Site listed above and delivered without the properties of the properties of the provided of the	of for waste hazardous by charactopart D, as amended. The followment of Public Safety (the order, SIGNATE Latticident to the disposal facility RECE Name/No	teristics established in RCRA regularing documentation demonstrating the reprovide Description Below) documentation of non-hazardous was set to be a set of the representation of non-hazardous was set of the representation of non-hazardous was set of the regularity
Per loa    RCRA NON-EXEMPT: Oil fielt   40 CFR     Waste     MSDS     EMERGENCY NON-OILFIELD     Emerging determand determand of the properties of the prope	d basis only) d waste which is non-hazardous that do: 261.21-261.24, or listed hazardous was as non-hazardous is attached. (Check th Information  ancy non-hazardous, non-oilfield waste ination and a description of the waste ination and a description of the waste in DISI  Was/were picked up at the Generator's  DRIVER'S SIGNATURE  DISI  NIM1-006 /180 Mile Marker 66 Carlsbad, NM 88: N? (Circle One) YES NO T? (Circle One) YES NO Inches	es not exceed the minimum standards ste as defined by 40 CFR, part 261, suf e appropriate items as provided)  RCRA Hazardous Waste Analysis that has been ordered by the Departmust accompany this form)  DATE  RANSPORTER  Driver's Name Phone No. Truck No.  site listed above and delivered without the performance of the	of or waste hazardous by characopart D, as amended. The follow tent of Public Safety (the order, signature)  ut incident to the disposal facility (STS-887-6504)  > 50 micro roentgents? (Circo/BBLS Received)  Free Water	teristics established in RCRA regularing documentation demonstrating the reprovide Description Below) documentation of non-hazardous was set to listed below.  BRIVER'S SIGNATURE  IVING AREA



Company Man Contact Information

36 <i>9</i>	(PLEASE	PRINT)	Phone No. 4/2	213 5756
albae V	GENER	ATOR	NO. 588	808
tor No.  tors Name  Loss		Permit/RRC No. Lease/Well Name & No. County API No.	Duntum ped Co	m 1318 gr
State, Zip	19 100 7314	Rig Name & No.  AFE/PO No.		
EXEMPT EXP W	este/Sen ice Identification and Amount (	place volume next to wa	The type in barrels or cubic yates!	
ased Muds ased Cuttings or Based Muds er Based Cuttings luced Formation Solids	Washout Water (Non-injectable) Completion Fluid/Flow back (Non-injectable Produced Water (Non-injectable) Gathering Line Water/Weste (Non-injectable) RY-RIVELUSE ONLY		Washout Water (Injectable) Completion Fluid/Flow back (Injectable) Produced Water (Injectable) Gathering Line Water/Waste (Injectable) OTHER COMMENT WASTES (Injectable)	n co. (S) state werte)
Contaminated Soil Plant Waste	Truck Washout (exempt waste)		energy GAT	HERING LINES
STE GENERATION PROCESS:	DAILLING	LETION	PRODUCTION	
All gon-exempt ESP	NON-EXEMP) ERP Weste/Se waste must be analysed and be below the shi	eshold imits for toxicily III	nupt  [P] Igntability, Corrosivity and Reactivity.  Dom Non-Exempt Waste List on back	
Exempt Other			Y-YARDS	E - EACH
NTITY  eby certify that according to the Resource Cons	B - BARRELS	L - LIQUID		the above described was
EMERGENCY NON-OILFEILD: Emergency no determination	n-hazradous, non-oilfeild waste that has been and a desciption of the waste must accompan	ordered by the Department by this form)	of Public Safety (the order, documentation	)
(BROWN AUTHORIZED AGENTS NOAME	To Val	DATE	SIGNATUR	
	IRAN	SPORTER	A was A	-e(02)
nsporter's me dress	field Destruction	Driver's Name Print Name Phone No.	577 291.93	94
one No.	75.69 1	Truck No.	nout incident to the disposal facility listed by	elow.
one No.  ereby certify that the above named material(s)	was/were picked up at the Generator's site list			RIVER'S SIGNATURE
SHIPMENT DATE  TRUCK TIME STAN	DISPOS DISPOS	AL FACILITY	RECEIVING Name/No.	THE RESERVED FOR THE PARTY OF THE PARTY.
N:OUT:				
te Name/ ermit No. Halfway Facility / NM1-006		Phone No.	575-393-1079	
	le Marker 66 Carlsbad, NM 88220. One) YES NO	If YES, was re	ading > 50 micro roentgens? (circle one)	YES N
NORM READINGS TAKEN? (Circle PASS THE PAINT FILTER TEST? (Circle		ROTTOMS		
Feet	inches		BS&W/BBLS Received	BS&W (%)
st Gauge and Gauge deceived			Free Water Total Received	
I hereby certify that the above load material f	oate	DENIED It device, v	yhy? A Mgaar	UBE

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Mama	<b>Petro</b>	3430	Nex
Name _		102	
	3100		

CIN		I GENE	
SAL	BRE		03
	3/20		

	GENERA'		NO. 3343
perator No.		ermit/RRC Noease/Well	1. 14. 1210 211
perators Nameddress		Jame & No	
· Spile 20%	A	.PI No.	0-1015 = 441030
ity, State, Ziphone No.		ig Name & No AFE/PO No	
EXEMPT E&P Waste/	Service Identification and Amount (place		e in barrels or cubic yards) NJECTABLE WATERS
Oil Based Cuttings	NON-INJECTABLE WATERS Washout Water (Non-Injectable)	V	Vashout Water (Injectable)
Nater Based Cuttings	Completion Fluid/Flow Back (Non-Injectable) Produced Water (Non-Injectable)	P	ompletion Fluid/Flow Back (Injectable) roduced Water (Injectable) athering Line Water/Waste (njectable)
Fank Bottoms	Gathering Line Water/Waste (Non-Injectab INTERNAL USE ONLY		THER EXEMPT WASTES (type and generation process of the
Gas Plant Waste	Truck Washout (exempt waste)	PRODUCTION	GATHERING LINES
NASTE GENERATION PROCESS: DRILLING	COMPLETION  NON-EXEMPT E&P Waste/Service		
All non-exempt E&P waste	e must be analysed and be below threshold	limits for toxicity (TGLP), Ignital	ollity, Corrosivity adn Reactivity.  Non-Exempt Waste List on back
QUANTITY / F		LIQUID	Y-YARDS E-EACH
hereby certify that the above listed materialls), is (are) not hackaged, and is in proper condition for transportation according	nazardous waste as defined by 40 CFR Part . ding to applicable regulation.	261 or any applicable state law.	That each waste has been properly described, classified
RCRA EXEMPT: Oil field wastes ge per load basis only	nerated from oil and gas exploration and pr	roduction operation and are not	mixed with non-exempt waste (R360 Accepts certificat
Displayers wh	ich is non hazardous that does not exceed t	he minimum standards for wast	te hazardous by characteristics established in RCRA reg is amended. The following documentation demonstration
waste as non-haza	ardous is attached. (Check the appropriate i	tems as provided)	S amended. The following documentation demonstration  Other (Provide Description Below)
MSDS Information  EMERGENCY NON-DILFIELD Emergency non-ha		rdous Waste Analysis rdered by the Department of Pu	blic Safety (the order, documentation of non-hazardous
determination and	a description of the waste must accompan	y this form)	
(PRINT) AUTHORIZED AGENTS SIGNATURE	DATE		SIGNATURE
ransporter's	TRANSPO		AFREL
lameaddress		Oriver's Name Phone No	4×68037667
<u> </u>		Fruck No.	
hone No.  hereby certify that the above named material(s) was/were.	picked up at the Generator's site listed above	e and delivered without inciden	nt to the disposal facility listed below.
SHIPMENT DATE DR	VER'S SIGNATURE	DELIVERY DATE	DRIVER'S SIGNATURE
		THE RESIDENCE OF THE PROPERTY OF THE PERSON	
TRUCK TIME STAMP	DISPOSALF	ACILITY	RECEIVING AREA
	DISPOSALF	The second secon	RECEIVING AREA ame/No.
TRUCK TIME STAMP  IN:OUT:  Site Name/ ermit No.	6	The second secon	ame/No.
TRUCK TIME STAMP  OUT:  Site Name/ Permit No. Address  Halfway Facility / NM1-00 6601 Hohbs Hwy US 62/180 Mile N	6 Marker 66 Carlsbad, NM 88220	No. <b>575-88</b>	ame/No
TRUCK TIME STAMP  IN: OUT: Site Name/ Permit No	6 Aarker 66 Carlsbad, NM 88220 One) YES NO	Na	ame/No
TRUCK TIME STAMP  OUT:  Site Name/ Permit No. Address  Halfway Facility / NM1-00 6601 Hobbs Hwy US 62/180 Mile N  NORM READINGS TAKEN? (Circle O	6 Aarker 66 Carlsbad, NM 88220 One) YES NO	Phone No. <u>575-88</u> f YES, was reading > 50 mic NORM (mR/hr)	ame/No
TRUCK TIME STAMP  OUT:  Site Name/ Permit No. Address  Halfway Facility / NM1-00 6601 Hobbs Hwy US 62/180 Mile N  NORM READINGS TAKEN? (Circle O  PASS THE PAINT FILTER TEST? (Circle O	6   Farker 66 Carlsbad, NM 88220   One) YES NO   One   One	Phone No. <u>575-88</u> f YES, was reading > 50 mic NORM (mR/hr)	ro roentgents? (Circle One) YES NO
TRUCK TIME STAMP  OUT:  Site Name/ Permit No. Address  Halfway Facility / NM1-00 6601 Hobbs Hwy US 62/180 Mile N  NORM READINGS TAKEN? (Circle O  PASS THE PAINT FILTER TEST? (Circle O  St Guage Ind Guage	6   1   1   1   1   1   1   1   1   1	Phone No. 575-88  f YES, was reading > 50 mic NORM (mR/hr)  TOMS  BS&W/BBLS Referee	ro roentgents? (Circle One) YES NO ecceived BS&W (%)
TRUCK TIME STAMP  OUT:  Site Name/ Permit No. Address  Halfway Facility / NM1-00 6601 Hohbs Hwy US 62/180 Mile N  NORM READINGS TAKEN? (Circle O  PASS THE PAINT FILTER TEST? (Circle O  Feet  St Guage Ind Guage Received	Aarker 66 Carlsbad, NM 88220  One) YES NO  TANK BOT  Inches	Phone No. 575-88  If YES, was reading > 50 mic NORM (mR/hr)  TOMS  BS&W/BBLS Refree Total Ref	ro roentgents? (Circle One) YES NO ecceived BS&W (%)
TRUCK TIME STAMP  OUT:  Site Name/ Permit No. Address  Halfway Facility / NM1-00 6601 Hobbs Hwy US 62/180 Mile N  NORM READINGS TAKEN? (Circle O  PASS THE PAINT FILTER TEST? (Circle O  St Guage Ind Guage	Aarker 66 Carlsbad, NM 88220  One) YES NO  TANK BOT  Inches	Phone No. 575-88  If YES, was reading > 50 mic NORM (mR/hr)  TOMS  BS&W/BBLS Referee Total Referee T	ro roentgents? (Circle One) YES NO ecceived BS&W (%)

Site Name/

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgents? (Circle One) NO PASS THE PAINT FILTER TEST? (Circle One) NO

BS&W/BBLS Received BS&W (%

2nd Guage Received Total Received I hereby certify that the above load material has been (circle one): ACCEPTED DENIED

If denied, why?

