

Incident ID	nAPP2307966624
District RP	
Facility ID	
Application ID	199006

Closure

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

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Kurt A. Shipley Title: Chief Operating Officer
 Signature:  Date: 9-20-2023
 email: kshipley@novoog.com Telephone: 405-286-3916

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 28, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 03/28/23 9:30.

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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO GOONCH RELEASE
Project Number: NVONM2203/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
28-Apr-23 08:46

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G 1 24-27"	H231396-01	Soil	27-Mar-23 10:38	28-Mar-23 09:30
G 2 24-27"	H231396-02	Soil	27-Mar-23 10:40	28-Mar-23 09:30
G 3 24-27"	H231396-03	Soil	27-Mar-23 10:42	28-Mar-23 09:30
G 4 24-27"	H231396-04	Soil	27-Mar-23 10:44	28-Mar-23 09:30
G 5 24-27"	H231396-05	Soil	27-Mar-23 10:46	28-Mar-23 09:30
G 6 24-27"	H231396-06	Soil	27-Mar-23 10:48	28-Mar-23 09:30
G 7 24-27"	H231396-07	Soil	27-Mar-23 10:50	28-Mar-23 09:30
G 8 24-27"	H231396-08	Soil	27-Mar-23 10:52	28-Mar-23 09:30
G 9 24-27"	H231396-09	Soil	27-Mar-23 10:54	28-Mar-23 09:30
G 10 24-27"	H231396-10	Soil	27-Mar-23 10:56	28-Mar-23 09:30
G 11 24-27"	H231396-11	Soil	27-Mar-23 10:58	28-Mar-23 09:30
G 12 24-27"	H231396-12	Soil	27-Mar-23 11:00	28-Mar-23 09:30
G 13 24-27"	H231396-13	Soil	27-Mar-23 11:02	28-Mar-23 09:30
G 14 24-27"	H231396-14	Soil	27-Mar-23 11:04	28-Mar-23 09:30
G 15 24-27"	H231396-15	Soil	27-Mar-23 11:06	28-Mar-23 09:30
G 16 24-27"	H231396-16	Soil	27-Mar-23 11:08	28-Mar-23 09:30
G 17 24-27"	H231396-17	Soil	27-Mar-23 11:10	28-Mar-23 09:30
G 18 24-27"	H231396-18	Soil	27-Mar-23 11:12	28-Mar-23 09:30
G 19 24-27"	H231396-19	Soil	27-Mar-23 11:14	28-Mar-23 09:30
G 20 24-27"	H231396-20	Soil	27-Mar-23 11:16	28-Mar-23 09:30
G 21 24-27"	H231396-21	Soil	27-Mar-23 11:18	28-Mar-23 09:30
G 22 24-27"	H231396-22	Soil	27-Mar-23 11:20	28-Mar-23 09:30
G 23 24-27"	H231396-23	Soil	27-Mar-23 11:22	28-Mar-23 09:30
G 24 24-27"	H231396-24	Soil	27-Mar-23 11:24	28-Mar-23 09:30
SOUTHWALL - 1 0-2'	H231396-25	Soil	27-Mar-23 11:26	28-Mar-23 09:30
WESTWALL - 1 0-2'	H231396-26	Soil	27-Mar-23 11:28	28-Mar-23 09:30
WESTWALL - 2 0-2'	H231396-27	Soil	27-Mar-23 11:30	28-Mar-23 09:30

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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EASTWALL - 1 0-2'	H231396-28	Soil	27-Mar-23 11:32	28-Mar-23 09:30
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04/28/23 - Client requested sample ID changes to -26, -27 and -28 (see COC). This is the revised report and will replace the one sent on 03/29/23.

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*=Accredited Analyte

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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**G 1 24-27"
H231396-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	3920		16.0	mg/kg	4	3032829	AC	28-Mar-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.100		0.100	mg/kg	100	3032810	JH	28-Mar-23	8021B	GC-NC
Toluene*	2.80		0.100	mg/kg	100	3032810	JH	28-Mar-23	8021B	GC-NC1, QM-07, QR-03
Ethylbenzene*	1.83		0.100	mg/kg	100	3032810	JH	28-Mar-23	8021B	GC-NC1, QM-07, QR-03
Total Xylenes*	39.7		0.300	mg/kg	100	3032810	JH	28-Mar-23	8021B	GC-NC1, QM-07, QR-03
Total BTEX	44.3		0.600	mg/kg	100	3032810	JH	28-Mar-23	8021B	GC-NC1
Surrogate: 4-Bromofluorobenzene (PID)			146 %	71.5-134		3032810	JH	28-Mar-23	8021B	

Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	845		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	QM-07
DRO >C10-C28*	3830		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	QM-07
EXT DRO >C28-C36	170		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
Surrogate: 1-Chlorooctane			183 %	48.2-134		3032807	MS	28-Mar-23	8015B	
Surrogate: 1-Chlorooctadecane			163 %	49.1-148		3032807	MS	28-Mar-23	8015B	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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G 2 24-27"
H231396-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	5200		16.0	mg/kg	4	3032829	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Toluene*	0.955		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Ethylbenzene*	0.732		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total Xylenes*	16.7		0.150	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total BTEX	18.4		0.300	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			130 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	654		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	5380		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	289		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			194 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			219 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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G 3 24-27"
H231396-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	24800		16.0	mg/kg	4	3032829	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Toluene*	0.450		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Ethylbenzene*	0.314		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total Xylenes*	7.96		0.150	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total BTEX	8.73		0.300	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			122 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	223		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	3170		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	201		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			131 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			169 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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G 4 24-27"
H231396-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	42400		16.0	mg/kg	4	3032829	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.500		0.500	mg/kg	500	3032810	JH	28-Mar-23	8021B	
Toluene*	2.93		0.500	mg/kg	500	3032810	JH	28-Mar-23	8021B	GC-NC1
Ethylbenzene*	1.33		0.500	mg/kg	500	3032810	JH	28-Mar-23	8021B	GC-NC1
Total Xylenes*	39.1		1.50	mg/kg	500	3032810	JH	28-Mar-23	8021B	GC-NC1
Total BTEX	43.3		3.00	mg/kg	500	3032810	JH	28-Mar-23	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)			120 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