1st Guage

TITLE



Company Man Contact Information

	STATE OF THE PARTY	E PRINT)	IANIFEST	lame of the state
	IPLEAS	ETMINIT	Phone	
	GENE	RATOR	NO.	588802
erator No.		Permit/RRC No. Lease/Well	Destroy Co	Can 13/2 13/1
erators Name ADM 0.1 + 505	\$70J	Name & No.	Edde	
tress 1001 W W Dinice	7 11/10	County  API No.	30 05	49098
Suite Live	AV 23116	Rig Name & No.		
y, State, Zip	1291	AFE/PO No.		
one No.	vice Mentification and Amount		sale type in barrels or o	Bic yards)
Based Muds RON-IN	ECTABLE WATERS		HIMEET ABLE WATERS Washout Water (Injectab	THE RESIDENCE OF THE PARTY OF T
il Based Cuttings Washou	rt Water (Nor-Injectable) tion Fluid/Flow back (Non-Injectabl	(e)	Completion Fluid/Flow ba	ck (Injectable)
Produce	d Water (Non-injectable)		Produced Water (Injectal Gathering Line Water/Wa	ste (Injectable)
Tallette at	ng Line Water/Wasta (Non-Injectab A) USE ONLY	ole)	CHARLES EMPLOYABLES	type and agreement process of the warre!
	Vashout (exempt waste)			
as Plant Waste	F1 2012	GV ETTION	PRODUCTION	GATHERING LINES
ASTE GENERATION PROCESS: DRILLIN		PLETION [_]	Mary Control of the C	
The second second	NOW EXEMPTEED WASTE. S at be analy a d and be below the th	ervice (dentification and Amerespoid limits for toxicity (10)	iuru - Le), igaitability, Corressivity -	and Reactivity.
on-Exempt Other		*please select fro	om Non-Exempt Waste Lis	t on back
on Exemptions.	B - BARRELS	L-LIQUID	Y-YAR	DS / E - EACH
UANTITY hereby certify that according to the Resource Conservation ar			1 1 1 1000 Inton	determination the above described wa
EMERGENCY NON-OILFEILD: Emergency non-hazradou determination and a description	is, non-oilfeild waste that has been			
	iption of the Russe Masses	ordered by the Department on this form)	of Public Safety (the order,	documentation of non-hazardous waste
IPRINTY AUTHORIZED ASENTS NAME		ordered by the Department ony this form)  DATE	of Public Safety (the order,	documentation of non-hazardous waste
PRINT STHUSING MOENTS NAME		ny this form)  DATE	of Public Safety (the order,	
		ny this form)	of Public Safety (the order,	7
Transporter's		DATE  SPORTER  Driver's Name	of Public Safety (the order,	7
Transporter's Name		DATE  SPORTER  Driver's Name  Print Name	of Public Safety (the order,	7
Transporter's Name Address		DATE  SPORTER  Driver's Name  Print Name Phone No.	of Public Safety (the order,	
Transporter's Name Address	TRAN	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.	12 A F- ) 15 1	SIGNATURE
Transporter's Name Address	TRAN	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.	12 A F- ) 15 1	SIGNATURE  facility listed below.
Transporter's Name Address Phone No. I hereby certify that the above named material(s) was/were p	TRAN  TRAN  Dicked up at the Generator's site list  PS SIGNATURE	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  ted above and delivered without the page.	out incident to the disposal	SIGNATURE  Facility listed below.  DRIVER'S SIGNATURE
Phone No.  I hereby certify that the above named material(s) was/were p	TRAN  TRAN  Dicked up at the Generator's site list  PS SIGNATURE	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  red above and delivered without	out incident to the disposal	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA
Transporter's Name Address Phone No. I hereby certify that the above named material(s) was/were.p	TRAN  TRAN  Dicked up at the Generator's site list  PS SIGNATURE	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  ted above and delivered without the page.	out incident to the disposal	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA
Phone No.  I hereby certify that the above named material(s) was/were p  SHIPMENT DATE  TRUCK TIME STAMP  OUT:	TRAN  TRAN  Dicked up at the Generator's site list  PS SIGNATURE	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  ted above and delivered without the page.	out incident to the disposal VERY DATE R Name/No	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA
Transporter's Name Address  Phone No.  Thereby certify that the above named material(s) was/were p  SHIPMENT DATE  TRUCK TIME STAMP  OUT:  Site Name/ Permit No.  Halfway Facility / NM1-006	TRAN  TRAN  SICKED UP at the Generator's site list  PESSIGNATURE  DISPOS	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  ted above and delivered without the second delivered delivered without the second delivered deli	out incident to the disposal	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA
Transporter's Name Address  Phone No. I hereby certify that the above named material(s) was/were p  SHIPMENT DATE  TRUCK TIME STAMP  IN: OUT: Site Name/	TRAN  TRAN  SICKED UP at the Generator's site list  PESSIGNATURE  DISPOS	DATE  SPORTER  Driver's Name Print Name Phone No. Truck No. and delivered without the page of the page	put incident to the disposal VERY DATE R Name/No 575-393-1079	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA D.
Phone No.  I hereby certify that the above named material(s) was/were particles  TRUCK TIME STAMP  OUT:  Site Name/ Permit No.  Address  G601 Hobbs Hwy US 62/180 Mile Marker 6  NORM READINGS TAKEN? (Circle One)	TRAN	DATE  SPORTER  Driver's Name Print Name Phone No. Truck No. ted above and delivered without the second	out incident to the disposal VERY DATE R Name/No	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA D.
Phone No.  Thereby certify that the above named material(s) was/were parties that the above named material(s) was/were parties TRUCK TIME STAMP  IN:  OUT:  Site Name/ Permit No.  Halfway Facility / NM1-006  Address  6601 Hobbs Hwy US 62/180 Mile Marker 6	TRAN	DATE  SPORTER  Driver's Name Print Name Phone No. Truck No. ted above and delivered without the second	put incident to the disposal VERY DATE R Name/No 575-393-1079	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA D.
Phone No.  Thereby certify that the above named material(s) was/were property certified that the above named material (s) was/were property certified that the above named material (s) was/were property certified that the above named material (s) was/were property certified that the above named material (s) was/were property certified that the above named material (s	TRAN	DATE  SPORTER  Driver's Name Print Name Phone No. Truck No. ted above and delivered without the second	put incident to the disposal VERY DATE R Name/No 575-393-1079	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA D.
Transporter's Name Addrass  Phone No. I hereby certify that the above named material(s) was/were particles  TRUCK TIME STAMP OUT:  Site Name/ Permit No. Address  Halfway Facility / NM1-006 Address  NORM READINGS TAKEN? (Circle One)	TRAN	DATE  SPORTER  Driver's Name  Print Name  Phone No.  Truck No.  ted above and delivered without  AL FACILITY  Phone No.  If YES, was real  NO.	put incident to the disposal VERY DATE R Name/No 575-393-1079	facility listed below.  DRIVER'S SIGNATURE  ECEIVING AREA D.

Thereby certify that the above load material has been (circle one).

ACCEPTED

DENIED

If denied, why?

Released to Imaging: 8/15/2023 11:21:18 AM

Received

HVIRONIJENTA SOLIMONIC	(PLEASE PRINT) *REQU	IRED INFORMATION* Phone No. (412) (AS-5)
	GENERATOR	NO. 3 9 9 7 9
Operator No.  Operators Name Address  City, State, Zip Chone No.	Permit/RRC No. Lease/Well Name & No. County API No. Rig Name & No. AFE/PO No.	Overtion Feb (om 1318 132 H Epoq 30 - 015 - 4912)
	ice Identification and Amount (place volume next to w	vaste typs in barrels or cubic yards)
Dil Based Cuttings Waste Based Muds Water Based Cuttings Produced Formation Solids Fank Bottoms Was United Solids	HINJECTABLE WATERS hout Water (Non-Injectable) pletion Fluid/Flow Back (Non-Injectable) uced Water (Non-Injectable) ering Line Water/Waste (Non-Injectable) RNAL USE GNLY k Washout (exempt waste)	INJECTABLE WATERS  Washout Water (Injectable) Completion Fluid/Flow Back (Injectable) Produced Water (Injectable) Gathering Line Water/Waste (njectable)  OTHER EXEMPT WASTES (type and generation process of the wa
WASTE GENERATION PROCESS: DRILLING	COMPLETION PRODUCT	10N GATHERING LINES
All non-exempt E&P waste mus Non-Exempt Other	NON-EXEMPT E&P Waste/Service Identification and An st be analysed and be below threshold limits for toxicity (TCL *please sel	nount Pl. Ignitability: Corpositity adu Reactivity. Lect from <b>Non-Exempt Waste List</b> on back
B-	BARRELS L-LIQUID	( Y-YARDS ) E-EACH
40 CFR 261.21-261.24, c waste as non-hazardous  MSDS Information  EMERGENCY NON-OILFIELD  Emergency non-hazardo	or listed hazardous waste as defined by 40 CFR, part 261, sults is attached. (Check the appropriate items as provided)  RCRA Hazardous Waste Analysis	s for waste hazardous by characteristics established in RCRA regulat boart D, as amended. The following documentation demonstrating th  Other (Provide Description Below)  nent of Public Safety (the order, documentation of non-hazardous was
RCRA NON-EXEMPT: Oil field waste which is 40 CFR 261.21-261.24, waste as non-hazardous MSDS Information EMERGENCY NON-OILFIELD Emergency non-hazardo determination and a des	non-hazardous that does not exceed the minimum standards or listed hazardous waste as defined by 40 CFR, part 261, sult is attached. (Check the appropriate items as provided)  RCRA Hazardous Waste Analysis ous, non-oilfield waste that has been ordered by the Departm scription of the waste must accompany this form)	s for waste hazardous by characteristics established in RCRA regulat boart D, as amended. The following documentation demonstrating th
RCRA NON-EXEMPT: Oil field waste which is 40 CFR 261.21-261.24, c waste as non-hazardous MSDS Information  EMERGENCY NON-OILFIELD Emergency non-hazardo determination and a des	non-hazardous that does not exceed the minimum standards or listed hazardous waste as defined by 40 CFR, part 261, subsists attached. (Check the appropriate items as provided)  RCRA Hazardous Waste Analysis ous, non-oilfield waste that has been ordered by the Departm scription of the waste must accompany this form)	s for waste hazardous by characteristics established in RCRA regulat boart D, as amended. The following documentation demonstrating th  Other (Provide Description Below) nent of Public Safety (the order, documentation of non-hazardous was
RCRA NON-EXEMPT.  Oil field waste which is 40 CFR 261.21-261.24, c waste as non-hazardous MSDS Information  EMERGENCY NON-OILFIELD  Emergency non-hazardo determination and a des  (PRINT) AUTHORIZED AGENTS SIGNATURE  ransporter's lame ddress  hone No.  hereby certify that the above named material(s) was/were picked	non-hazardous that does not exceed the minimum standards or listed hazardous waste as defined by 40 CFR, part 261, substituted in the sist attached. (Check the appropriate items as provided)  RCRA Hazardous Waste Analysis us, non-oilfield waste that has been ordered by the Departm scription of the waste must accompany this form)  DATE  TRANSPORTER  Driver's Name Phone No. Truck No.	s for waste hazardous by characteristics established in RCRA regulat boart D, as amended. The following documentation demonstrating the Other (Provide Description Below) nent of Public Safety (the order, documentation of non-hazardous was SIGNATURE
RCRA NON-EXEMPT: Oil field waste which is 40 CFR 261.21-261.24, c waste as non-hazardous   MSDS Information  EMERGENCY NON-OILFIELD   Emergency non-hazardo determination and a des  (PRINT) AUTHORIZED AGENTS SIGNATURE  ransporter's aame   ddress   hone No.	non-hazardous that does not exceed the minimum standards or listed hazardous waste as defined by 40 CFR, part 261, sults is attached. (Check the appropriate items as provided)  RCRA Hazardous Waste Analysis cus, non-oilfield waste that has been ordered by the Departm scription of the waste must accompany this form)  DATE  TRANSPORTER  Driver's Name Phone No. Truck No.	s for waste hazardous by characteristics established in RCRA regulat boart D, as amended. The following documentation demonstrating the Other (Provide Description Below) nent of Public Safety (the order, documentation of non-hazardous was SIGNATURE
RCRA NON-EXEMPT:  Oil field waste which is 40 CFR 261.21-261.24, waste as non-hazardous waste as non-hazardous master as non-h	non-hazardous that does not exceed the minimum standards or listed hazardous waste as defined by 40 CFR, part 261, subsists attached. (Check the appropriate items as provided)  RCRA Hazardous Waste Analysis us, non-oilfield waste that has been ordered by the Departm scription of the waste must accompany this form)  DATE  TRANSPORTER  Driver's Name Phone No. Truck No.  Truck No.  DELIVERY DATE  DISPOSAL FACILITY  Phone No.	s for waste hazardous by characteristics established in RCRA regulat boart D, as amended. The following documentation demonstrating the Other (Provide Description Below) ment of Public Safety (the order, documentation of non-hazardous was SIGNATURE  DRIVER'S SIGNATURE  RECEIVING AREA
RCRA NON-EXEMPT:  Oil field waste which is 40 CFR 261.21-261.24, waste as non-hazardous master as non-hazardous determination and a des non-hazardous master as non-hazardous	non-hazardous that does not exceed the minimum standards or listed hazardous waste as defined by 40 CFR, part 261, sults is attached. (Check the appropriate items as provided)  RCRA Hazardous Waste Analysis us, non-oilfield waste that has been ordered by the Departm scription of the waste must accompany this form)  DATE  TRANSPORTER  Driver's Name Phone No. Truck No.  DELIVERY DATE  DISPOSAL FACILITY  Phone No.  Phone No.  Truck No.  10 DELIVERY DATE  DISPOSAL FACILITY  Phone No.  11 Teb Carlshad, NM 88220  YES NO If YES, was reading > NORM (mR/hr)	s for waste hazardous by characteristics established in RCRA regulat boart D, as amended. The following documentation demonstrating the other (Provide Description Below) nent of Public Safety (the order, documentation of non-hazardous was SISNATURE  SISNATURE  DRIVER'S SIGNATURE  RECEIVING AREA  Name/No.
RCRA NON-EXEMPT:  Oil field waste which is 40 CFR 261.21-261.24, waste as non-hazardous MSDS Information  EMERGENCY NON-OILFIELD  Emergency non-hazardous determination and a des determination and de	non-hazardous that does not exceed the minimum standards or listed hazardous waste as defined by 40 CFR, part 261, sults is attached. (Check the appropriate items as provided)  RCRA Hazardous Waste Analysis us, non-oilfield waste that has been ordered by the Departm scription of the waste must accompany this form)  DATE  TRANSPORTER  Driver's Name Phone No. Truck No.  Up at the Generator's site listed above and delivered without the property of the property	s for waste hazardous by characteristics established in RCRA regulat boart D, as amended. The following documentation demonstrating the Other (Provide Description Below) ment of Public Safety (the order, documentation of non-hazardous was SIGNATURE  SIGNATURE  DRIVER'S SIGNATURE  RECEIVING AREA  Name/No.  575-887-6504  > 50 micro roentgents? (Circle One) YES NO
RCRA NON-EXEMPT:  Oil field waste which is 40 CFR 261.21-261.24, waste as non-hazardous waste as non-hazardous master as non-h	non-hazardous that does not exceed the minimum standards or listed hazardous waste as defined by 40 CFR, part 261, sults is attached. (Check the appropriate items as provided)  RCRA Hazardous Waste Analysis us, non-oilfield waste that has been ordered by the Departm scription of the waste must accompany this form)  DATE  TRANSPORTER  Driver's Name Phone No. Truck No.  DELIVERY DATE  DISPOSAL FACILITY  Phone No.  TO BELIVERY DATE  Phone No.  TO BELIVERY DATE  TANK BOTTOMS  Inches  BS&W/I	s for waste hazardous by characteristics established in RCRA regulat boart D, as amended. The following documentation demonstrating the Other (Provide Description Below) nent of Public Safety (the order, documentation of non-hazardous was SIGNATURE  SIGNATURE  DRIVER'S SIGNATURE  RECEIVING AREA  Name/No.  575-887-6504



	Compan	y Ma	n Co	ntact	Infor	mat	io
Name	e Ket	C.		(4)	111		

	13	Cont.		Name
No. and Market M	77		7	

sceness V		Phone No.
	GENERATOR	NO. 588801
perator No.	Permit/RR Lease/We	
perators Name	Name & N	
ddress 1001 W WISH-C 18	County	110 mm 1905 8
Suite 2010	API No.	70 =013 4 W 1 B
ity, State, Zip	N// Rig Name	
none ive.	AFE/PO N	
DI Based Muds EXEMPT ESH Waste/Service IDEL		xi to wasts type in barrels or cubic yards) historiaaliz waress
Oil Based Cuttings Washout Water		Washout Water (injectable)   Completion Fluid/Flow back (injectable)
Vater Based Cultings Produced Water	(Non-injectable)	Produced Water (Injectable) Gathering Line Water/Waste (Injectable)
Produced Formation Solids Gatherine Line M Sink Bothoms UNITED TO	/ater/M/aste (Non-Injectable) NLV	DINER EXEMPT WASTER Byte addresders for process of the waster
&P Contaminated Soil Truck Washout (	exempt waste)	
/ASTE GENERATION PROCESS: DRILLING	COMPLETION	PRODUCTION GATHERING LINES
N N N N N N N N N N N N N N N N N N N	DIVEXEMENTER Waste/Service Identification	and Amount Long (TCLP), Ignitability' Gorrosivity and Searchivity.
All non-exempt but weste must be sup-		select from Non-Exempt Waste List on back
on sample of the same of the s	CONTRACTOR OF THE PARTY OF THE	
QUANTITY T	B - BARRELS L - LIQUIE	
nereby certify that according to the Resource Conservation and Recove ad is (Check the appropriate classification)	ery Act (RCRA) and the US Environmental Prote	ection Agency's July 1988 regulatory determination, the above described wa
RCRA EXEMPT: load basis only)		este for waste hazardous by characteristics established in RCRA regulations.
RCRA NON-EXEMPT: Oil field waste which is non-hazardo	ous that does not exceed the minimum standar	rds for waste hazardous by characteristics established in RCRA regulations, 4
		D, as amended. The following documentation demonstrating the waste as n
bazardous is attached (Check the a	inpropriate items as provided)	
hazardous is attached. (Check the a	ppropriate items as provided)  RCRA Hazardous Waste Analysis	Other (Provide Description Below)
MSDS Information	RCRA Hazardous Waste Analysis	
MSDS Information	RCRA Hazardous Waste Analysis.  felld waste that has been ordered by the Depa	Other (Provide Description Below)  rtment of Public Safety (the order, documentation of non-hazardous waste
MSDS Information Emergency non-hazradous, non-oil	RCRA Hazardous Waste Analysis	rtment of Public Safety (the order, documentation of non-hazardous waste
MSDS Information	RCRA Hazardous Waste Analysis.  felld waste that has been ordered by the Departhe waste must accompany this form)  DATE	
MSDS Information   Emergency non-hazradous, non-oill determination and a desciption of the second sec	RCRA Hazardous Waste Analysis felld waste that has been ordered by the Depa the waste must accompany this form)	rtment of Public Safety (the order, documentation of non-hazardous waste
EMERGENCY NON-OILFEILD: Emergency non-hazradous, non-oil determination and a description of the second seco	RCRA Hazardous Waste Analysis  felld waste that has been ordered by the Departhe waste must accompany this form)  DATE	rtment of Public Safety (the order, documentation of non-hazardous waste
EMERGENCY NON-OILFEILD: Emergency non-hazradous, non-oil determination and a description of the second seco	RCRA Hazardous Waste Analysis.  feild waste that has been ordered by the Depathe waste must accompany this form)  DATE  TRANSPORTER  Driver's N	rtment of Public Safety (the order, documentation of non-hazardous waste  SIGNATURE  Name
EMERGENCY NON-OILFEILD: Emergency non-hazradous, non-oil-determination and a desciption of the second secon	RCRA Hazardous Waste Analysis.  feild waste that has been ordered by the Departure waste must accompany this form)  DATE  TRANSPORTER  Driver's Name of the Departure of the Dep	rtment of Public Safety (the order, documentation of non-hazardous waste  SIGNATURE  Name  ne  o.
EMERGENCY NON-OILFEILD: Emergency non-hazradous, non-oilteild: determination and a desciption of the second	RCRA Hazardous Waste Analysis.  feild waste that has been ordered by the Departure waste must accompany this form)  DATE  TRANSPORTER  Driver's None No	rtment of Public Safety (the order, documentation of non-hazardous waste signature)  signature  tame  ne  o.
EMERGENCY NON-OILFEILD: Emergency non-hazradous, non-oilteild: determination and a desciption of the second	RCRA Hazardous Waste Analysis.  feild waste that has been ordered by the Departure waste must accompany this form)  DATE  TRANSPORTER  Driver's None No	rtment of Public Safety (the order, documentation of non-hazardous waste signature)  signature  tame  ne  o.
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EMERGENCY NON-OILFEILD: Emergency non-hazradous, non-oil determination and a desciption of the determination and a desciption and desci	RCRA Hazardous Waste Analysis.  feild waste that has been ordered by the Depa the waste must accompany this form)  DATE  TRANSPORTER  Driver's N  Print Nar Phone No Truck No  t the Generator's site listed above and delivers  Phone No NM 88270  NO If YES, NO TANK BOTTOMS	rtment of Public Safety (the order, documentation of non-hazardous waste SIGNATURE  Name need without incident to the disposal facility listed below.  DELIVERY DATE DRIVER'S SIGNATURE  RECEIVING AREA  Name/No.  Delivery 304 1079  Was reading > 50 micro roentgens? (circle one)  PS&W/EBES Received BS&W (%)
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(PLEASE PRINT) \*REQUIRED INFORMATION\*

Compan	y Man		mation
Name _		e i	

		GENE	RATOR	NO.	7005502
perator No.			Permit/RRC No Lease/Well	We less too	1300 23
perators Name	o the A way	S Commission	Name & No.	WY 12 Fees	
ddress <u>1/2011 u</u>	12 772		County		
ity, State, Zip	100 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	4316	Rig Name & No		
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Vaste Based Muds Vater Based Cuttings	Complet	ion Fluid/Flow Back (Non-Inje d Water (Non-Injectable)	ctable)	Completion Fluid/Flow B Produced Water (Injectal	
roduced Formation Solids ank Bottoms	Gatherin	ng Line Water/Waste (Non-Inj	ectable)	Gathering Line Water/W	aste (njectable)
BP Contaminated Soil Gas Plant Waste	The state of the s	At USE ONLY ashout (exempt waste)		DAMEN CAMPINE WAS LEC	(type and generation process of the war
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUCTION	☐ GATHE	RING LINES
AL CONTRACTOR OF THE STATE OF T	non-exempt F&P waste must b	NON-EXEMPT E&P Waste/S	ervice Identification and Amount snoid limits for toxicity (TCLP), Ion	Hability, Corresivity admiRe	pactivity.
Non-Exempt Other	mentano pi ser meneral			om <b>Non-Exempt Waste I</b>	
DUANTITY	124- B - BA	ARRELS	L - LIQUID	Y-YARDS	E-EACH
hereby certify that the above listed ackaged, and is in proper condition	material(s), is (are) not hazardou	s waste as defined by 40 CFR	Part 261 or any applicable state I	aw. That each waste has b	een properly described, classified an
RCRA NON-EXEMPT:	40 CFR 261.21-261.24, or li waste as non-hazardous is MSDS Information	isted hazardous waste as defi attached. (Check the appropr RCRA	ned by 40 CFR, part 261, subpart I late items as provided) Hazardous Waste Analysis	), as amended. The follow.	eristics established in RCRA regulating documentation demonstrating the (Provide Description Below)
EMERGENCY NON-OILFIELD	Emergency non-hazardous, determination and a descri	non-oilfield waste that has b iption of the waste must acco	een ordered by the Department of mpany this form)	Public Safety (the order, d	ocumentation of non-hazardous was
(PRINT) AUTHORI	ZED AGENTS SIGNATURE	PERSONAL PROPERTY AND LOSS OF THE PARTY AND	ATE	SIGNATUR	BE .
ransporter's	561-412552	TRANS	PORTER		1911年最早有
lame		A S CHARLES	Driver's Name	THE WELL	
ddress <u> </u>	S N W	THU W	Phone No Truck No		
Thone No.	575-34	3,-1019			
hereby certify that the above named	f material(s) was/were picked up	p at the Generator's site lister	above and delivered without inci	dent to the disposal facilit	y listed below.
SHIPMENT DATE	DRIVER'S SIGN	THE RESERVE THE PROPERTY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO I	DELIVERY DATE	CONTRACTOR OF THE PARTY OF THE	DRIVER'S SIGNATURE
TRUCK TIME S		DISPOSA	L FACILITY		VING AREA
IN: Market Di	JT:			Name/No	
	Facility / NM1-006 Hwy US 62 / 180 Mile Marker 6	6 Carlshad, NM 88220	Phone No. <u>575-</u>	887-6504	
		YES NO	If YES, was reading > 50 r	nicro roentaents? (Circle	e One) YES NO
		YES NO	NORM (mR/hr)		
		TANKB	OTTOMS		
st Guage Feet	Inc	ches	BS&W/BBLS	Received	BS&W (%)
nd Guage				ree Water	
Received			The second second second second	I Received	
hereby certify that the above load n	naterial has been (circle one):	ACCEPTED	DENIED If denie	ed, why?	
NAME (PRINT)		DATE	TITLE		SIGNATURE

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<b>R36</b> 9			
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SWELLTIONS		195	

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Alue II as		Lease/Well	Dustra L	1 day 1818 131
erators Name	3/11	Name & No.	54	
dress BBC GO GALLANCE S		County API No.	25 015	4978
y, State, Zip OLIGANIE CA SOL	73/6	Rig Name & No.		1530/19/6/20X40710F
one No. 405 286 4391		AFE/PO No.	W/W	
EXEMPT E8P Whate/service identi	Water and Amount (Mare	valument to w	aste ivee in barrels or col	ic verds)
Based Meds MCN-pure LASE V	THE RESERVE OF THE PARTY OF THE PARTY.		I INJECTABLE WATERS	
Based Cuttings Washout Water (No ater Based Muds Completion Fluid/F	on-injertable) fow back (Non-Injectable)		Washout Water (Injectable Completion Fluid/Flow back	
ater Based Cuttings Produced Water (N	on-injectable)		Produced Water (Injectable	
oduced Formation Solids Gathering Line Wat ik Bottoms MTSSUAL INSE ON	er/Waste (Non-Injectable) Y		Gathering Line Water/Wast	e princetable)
P Contaminated Soil Truck Washout (exc	empt waste)			
s-Plant Waste ASTE GENERATION PROCESS: DRILLING	Г1 сомрыто	v n	PRODUCTION	GATHERING LINES
	EXEMPT HAP Waster/Service to	The same of the sa	nsor*	
All poin-exertint E&P westering is the abolity		mits for toxicity (TC	LP) Ignitability, Corrosivity an	
n-Exempt Other		*please select fr	om Nan-Exempt Waste List (	on back
ANTITY B	- BARRELS	L - LIQUID	Y - YARDS	E - EACH
reby certify that according to the Resource Conservation and Recovery	Act (RCRA) and the US Environ	nental Protection Ag	gency's July 1988 regulatory d	etermination, the above described wast
d is (Check the appropriate classification)			and the state of with the same of the same	uneto (P2CO Assents cortifications on a
RCRA EXEMPT: Oil field wastes generated from oil and load basis only)	i gas exploration and productio	n operations and are	e not mixed with non-exempt.	waste (R360 Accepts certifications on a
글(M. B.) 프로스(), (전 B. '프로스') [ [2] [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [	that does not exceed the minir	num standards for w	vaste hazardous by characteris	stics established in RCRA regulations, 40
				entation demonstrating the waste as nor
hazardous is attached. (Check the app				
MSDS Information R	CRA Hazardous Waste Analysis		Other (Provide Description I	Below)
Emergency non-hazradous, non-oilfeil	d waste that has been ordered	by the Department o	of Public Safety (the order, doo	cumentation of non-hazardous waste
EMERGENCY NON-OILFEILD: determination and a desciption of the	waste must accompany this for	m)	120	والم
(PRINT) AUTHORIZE AGENTS NAME	+3	DATE		
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ne No. reby certify that the above named material(s) was/were picked up at th		Driver's Name Print Name Phone No. Truck No. and delivered without	ut incident to the disposal faci	lity listed below.
one No.  Treby certify that the above named material(s) was/were picked up at the shipment date provenis algorature TRUCK TIME STAMP	e Generator's site listed above	Driver's Name Print Name Phone No. Truck No. and delivered without	ut incident to the disposal faci exypare REC	lity listed below.  DRIVER'S SIGNATURE
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TRUCK TIME STAMP  TRUCK TIME STAMP  OUT:  Name/ mit No.  Halfway Facility / NM1-006  fress  6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, Ni	DISPOSAL FA	Driver's Name Print Name Phone No. Truck No. and delivered without DELIVE	REC Name/No.	lity listed below.  DRIVER'S SIGNATURE  CEIVING AREA
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TISOV)  WHO MALENTAL  SOLUTIONS		(PLEASE PRINT) *REQUIF	RED INFORMATION*	one No. (132) 215 - 545
MARKET MARKET		GENERATOR	NO.	99378
perator No.  perators Name ddress  ity, State, Zip	ok Jine	Permit/RRC No. Lease/Well Name & No. County API No. Rig Name & No.	OVATION (ED 40 5094 30-015 - 40121	m 1318 132 H
one No. ———————————————————————————————————	Vaste/Service Identification	AFE/PO No and Amount (place volume next to wa	este type in barrels or cubic vard	8
il Based Muds il Based Cuttings /aste Based Muds /ater Based Cuttings roduced Formation Solids ank Bottoms	NON-INJECTABLE WA Washout Water (Non-I Completion Fluid/Flow Produced Water (Non-I	TERS njectable) Back (Non-Injectable)	INJECTABLE WATERS   Washout Water (Injectable)   Completion Fluid/Flow Back   Produced Water (Injectable)   Gathering Line Water/Wast	(Injectable)
&P Contaminated Soil Gas Plant Waste	Truck Washout (exemp	THE RESIDENCE OF THE PERSON NAMED IN COLUMN 2 IN COLUM		
VASTE GENERATION PROCESS: DF		MPLETION PRODUCTION  TESP Waste/Service Identification and Ame		G LINES
Aff non-éxempt E& Van-Exempt Other	P waste must be analysed and	I be nelow threshold limits for toxicity (TCLP	), Ignitability, Cortosivity adn React ot from <b>Non-Exempt Waste List</b>	
DUANTITY 2	B - BARRELS	E-FIOND	Y - YARDS	E-EACH
determinat	ion and a description of the wa	aste that has been ordered by the Departme aste must accompany this form)	ent of Public Safety (the order, docu	memadon or norrhazardous waste
(PRINT) AUTHORIZED AGENTS SIGNATI	RE	TRANSPORTER	SIGNATURE	
ansporter's Kosha K ame ddress =		Driver's Name Phone No Truck No	165 ( 753	1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 1711 - 17
hone No. hereby certify that the above named material(s) was	/were picked up at the Genera		t incident to the disposal facility lis	ted below.
SHIPMENT DATE	DRIVER'S SIGNATURE	DELIVERY DATE	RECEIVIN	ER'S SIGNATURE
TRUCK TIME STAMP  N: OUT:	ע	ISPOSAL FACILITY	Name/No.	NO AILA
ite Name/ ermit No. ddress  Halfway Facility / NN 6601 Hobbs Hwy US 62/180	/11-006 Mile Marker 66 Carlsbad, NI	1 110110 1101	575-887-6504	
NORM READINGS TAKEN? (0 PASS THE PAINT FILTER TEST? (0		NO If YES, was reading > NORM (mR/hr)	50 micro roentgents? (Circle 0	ne) YES NO
Feet	Inches	TANK BOTTOMS		Salar and the sa
st Guage ceived	HILIGO		BBLS Received Free Water Total Received	BS&W (%)
hereby certify that the above load material has been	(circle one): ACCEPTE	DENIED IF	denied, why?	
NAME (PRINT)	DATE	THEE		SIGNATURE

Yellow-TRANSPORTER COPY

Pink-GENERATOR SITE COPY

308.R360-5240

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company with C Page 95 of 138

Phone No. 431 2 215 5452

		GENE	RATOR	NO. WAS	3607
perator No.  Uperators Name Address	1- AUTHRE	7972 Vol.	Permit/RRC No	Cupation February 131, Epon 30, 015, 49121	
Phone No. 405	10MY CITY DK .	73 (16)	Rig Name & No. — AFE/PO No. —		
EXI  Oil Based Muds  Oil Based Cuttings  Waste Based Muds  Water Based Cuttings  Produced Formation Solids  Tank Bottoms  E&P Contaminated Soil  Gas Plant Waste	NON-INJE Washout V Completion Produced V Gathering	entification and Amount CTABLE WATERS Vater (Non-Injectable) in Fluid/Flow Back (Non-Injectable) Water (Non-Injectable) Line Water/Waste (Non-Injectable) USE ONLY hout (exempt waste)	stable)	type in barrels or cubic yards) INJECTABLE WATERS Washout Water (Injectable) Completion Fluid/Flow Back (Inject Produced Water (Injectable) Gathering Line Water/Waste (Injectable) OTHER EXEMPT WASTES (type and	table)
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUCTION		ES
All ru Non-Exempt Öther	↑ n-exempt E&P waste must be a	NON-EXEMPT E&P Waste/S analysed and be below thro	ervice Identification and Amoun shold limits for toxicity (TCLP), Is *please select l	t pritability, Corrosivity adn Reactivity, from <b>Non-Exempt Waste List</b> on ba	ock .
QUANTITY	B - BAR	RELS	L - LIQUID	( Y - YARDS )	E - EACH
EMERGENCY NON-OILFIELD	determination and a descript	tion of the waste must acco	mpany this form)	of Public Safety (the order, documents	ntíon of non-hazardous was
Transporter's Name Address	AGENTS SIGNATURE	THE RESERVE THE PARTY OF THE PA	PORTER  Driver's Name Phone No. Truck No. —	SIGNATURE 12 12 12 12 12 12 12 12 12 12 12 12 12 1	9 7.41
Phone No.  I hereby certify that the above named n	naterial(s) was/were picked up	at the Generator's site listed		The Decree of the Section of the Sec	
TRUCK TIME ST			L FACILITY	RECEIVING A	AND DESCRIPTION OF THE PERSON
Site Name/ Permit No.  Address  Halfway Fa	acility / NM1-006 vy US 62 / 180 Mile Marker 66	Carlsbad, NM 88220	THORE IVO.	5-887-6504	
		YES NO YES NO	NORM (mR/hr)	O micro roentgents? (Circle One)	YES NO
1st Guage Feet 2nd Guage Received	Inch	IANK B		LS Received Free Water tal Received	BS&W (%)
I hereby certify that the above load ma	terial has been (cîrcle one):	ACCEPTED DATE	DENIED If de	nied, why?	ATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST (PLEASE PRINT)

Company Man Contact Information

Stephese:				Phon	a No. 436/6/A 3/36
		GENE	RATOR	NO.	588804
Operator No.			Permit/RRC No.		
Operators Name Albay all	2 945		Lease/Well Name & No.	Dutien	4 d Com 13/8 131
Address 1001 has	WISHIT BI	2	County	Elly	
Seite	206		API No.	30 01	5-50098
City, State, Zip	in City OL	73/16	Rig Name & No.		
Phone No. 1/05	286-939		AFE/PO No.		
EXEMI	TERP Waste/Service Ide	matication and Amount (	place volume next to	vaste type in barrels or to	bic (ands)
Off Based Muds Off Based Cuttings	MON-IGH CTARE	F We (E/S (Non-Injectable)		INJECTABLE WATERS	
Water Based Muds		d/Flow back (Non-Injectable)		Washout Water (Injectable Completion Fluid/Flow back)	
Water Based Cuttings Produced Formation Solids		· (Non Injectable) Vater/Waste (Non-Injectable		Produced Water (Injectable Gathering Line Water/Was	Carrier Son Telephone Carrier Control Control
Tank Bottoms E&P Contaminated Soil	MITERICAL USE O	NEV		THE RESIDENCE OF THE RESIDENCE OF THE PARTY	re and generation to recision the wastell
Gas Plant Waste	Truck Washout (	exempt waste)		A CONTRACTOR	
WASTE GENERATION PROCESS:	DRILLING	COMPL	ETION	PRODUCTION	GATHERING LINES
	The state of the s	ON-EXEMPT E&P Waste/Sen	vice Identification and Ar	nount	
Non-Exempt Other	empi EXP Waste must be ana	lysed and he below the three	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	CLP), Ignitability, Corrosivity at	
Morr exempt order				rom Non-Exempt Waste List	on back
QUANTITY		B - BARRELS	L-LIQUID	Y - YARD	S E + EACH
I hereby certify that according to the Reso	urce Conservation and Recove	ery Act (RCRA) and the US En	vironmental Protection A	Agency's July 1988 regulatory of	etermination, the above described waste
load is (Check the appropriate classification		and gas evolutation and pro-	fuction operations and a	o ant mixed with you aware	waste (R360 Accepts certifications on a per
	pasis only)		addition operations and a	e nocumes was non-exempt	waste (1300 Accepts certifications on a per
RCRA NON-EXEMPT: Oil fie	ld waste which is non-hazardo	ous that does not exceed the	minimum standards for	waste hazardous by characteri	stics established in RCRA regulations, 40 CF
				mended. The following docume	entation demonstrating the waste as non-
	dous is attached. (Check the a	ppropriate items as provided RCRA Hazardous Waste An		7 Ostar (Brankla Barriera)	
		Netra Hazardous Waste An	alysis	Other (Provide Description	selow)
EMERGENCY NON-OILFEILD: Emerg	gency non-hazradous, non-oilf	eild waste that has been ord	lered by the Department	of Public Safety (the order, do	cumentation of non-hazardous waste
	mination and a desciption of the			De	
PRINTI AUTOURGED A GENTS MAINE			DATE		SIGNATURE
		TRANSF	PORTER		
Transporter's	West State of the	A STATE OF THE STA	Driver's Name		
NameAddress					
			Print Name Phone No.		
Phone No.			Truck No.		
I hereby certify that the above named mate	erial(s) was/were picked up at	the Generator's site listed a		out incident to the disposal faci	ility listed helow
				serviciae ire disposariae	ncy insect delaw.
SHIPMENT DATE	DRIVER'S SIGNATURE		DELIV	BRY DATE	DRIVER'S SIGNATURE
TRUCK TIME S	TAMP	DISPOSAL	FACILITY	REC	CEIVING AREA
IN:OUT				Name/No.	
Site Name/  Pormit No. Halfuray Facility / NM1 (v	06		Priorie No.	N-10 202	
Permit No. Halfway Facility / NM1-0 Address 6601 Hobbs Hwy US 62/1	.80 Mile Marker 66 Carlsbad, I	NM 88770		575-393-1079	
NORM READINGS TAKEN? (		NQ NQ	IFVES was road	ing > 50 micro roentgens? (circ	de anel yes
PASS THE PAINT FILTER TEST? (		is a second second	NO NO	ing > 30 timeto rocingens, (cire	ole one) YES NO
		TANKEC	TTOMS	A STATE OF THE PARTY OF THE PAR	
Feet	Incl	nes			
1st Gauge 2nd Gauge			BS	&W/BBLS Received	85&W (%)
Received				Free Water Total Received	
		THE RESIDENCE OF THE PARTY OF T	and the second of the second o	AND DESCRIPTION OF THE PARTY OF	
I hereby certify that the above load mate	rial has been (circle one):	ACCEPTED DENIS	ED If denied, why		
		Transplace in the			
NAME (PRINT)	DATE OF THE PARTY		THE		SIGNATURE



R360	NEW MEXICO	NON-HAZARDOUS O (PLEASE PRI			Company M Name ne No.	lan Contact Informatio
	TRUDOS SERVICES AND	GENERAT	OR	NO.	ne ivo.	Paragoner
Operator No.  Operators Name Address  City, State, Zip Phone No.	200 01 + 90 12	SENERAL E	Permit/RRC No. Lease/Well Name & No. County API No. Rig Name & No.	Ova 1	60848 Tret Com 35 mar 1997	5 73/8 <sup>2</sup> 232 102
	Waste/Service Identifica	tion and Amount Johns	AFE/PO No.	lesta tipa in he fall and	ubic warde)	
Oil Based Muds Oil Based Cuttings Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil	NON-INFCTABLE WAY Washout Water (Non-In- Completion Fluid/Flow Produced Water (Non-In- Gathering Line Water/V INTERNAL USE ONLY Truck Washout (exemp	ers njectable) back (Non-Injectable) njectable) Vaste (Non-Injectable)		INJECTABLE WATERS Washout Water (Injectate Completion Fluid/Flow be Produced Water (Injectate Gathering Line Water/Washes) OTHER EXEMPT WASHES	ole) ack (injectable) bie) aste (injectable)	cces; of the waste)
Gas Plant Waste WASTE GENERATION PROCESS:	DRILLING	COMPLETION	N	PRODUCTION	GATHER!	ING LINES
		IMPT ESP Waste/Service to				
All pan-∉xempt i Non-Exempt Other	&P waste must be analysed a	nd be below the threshold i	A CONTRACTOR OF THE PARTY OF TH	191 Ignifability, Corroshity rom Non-Exempt Waste Lis		
QUANTITY	B - BA	ARRELS	L-LIQUID	Y-YAR	DS	E - EACH
determination	on-hazradous, non-oilfeild wa		m)	Other (Provide Description of Public Safety (the order, c	locumentation of non	r-hazardous waste
(PRINT) AUTHORIZED AUSKITS WANTE.		TRANSPOL	DATE		SIGNATURE	
ransporter's lame Address  Phone No.  hereby certify that the above named material(s)	2004 Hury 2004/2 243/074	TRANSPOR	Driver's Name Print Name Phone No. Truck No. and delivered witho	MA	acility listed below.  DRIVER'S SIG	
TRUCK TIME STAN	<b>ЛР</b>	DISPOSAL FA	THE PERSON NAMED IN	The same of the same of the same of	CEIVING ARE	
ite Name/ ermit No. Halfway Facility / NM1-006 ddress 6601 Hobbs Hwy US 62/180 Mil	e Marker 66 Carlsbad, NM 88;	220	Phone No.	575-393-1079		
NORM READINGS TAKEN? (Circle C PASS THE PAINT FILTER TEST? (Circle C		NO	If YES, was readi NO	ng > 50 micro roentgens? (c	rircle one) YES	NO
		TANK BOTT	OMS			
Feet st Gauge nd Gauge eceived I hereby certify that the above load material ha	Inches s been (circle one): AC	CEPTED DENIED	If denied, why?	&W/BBLS Received Free Water Total Received	BS&W	(%)

C-138

Pink GENERATOR SITE COPY Gold - RETURN TO GENERATOR

SIGNATURE

Version 1

NAME (PRINT)



**APPENDIX F** Laboratory Analytical Data Reports



February 07, 2023

**BRYAN HANEY** 

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO OVATION O PAD RELEASE 01/7/2023

Enclosed are the results of analyses for samples received by the laboratory on 02/06/23 16:33.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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



# Analytical Results For:

ALTAMIRA - US BRYAN HANEY 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Sampling Date: 02/05/2023

Reported: 02/07/2023 Sampling Type: Soil

Project Name: NOVO OVATION O PAD RELEASE 01/7/2 Sampling Condition: Cool & Intact
Project Number: NVONM2301/001 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: LOVING NM

mg/kg

# Sample ID: OPN - 1 3-3.5 (H230512-01)

BTEX 8021B

BIEX GOEED	9/	9	Analyze	a 5 y : 5 : 1 ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.01	101	2.00	3.90	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	5.18	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.01	100	2.00	5.92	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.23	104	6.00	4.93	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	197	98.6	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



# Analytical Results For:

ALTAMIRA - US **BRYAN HANEY** 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Sampling Date: 02/05/2023

Reported: 02/07/2023 Sampling Type: Soil

Project Name: NOVO OVATION O PAD RELEASE 01/7/2 Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: NVONM2301/001

Project Location: LOVING NM

# Sample ID: OPN - 2 3-3.5 (H230512-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.01	101	2.00	3.90	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	5.18	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.01	100	2.00	5.92	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.23	104	6.00	4.93	GC-NC
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	196	97.9	200	1.56	
DRO >C10-C28*	261	10.0	02/06/2023	ND	197	98.6	200	1.98	
EXT DRO >C28-C36	27.9	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Keene



# Analytical Results For:

ALTAMIRA - US **BRYAN HANEY** 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Reported: 02/07/2023 Sampling Date: 02/05/2023 Sampling Type: Soil

Project Name: NOVO OVATION O PAD RELEASE 01/7/2 Sampling Condition: Cool & Intact

Project Number: NVONM2301/001 Project Location: LOVING NM

Sample Received By: Shalyn Rodriguez

# Sample ID: OPN - 3 3-3.5 (H230512-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.01	101	2.00	3.90	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	5.18	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.01	100	2.00	5.92	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.23	104	6.00	4.93	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	196	97.9	200	1.56	
DRO >C10-C28*	46.6	10.0	02/06/2023	ND	197	98.6	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	91.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.1	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



# Analytical Results For:

ALTAMIRA - US BRYAN HANEY 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Reported: 02/07/2023

NOVO OVATION O PAD RELEASE 01/7/2

Project Name: NOVO OVATION (
Project Number: NVONM2301/001

Project Location: LOVING NM

Sampling Date: 02/05/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

# Sample ID: OPN - 4 3-3.5 (H230512-04)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.01	101	2.00	3.90	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	5.18	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.01	100	2.00	5.92	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.23	104	6.00	4.93	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	197	98.6	200	1.98	
EXT DRO >C28-C36	19.3	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	89.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.0	% 49.1-14	8						

Applyzod By: 1H /

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Celey D. Keene



# Analytical Results For:

ALTAMIRA - US **BRYAN HANEY** 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Sampling Date: 02/05/2023

Reported: 02/07/2023 Sampling Type: Soil

Project Name: NOVO OVATION O PAD RELEASE 01/7/2 Sampling Condition: Cool & Intact Sample Received By: Project Number: NVONM2301/001 Shalyn Rodriguez

Project Location: LOVING NM

# Sample ID: OPN - 5 3-3.5 (H230512-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.01	101	2.00	3.90	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	5.18	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.01	100	2.00	5.92	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.23	104	6.00	4.93	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	197	98.6	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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# Analytical Results For:

ALTAMIRA - US BRYAN HANEY 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Sampling Date: 02/05/2023

Reported: 02/07/2023 Sampling Type: Soil

Project Name: NOVO OVATION O PAD RELEASE 01/7/2 Sampling Condition: Cool & Intact
Project Number: NVONM2301/001 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: LOVING NM

# Sample ID: OPN - 6 3-3.5 (H230512-06)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.01	101	2.00	3.90	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	5.18	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.01	100	2.00	5.92	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.23	104	6.00	4.93	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	197	98.6	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	88.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.5	% 49.1-14	8						

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# Analytical Results For:

ALTAMIRA - US BRYAN HANEY 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Sampling Date: 02/05/2023

Reported: 02/07/2023 Sampling Type: Soil

Project Name: NOVO OVATION O PAD RELEASE 01/7/2 Sampling Condition: Cool & Intact
Project Number: NVONM2301/001 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: LOVING NM

# Sample ID: OPN - 7 3-3.5 (H230512-07)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.01	101	2.00	3.90	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	5.18	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.01	100	2.00	5.92	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.23	104	6.00	4.93	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	197	98.6	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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# Analytical Results For:

ALTAMIRA - US BRYAN HANEY 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Sampling Date: 02/05/2023

Reported: 02/07/2023 Sampling Type: Soil

Project Name: NOVO OVATION O PAD RELEASE 01/7/2 Sampling Condition: Cool & Intact
Project Number: NVONM2301/001 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: LOVING NM

# Sample ID: OPN - 8 3-3.5 (H230512-08)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.01	101	2.00	3.90	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	5.18	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.01	100	2.00	5.92	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.23	104	6.00	4.93	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	197	98.6	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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# Analytical Results For:

ALTAMIRA - US **BRYAN HANEY** 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Sampling Date: 02/05/2023

Reported: 02/07/2023 Sampling Type: Soil

Project Name: NOVO OVATION O PAD RELEASE 01/7/2 Sampling Condition: Cool & Intact Project Number: NVONM2301/001 Sample Received By: Shalyn Rodriguez

Project Location: LOVING NM

# Sample ID: OPN - 9 3-3.5 (H230512-09)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.01	101	2.00	3.90	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	5.18	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.01	100	2.00	5.92	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.23	104	6.00	4.93	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2023	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	02/06/2023	ND	197	98.6	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	02/06/2023	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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02/05/2023

Shalyn Rodriguez

## Analytical Results For:

ALTAMIRA - US **BRYAN HANEY** 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Reported:

02/07/2023 Sampling Type: Soil Sampling Condition: Cool & Intact

Sampling Date:

Sample Received By:

Project Name: NOVO OVATION O PAD RELEASE 01/7/2 Project Number: NVONM2301/001

Project Location: LOVING NM

Sample ID: OPN - 10 3-3.5 (H230512-10)

Analyte	mg,	mg/kg		Analyzed By: JH/					
	Result	Reporting Limit	Analyzed	Method Blank	BS % Recovery	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.01	101	2.00	3.90	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	5.18	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.01	100	2.00	5.92	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.23	104	6.00	4.93	
Total BTEX	< 0.300	0.300	02/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID	111 %	71.5-134
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Chloride, SM4500CI-B	mg,	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	197	98.6	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134 Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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## Analytical Results For:

ALTAMIRA - US BRYAN HANEY 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Reported: 02/07/2023

02/07/2023 Sai NOVO OVATION O PAD RELEASE 01/7/2 Sai

Project Name: NOVO OVATION (
Project Number: NVONM2301/001

Project Location: LOVING NM

Sampling Date: 02/05/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: OPN - 11 3-3.5 (H230512-11)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.01	101	2.00	3.90	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	5.18	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.01	100	2.00	5.92	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.23	104	6.00	4.93	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	196	97.9	200	1.56	
DRO >C10-C28*	59.3	10.0	02/07/2023	ND	197	98.6	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Analyzed By: 1H /

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## Analytical Results For:

ALTAMIRA - US BRYAN HANEY 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Sampling Date: 02/05/2023

Reported: 02/07/2023 Sampling Type: Soil

Project Name: NOVO OVATION O PAD RELEASE 01/7/2 Sampling Condition: Cool & Intact
Project Number: NVONM2301/001 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: LOVING NM

## Sample ID: OPN - 12 3-3.5 (H230512-12)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.01	101	2.00	3.90	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	5.18	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.01	100	2.00	5.92	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.23	104	6.00	4.93	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	196	97.9	200	1.56	
DRO >C10-C28*	17.4	10.0	02/07/2023	ND	197	98.6	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.1	% 49.1-14	8						

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Celey D. Keene



## Analytical Results For:

ALTAMIRA - US BRYAN HANEY 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Sampling Date: 02/05/2023

Reported: 02/07/2023 Sampling Type: Soil

Project Name: NOVO OVATION O PAD RELEASE 01/7/2 Sampling Condition: Cool & Intact
Project Number: NVONM2301/001 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: LOVING NM

mg/kg

## Sample ID: OPN - 13 3-3.5 (H230512-13)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.01	101	2.00	3.90	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	5.18	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.01	100	2.00	5.92	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.23	104	6.00	4.93	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	196	97.9	200	1.56	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	197	98.6	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	93.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keene



## Analytical Results For:

ALTAMIRA - US BRYAN HANEY 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Reported: 02/07/2023

NOVO OVATION O PAD RELEASE 01/7/2

Project Name: NOVO OVATION (
Project Number: NVONM2301/001

Project Location: LOVING NM

Sampling Date: 02/05/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: OPN - 14 3-3.5 (H230512-14)

RTFY 8021R

B1EX 8021B	mg/	кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.01	101	2.00	3.90	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	5.18	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.01	100	2.00	5.92	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.23	104	6.00	4.93	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/07/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	196	97.9	200	1.56	
DRO >C10-C28*	79.4	10.0	02/07/2023	ND	197	98.6	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	107 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

Applyzod By: 1H /

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Celey & Keene



## Analytical Results For:

ALTAMIRA - US BRYAN HANEY 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Sampling Date: 02/05/2023

Reported: 02/07/2023 Sampling Type: Soil

Project Name: NOVO OVATION O PAD RELEASE 01/7/2 Sampling Condition: Cool & Intact
Project Number: NVONM2301/001 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: LOVING NM

## Sample ID: OPN - 15 3-3.5 (H230512-15)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.01	101	2.00	3.90	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	5.18	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.01	100	2.00	5.92	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.23	104	6.00	4.93	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/07/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	206	103	200	0.479	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	211	105	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	91.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.3	% 49.1-14	8						

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## Analytical Results For:

ALTAMIRA - US BRYAN HANEY 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Sampling Date: 02/05/2023

Reported: 02/07/2023 Sampling Type: Soil

Project Name: NOVO OVATION O PAD RELEASE 01/7/2 Sampling Condition: Cool & Intact
Project Number: NVONM2301/001 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: LOVING NM

## Sample ID: OPN - 16 3-3.5 (H230512-16)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.01	101	2.00	3.90	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	5.18	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.01	100	2.00	5.92	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.23	104	6.00	4.93	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/07/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	206	103	200	0.479	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	211	105	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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## Analytical Results For:

ALTAMIRA - US BRYAN HANEY 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Sampling Date: 02/05/2023

Reported: 02/07/2023 Sampling Type: Soil

Project Name: NOVO OVATION O PAD RELEASE 01/7/2 Sampling Condition: Cool & Intact
Project Number: NVONM2301/001 Sample Received By: Shalyn Rodriguez

Project Location: LOVING NM

## Sample ID: OPN - 17 3-3.5 (H230512-17)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	2.01	101	2.00	3.90	
Toluene*	<0.050	0.050	02/06/2023	ND	2.06	103	2.00	5.18	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	2.01	100	2.00	5.92	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	6.23	104	6.00	4.93	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/07/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	206	103	200	0.479	
DRO >C10-C28*	96.7	10.0	02/07/2023	ND	211	105	200	1.03	
EXT DRO >C28-C36	10.6	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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02/05/2023

## Analytical Results For:

ALTAMIRA - US **BRYAN HANEY** 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Sampling Date:

Reported: 02/07/2023 Sampling Type: Soil

Project Name: NOVO OVATION O PAD RELEASE 01/7/2 Sampling Condition: Cool & Intact Project Number: NVONM2301/001 Sample Received By: Shalyn Rodriguez

Project Location: LOVING NM

## Sample ID: OPN - 18 3-3.5 (H230512-18)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	1.90	94.9	2.00	11.5	
Toluene*	<0.050	0.050	02/06/2023	ND	1.87	93.6	2.00	12.1	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	1.84	91.9	2.00	12.4	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	5.57	92.9	6.00	12.2	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/07/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	206	103	200	0.479	
DRO >C10-C28*	<10.0	10.0	02/07/2023	ND	211	105	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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## Analytical Results For:

ALTAMIRA - US BRYAN HANEY 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Reported: 02/07/2023 Sampling Date: 02/05/2023
Sampling Type: Soil

Project Name:

RTFY 8021R

NOVO OVATION O PAD RELEASE 01/7/2 Sampling Type: Sampling Type: Sampling Type: Sampling Condition: Samplin

Applyzod By: 14

Project Number: NVONM2301/001

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: LOVING NM

## Sample ID: OPN - 19 3-3.5 (H230512-19)

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	1.90	94.9	2.00	11.5	
Toluene*	<0.050	0.050	02/06/2023	ND	1.87	93.6	2.00	12.1	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	1.84	91.9	2.00	12.4	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	5.57	92.9	6.00	12.2	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	02/07/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	206	103	200	0.479	
DRO >C10-C28*	15.1	10.0	02/07/2023	ND	211	105	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keine



## Analytical Results For:

ALTAMIRA - US BRYAN HANEY 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Reported: 02/07/2023

NOVO OVATION O PAD RELEASE 01/7/2

Project Name: NOVO OVATION (
Project Number: NVONM2301/001

Project Location: LOVING NM

Sampling Date: 02/05/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: OPN - 20 3-3.5 (H230512-20)

RTFY 8021R

BIEX 8021B	mg	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	1.90	94.9	2.00	11.5	
Toluene*	<0.050	0.050	02/06/2023	ND	1.87	93.6	2.00	12.1	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	1.84	91.9	2.00	12.4	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	5.57	92.9	6.00	12.2	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/07/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2023	ND	206	103	200	0.479	
DRO >C10-C28*	12.3	10.0	02/07/2023	ND	211	105	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	02/07/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keine



02/05/2023

Shalyn Rodriguez

## Analytical Results For:

ALTAMIRA - US BRYAN HANEY 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/06/2023 Reported: 02/07/2023

02/07/2023 Sampling Type: Soil
NOVO OVATION O PAD RELEASE 01/7/2 Sampling Condition: Cool & Intact

Sampling Date:

Sample Received By:

Project Name: NOVO OVATION O PAD RELEASE 01/7/2
Project Number: NVONM2301/001

Project Location: LOVING NM

Sample ID: OPN - 21 3-3.5 (H230512-21)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2023	ND	1.90	94.9	2.00	11.5	
Toluene*	<0.050	0.050	02/06/2023	ND	1.87	93.6	2.00	12.1	
Ethylbenzene*	<0.050	0.050	02/06/2023	ND	1.84	91.9	2.00	12.4	
Total Xylenes*	<0.150	0.150	02/06/2023	ND	5.57	92.9	6.00	12.2	
Total BTEX	<0.300	0.300	02/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte  Chloride	Result	Reporting Limit 16.0	Analyzed 02/07/2023	Method Blank ND	BS 432	% Recovery	True Value QC 400	RPD 0.00	Qualifier
,		16.0	02/07/2023			,	-		Qualifier
Chloride	208	16.0	02/07/2023	ND		,	-		Qualifier Qualifier
Chloride TPH 8015M	208 mg/	16.0 ' <b>kg</b>	02/07/2023 Analyze	ND d By: MS	432	108	400	0.00	
Chloride TPH 8015M Analyte	208 mg/ Result	16.0 ( <b>kg</b> Reporting Limit	02/07/2023  Analyze  Analyzed	ND d By: MS  Method Blank	432 BS	108 % Recovery	400 True Value QC	0.00	

Analyzed By: JH

Surrogate: 1-Chlorooctane 96.2 % 48.2-134 Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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 and any other cause whistoever 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 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 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.

Celeg D. Freene



## **Notes and Definitions**

GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.

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

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 and any other cause whistoever 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 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 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. Keine

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



	(575) 393-2326 FAX (5/5) 393-24/6	4/6				١			
Company Name:	Altamira		BILL TO				AN	ANALYSIS REQUEST	ESI
Project Manager:	Bryan Haney		P.O. #: Direct Bill Novo	OVO					
Address: 14	14229 Punta Bonaire		company: Oil and Gas	O)					
city: Corpus	Corpus Christi State: Texaszip:	aszip: 78412	Attn:				_		
Phone #: 361-6	361-658-3126 Fax#:		Address:						
Project #: NACO	Aroject Owner:	er: Bryan Haney	City:						
Project Name:	Novo Ovation 6 Pad release	e 01/7/2023	State: Zip:						
Project Location:	Loving New Mexico	1,1	Phone #:			_	()		
Sampler Name: (	)rlando Gonzalez, Bryan	Haney Mark Masio	Fax #:			_			
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	ING					
Lab I.D.	Sample I.D.	G)RAB OR (C)OMP. CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE	OTHER: ACID/BASE: CE/COOL OTHER:	TIME	× m -l w	H P H	SEDZO		
tionoli	MP()-1 3-35	×		1202	×	×	×		
1)-	SPN- 2 3-3.5	C - ×	X 2/5/23	1284	×	×	×		
CU (	801-3 3-35	C -	× 25/23	1206	×	×	×		
4	OPN- 4 3-3.5	C - X	× 75/23	1208	×	×	×		
3	OPN-5 3-3.5	C	X 2/5/63	1210	×	×	×		
6	00N-6 3-3,5	C - ×	× 25/23	1212	×	×	×		
7	3-	C -	× 25k3	1214	×	×	×		
N	0PN-8 3-35	C	× 25/23	1216	×	×	×		
90	OPN-9 3-3.5	C /	× 25/23	8121	×	×	×		
10	DP11-10 3-3.5	C	X 2/5/23	1200	×	×	×	-	
PLEASE NOTE: Liability an analyses. All claims includin service in no event shall Ca	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim asking whether based in contract or tort, shall be limited to the arabant paid by the client for the applicable arabiyess. All claims including those for negligence and any other cause whatsoever is allo be deemed walved unless made in witing and received DC cardinal within 30 days after completion of the applicable arabiyess in no event shall Cardinal be liable for inclored any other causes whatsoever is allowed in including before the cardinal cardinal be liable for inclored by client, its subsidiaries, on no event shall Cardinal be liable for inclored and cardinal cardinal before the cardinal cardinal before the cardinal cardinal before the cardinal cardinal before the liable for inclored any other cardinal cardinal before the cardinal c	usive remedy for any claim arising whether based in contract or tort, hatsoever shall be deemed walved unless made in writing and recek damages, including without limitation, business interruptions, loss of	ct or tort, shall be limited to the ambunt paid ind received by Cardinal within 30 days after i, loss of use, or loss of profits incurred by ol	unt paid by the client for the ays after completion of the a ed by client, its subsidiaries,	applicable				
affiliates or successors arising Relinquished By:	ors arising out of or related to the performance of services nersunder by ed By:  Date:	Received By:		Verbal Result:	ult: [	I O	ON A	Add'l Phone #:	
1		3 Shading	ret	All Results are emailed.	are em		lease provide	Please provide citian address.	
Retionautished By	Date:	Received By:	C	REMARKS:	N	2	HE	741	
Delivered By: (Circle One)	On served Temp	Sample Condition	ition CHECKED BY:	Turnaround Time:	Time:	0.00	Standard	Bacteria (only) S	Bacteria (only) Sample Condition
		7	(Initials)	Thermometer ID	rID #113			☐ Yes ☐ Yes	Observed lemb.
Sampler - UPS - Bus - Other:	Corrected Temp.	No No	es o	Correction Factor 0.5°C	ector 1	-	0-600	□ No □ No	Corrected Temp. °C

## Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name:	Altamira	nira			BII	BILL TO					ANAL	ANALYSIS REQI	REQUEST	
Project Manager:	Bryan	lev			P.O. #: Dire	Direct Bill Novo	VO			-				
Address: 14	14229 Punta Bonaire	naire			company: Oil and Gas	and Gas								
city: Corpu	Corpus Christi	State: Texaszip:	SZip:	78412	Attn:									
Phone #: 361-	361-658-3126	Fax #:			Address:									
Project #: NA		Project Owner:		Bryan Haney	City:									
Project Name:		იზ Pad release	0	Mho23	State:	Zip:								
Project Location:	: Loving New Mexico	/ Mexico		7. 1.	Phone #:					)				
Sampler Name:	Sampler Name: Orlando Gonzalez	alez. Bryan Haney Mark Masio	W M		Fax #:					I (				
FOR LAB USE ONLY		- 1		MATRIX	PRESERV.	SAMPLING	NG			_ :				
Lab I.D.	Sample I.D.	le I.D.	RAB OR (C)OMP	DUNDWATER STEWATER L DDGE	HER : D/BASE: / COOL HER :		-	m H B	P H					
// CONTA	11-1100	3-5,5	1	G W X S	А × IC	2/5/23/	222	×	×	×	$\top$		+	
12	0PW-12	3-3,5'	C	×	×	215hz	1221	×	×	×				
[3]	OPN-13	3-3.5'	0	×	×	2BB31	226	×	×	×				
4	11- MAD	3-3.5'	C	×	×	25/231	822	×	×	×				
3	S1-140	5-3.5'	0	×	×	18/18/2	230	×	×	×				
16	OPN-16	3-3.5'	C	×	×	15/23	282	×	×	×				
17	0PN-17	3-3.5'	C	×	×	2/5/23	1234	×	×	×				
18	DDN-18	3-3.5'	0	×	×	215/23/	236	×	×	×				
19	OPV-19	3-3.5	C	×	×	715/B31	238	×	×	×			7	
70	OPN-20	0,-	C	×	×	25/231	240	×	×	×				
PLEASE NOTE: Liability and analyses. All claims includin service. In no event shall Ca affiliates or successors arisin	d Damages. Cardinal's liability g those for negligence and an ordinal be liable for incidental o	PLEASE NOTE: Lability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract critort, shall be limited to thig and unit paid by the client for the rankyses. All claims including those for negligence and any other cause whatsoever shall be deserved valved unless made in writing and received by Cardinal within 30 days after completion of the service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries or successors arising out of or related to the performance of services hereurder by Cardinal reparadless of whether such claim is based upon any of the above stated reasons or otherwise.	ny claim a seemed w without li	arising whether based in contract of waived unless made in writing and limitation, business interruptions, for regardless of whether such claim is	act or tort, shall be limited to and received by Cardinal with loss of use, or loss of profile in is based upon any of the	a limited to the amount paid by the client for the aradinal within 30 days after completion of the applicable loss of profits incurred by client, its subsidiaries, any of the above stated reasons or otherwise.	paid by the client for the after completion of the a y client, its subsidiaries reasons or otherwise.	e applicable s,						
Relinquished By:		Pate: 23 Time: 23	Rec	Received By:	2	/	Verbal Result:	ult: are em	· (0)	□ No Please pro	Add'l F vide Ema	□ No		
Refinquished by	Z	Date:	Rec	Received By:		70	REMARKS:	~ `	5	1 1	10	741		
Delivered By: (Circle One)  Sampler - UPS - Bus - Other:	rcle One) Bus - Other:	Observed Temp. °C	MI	Sample Condition Cool Intact Yes Yes	On CHECKED BY:		Turnaround Time: Thermometer ID #1	Time:		Standard Rush	_60	Baeteria (only) Sample Condition Cool Intact Observed Temp. ☐ Yes ☐ Yes	Sample Condition Observed Temp. °C	emp. °C
odilipiei - oro - I	Dus - Other.	d lemp.	1 . 1	Cal Dear D	1		let illouieret	10 #1	1	>	_	1 cs     cs		

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326	(575) 393-2326 FAX (575) 393-2476	SOUR A COUNTY OF THE PROPERTY						CIC BEOLIEST	IECT
Company Name: Altamira	nira	BILL TO	-	+	$\dagger$	1,	ANALISIS		-
Project Manager: Bryan Haney	ev	P.O. #: Direct Bill Novo	VO			_			
229	naire	Company: Oil and Gas	07						
city: Corpus Christi	State: Texaszip: 78412	Attn:							
1e #	Fax #:	Address:							
Project #: NYONW2204/00	Project Owner: Bryan Haney	City:							
Project Name: Novo Ovation	0	State: Zip:							
Project Location: Loving New Mexico	Mexico	Phone #:			0				
ĭ	alez. Bryan Haney Mark Masio	1			_	_			
FOR LABUSE ONLY	- 1	PRESERV. SAMPLING	ING		_	_			
FOR LAB USE ONLY	R				101				
Lab I.D. Sample I.D.	G)RAB OR (C)O CONTAINERS GROUNDWATER VASTEWATER GOIL GLUDGE	OTHER: ACID/BASE: CE/COOL OTHER:	TIME	X E T B	SEDR	0/11/0 2		-	
10000 NOV - 2	× ;	×	1240	×	×	×			
3	C ×	×		×	×	×			
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	C ×	×		×	×	>		-	
PLEASE NOTE: Liability and Damages. Cardinal's liability a analyses. All claims including those for negligence and any service. In no event shall Cardinal be liable for incidental or	nd client's exclusive remedy for any claim other cause whatsoever shall be deemed consequental damages, including without	arising whether based in contract or tort, shall be limited to the amount paid waited unless made in writing and received by Cardinal within 30 days after it waited unless made in writing and received by Cardinal within 30 days after it was so for see, to loss of profits incurred by cill limitation, business interruptions, loss of use, to loss of profits incurred by cill limitation, business interruptions, loss of use, to loss of profits incurred by cill limitation, business interruptions, loss of use, to loss of profits incurred by cill limitation, business interruptions, loss of use, to loss of profits incurred by cill limitation, business interruptions, loss of use, to loss of profits in the amount of th	by the client for the completion of the a lent, its subsidiaries isons or otherwise.	applicable					
Relinquished By:	Date: 22 Received By:		Verbal Result:	are ema	. (0	lease prov	vide Email addres	Please provide Email address:	
	Time 22 Stool	roser			1				
Relinquished By:	Date: Received By:		REMARKS:		24	1 #	~ 7	1	
	1	dition CHECKED BY:	Turnaround Time:	Time:	S	Standard		Bacteria (only)	Bacteria (only) Sample Condition
Delivered by: (Circle Circle		^	Thermometer ID #113	r ID #11		usii		☐Yes ☐ Yes	
Sampler - UPS - Bus - Other:	Corrected Temp. C 2-7	No SR	Correction Factor 0.5°C	ector-0.	5°6 '(	0.6	F	□ No □ No	Corrected Temp. °C



February 13, 2023

**BRYAN HANEY** 

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO OVATION O PAD RELEASE 01/7/2023

Enclosed are the results of analyses for samples received by the laboratory on 02/10/23 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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



## Analytical Results For:

ALTAMIRA - US BRYAN HANEY 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/10/2023 Sampling Date: 02/10/2023

Reported: 02/13/2023 Sampling Type: Soil

Project Name: NOVO OVATION O PAD RELEASE 01/7/2 Sampling Condition: Cool & Intact
Project Number: NVONM2301/001 Sample Received By: Tamara Oldaker

Project Location: LOVING NM

## Sample ID: OPN - 2 (4-4.5') (H230646-01)

TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	192	96.1	200	2.28	
DRO >C10-C28*	32.5	10.0	02/10/2023	ND	204	102	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					
Surrogate: 1-Chlorooctane	96.2 %	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 %	6 49.1-14	'8						

## Sample ID: OPN - 17 (4-4.5') (H230646-02)

TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	192	96.1	200	2.28	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	204	102	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					
Surrogate: 1-Chlorooctane	96.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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 and any other cause whistoever 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 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 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. Keine



## **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

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 and any other cause whistoever 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 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Relinquished By

Time:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

c

Sample Condition
Cool Intact
Yes Yes
No No

CHECKED BY: (Initials)

Turnaround Time:

Standard Rush SHMPS

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C

Yes Yes
No Corrected Temp. °C

REMARKS:

Thermometer ID #113 Correction Factor -0.5°C All Results are emailed. Please provide Email address:

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

CHILDRIN MAINE						ANALISIS DEGUCES
Company rames	Altamira		DILL 10		-	
Project Manager:	Bryan Haney		P.O. #: Direct Bill Novo			
Address: 142	14229 Punta Bonaire		Company: Oil and Gas			
city: Corpus Christi	Christi State: Texaszip:	s <b>z</b> ip: 78412	Attn:			
Phone #: 361-6	361-658-3126 Fax #:		Address:			
	NVONM220/1004 Project Owner:	r: Bryan Haney	City:			
Project Name:	Novo Ovation o Pad release	01-7-2023	State: Zip:			
Project Location:	Loving New Mexico		Phone #:		2	
ampler Name: O	Sampler Name: O.Gonzalez, J. Gonzalez, S. Waters	aters	Fax #:	_	I	
FOR LAR USE ONLY		MATRIX	PRESERV. SAMPLING		- :	
		RS TER		מ	<u> </u>	
Lab I.D.	Sample I.D.	(G)RAB OR (G)RAB OR (G)ROUNDW/WASTEWAT SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE	× m ⊣	SHO	
1	(34-45 (-(NOC)	×		*	× *	
7	(54-1)C1-10	с ×	X 2-10-203 1444	×	× *	
	4	о ×		×	×	
		С ×	×	×	×	
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		О ×	×	×	×	
			×	×	×	
			×	×	×	
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EASE NOTE: Liability and	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 place. The completion of the analysis of the client for	any claim arising whether based in contrac	et or tort, shall be limited to the amount paid by the client received by Cardinal within 30 days after completion	ent for the on of the applicable		
alyses. All claims including vice. In no event shall Gard	analyses. All claims including those not negligence and any other cause whatsever issuin be certified where unless since in wants on two reviews of the control of the cont	soever stall be detribed watered unless frade in what years nages, including without limitation, business interruptions, hereunder by Cardinal regardless of whether such claim	loss of use, or loss of profits incurred by client, its subsidiaring is based upon any of the above stated reasons or otherwise	bsidiaries, herwise.		
Relinquished By:	Date	Received By:	11/11/11	Verbal Result:	☐ Yes ☐ No	es □ No Add'I Phone #:



February 15, 2023

**BRYAN HANEY** 

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: OVATION O PAD HEATER TRATER RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 02/14/23 15:56.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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



## Analytical Results For:

ALTAMIRA - US BRYAN HANEY 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/14/2023 Reported: 02/15/2023

OVATION O PAD HEATER TRATER RELE/

Project Name: OVATION O PAD H Project Number: NVONM 2301/001

Project Location: LOVING, NEW MEXICO

Sampling Date: 02/14/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: EAST WALL - 1 0-3' (H230695-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2023	ND	2.05	102	2.00	0.935	
Toluene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	1.99	
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.06	103	2.00	2.45	
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.22	104	6.00	1.96	
Total BTEX	<0.300	0.300	02/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	02/15/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	198	99.1	200	3.32	
DRO >C10-C28*	<10.0	10.0	02/15/2023	ND	188	94.1	200	4.61	
EXT DRO >C28-C36	<10.0	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

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Cardinal Laboratories \*=Accredited Analyte

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Celey & Keene



## Analytical Results For:

ALTAMIRA - US **BRYAN HANEY** 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/14/2023 Reported: 02/15/2023

OVATION O PAD HEATER TRATER RELEA

Project Name: Project Number: NVONM 2301/001 Project Location: LOVING, NEW MEXICO Sampling Date: 02/14/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: NORTH WALL - 1 0-3' (H230695-02)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2023	ND	2.05	102	2.00	0.935	
Toluene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	1.99	
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.06	103	2.00	2.45	
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.22	104	6.00	1.96	
Total BTEX	<0.300	0.300	02/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	02/15/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	198	99.1	200	3.32	
DRO >C10-C28*	<10.0	10.0	02/15/2023	ND	188	94.1	200	4.61	
EXT DRO >C28-C36	<10.0	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	86.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.5	% 49.1-14	8						

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Celey D. Keene



## **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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Celey D. Keine

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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Company Name: (3/3) 333-2320	(010) 000 = 110	BILL TO	ANALYSIS REQUEST	上
Project Manager: River Henry	Vo.	P.O. #: Ninget Bil		_
129 E	a boncire	Company: NOVO Oil	CAD	
arpus (hrist.		Attn: (505		
#: 361-		Address:	)	_
Project #: NYONM 2301/061	Project Owner: Brun Huney	City:		
Project Name: () Which O Pad	-	State: Zip:	7 11	
	New Mexico	Phone #:		
0	from Teder	Fax #:	8	
CANNO	MATRIX	PRESERV. SAMPLING	12	
	Sample I.D.  S)RAB OR (C)OMP.  CONTAINERS  ROUNDWATER  JASTEWATER  OIL  IL  LUDGE	THER: CID/BASE: DE / COOL OTHER:	EX H SES	
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PLEASE NOTE: Liability and Damages. Cardinal's liabili analyses. All claims including those for negligence and	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatspower shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatspower shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatspower shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatspower shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatspower shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatspower shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses.	act or tort, shall be limited to the amount paid and received by Cardinal within 30 days after is, loss of use, or loss of profits incurred by of	by the client for the completion of the applicable ent, its subsidiaries,	
Relinquished By:	ors 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 of otherwords by:    Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwords by:    Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwords by:    Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwords by:    Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwords by:    Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwords by:    Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwords by:    Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwords by:    Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwords by:    Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwords by:    Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwords by:    Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwords by:    Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwords by:    Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwords by:    Cardinal, regardless of whether such claim is based upon any of the above stated reasons of otherwords by:    Cardinal, regardless of whether such claim is based upon any of the above stated reasons of the ab	aim is based upon any of the above stated rea	sons of otherwise.  Verbal Result: ☐ Yes ☐ No │Add'! Phone #:  All Results are emailed. Please provide Email address:	
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Sampler - IDS - Ciller	1		NO NO	



February 20, 2023

**BRYAN HANEY** 

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: OVATION O PAD HEATER TRATER RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 02/17/23 16:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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



## Analytical Results For:

ALTAMIRA - US BRYAN HANEY 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418 Fax To:

Received: 02/17/2023 Sampling Date: 02/17/2023

Reported: 02/20/2023 Sampling Type: Soil

Project Name: OVATION O PAD HEATER TRATER RELE! Sampling Condition: Cool & Intact
Project Number: NVONM 2301/001 Sample Received By: Tamara Oldaker

Project Location: LOVING, NEW MEXICO

Sample ID: OPN - EAST WALL - 2 ( 0-3' ) (H230766-01)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Reporting Limit Analyzed Method Blank BS % Recovery True Value OC RPD Oualifier Analyte Result 288 400 Chloride 16.0 02/20/2023 ND 100 400 7.69

Sample ID: OPN - NORTH WALL - 2 (0-3') (H230766-02)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 224 16.0 02/20/2023 ND 400 100 400 7.69

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Celey & Keene



## **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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Celey D. Keine

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

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- C.J. Dichipo	Corr	111	-	ľ	-		0	-	<			-		-							•		-	-	

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

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 200773

## **CONDITIONS**

Operator:	OGRID:
NOVO OIL & GAS NORTHERN DELAWARE, LLC	372920
1001 West Wilshire Blvd	Action Number:
Oklahoma City, OK 73116	200773
	Action Type:
	[C-141] Release Corrective Action (C-141)

## CONDITIONS

Created By	Condition	Condition Date
jharimor	None	8/15/2023