S-06

GRO C6-C10*	2250		100	mg/kg	10	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	15500		100	mg/kg	10	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	844		100	mg/kg	10	3032807	MS	28-Mar-23	8015B	

Surrogate: 1-Chlorooctane			309 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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Surrogate: 1-Chlorooctadecane			483 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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**G 5 24-27"
H231396-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	31600		16.0	mg/kg	4	3032829	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Toluene*	0.099		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Ethylbenzene*	0.059		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total Xylenes*	1.88		0.150	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total BTEX	2.03		0.300	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)			137 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	51.5		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	2520		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	198		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	

Surrogate: 1-Chlorooctane			95.5 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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Surrogate: 1-Chlorooctadecane			162 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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G 6 24-27"
H231396-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	24800		16.0	mg/kg	4	3032829	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Toluene*	0.172		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Ethylbenzene*	0.318		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total Xylenes*	10.3		0.150	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total BTEX	10.8		0.300	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)			182 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

S-06

GRO C6-C10*	754		100	mg/kg	10	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	15100		100	mg/kg	10	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	829		100	mg/kg	10	3032807	MS	28-Mar-23	8015B	

Surrogate: 1-Chlorooctane			271 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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Surrogate: 1-Chlorooctadecane			520 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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G 7 24-27"
H231396-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	28000		16.0	mg/kg	4	3032829	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.500		0.500	mg/kg	500	3032810	JH	28-Mar-23	8021B	
Toluene*	0.565		0.500	mg/kg	500	3032810	JH	28-Mar-23	8021B	GC-NC1
Ethylbenzene*	0.733		0.500	mg/kg	500	3032810	JH	28-Mar-23	8021B	GC-NC1
Total Xylenes*	27.4		1.50	mg/kg	500	3032810	JH	28-Mar-23	8021B	GC-NC1
Total BTEX	28.7		3.00	mg/kg	500	3032810	JH	28-Mar-23	8021B	GC-NC1

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			133 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

S-06

GRO C6-C10*	2220		100	mg/kg	10	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	29900		100	mg/kg	10	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	1630		100	mg/kg	10	3032807	MS	28-Mar-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			398 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			843 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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G 8 24-27"
H231396-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	36000		16.0	mg/kg	4	3032829	AC	28-Mar-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Ethylbenzene*	0.052		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total Xylenes*	2.00		0.150	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total BTEX	2.06		0.300	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)			155 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	92.9		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	3520		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	235		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	

Surrogate: 1-Chlorooctane			105 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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Surrogate: 1-Chlorooctadecane			171 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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G 9 24-27"
H231396-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	20800		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-CI-B	QM-07
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Toluene*	0.055		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Ethylbenzene*	0.056		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total Xylenes*	2.20		0.150	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total BTEX	2.32		0.300	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)			175 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

S-06

GRO C6-C10*	289		100	mg/kg	10	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	17400		100	mg/kg	10	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	1210		100	mg/kg	10	3032807	MS	28-Mar-23	8015B	

Surrogate: 1-Chlorooctane			200 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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Surrogate: 1-Chlorooctadecane			655 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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G 10 24-27"
H231396-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	10000		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Toluene*	0.503		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Ethylbenzene*	0.540		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total Xylenes*	10.6		0.150	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total BTEX	11.6		0.300	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)			154 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	345		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	3280		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	196		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	

Surrogate: 1-Chlorooctane			125 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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Surrogate: 1-Chlorooctadecane			153 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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**G 11 24-27"
H231396-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	7400		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Toluene*	0.195		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Ethylbenzene*	0.178		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total Xylenes*	5.01		0.150	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total BTEX	5.39		0.300	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			127 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	131		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	2900		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	177		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			112 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			161 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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**G 12 24-27"
H231396-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	26000		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC
Toluene*	0.907		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Ethylbenzene*	0.424		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total Xylenes*	11.1		0.150	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total BTEX	12.4		0.300	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)			131 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	402		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	4690		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	276		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	

Surrogate: 1-Chlorooctane			152 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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Surrogate: 1-Chlorooctadecane			210 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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**G 13 24-27"
H231396-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	34800		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Toluene*	0.397		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Ethylbenzene*	0.385		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total Xylenes*	7.81		0.150	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total BTEX	8.59		0.300	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			145 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

S-06

GRO C6-C10*	374		50.0	mg/kg	5	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	2970		50.0	mg/kg	5	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	158		50.0	mg/kg	5	3032807	MS	28-Mar-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			148 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			164 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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G 14 24-27"
H231396-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	17600		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Total Xylenes*	1.11		0.150	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total BTEX	1.11		0.300	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			128 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	33.9		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	1030		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	61.8		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.5 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			120 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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G 15 24-27"
H231396-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	4560		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Total Xylenes*	0.466		0.150	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total BTEX	0.466		0.300	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			119 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	39.8		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	4780		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	319		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			111 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			231 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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**G 16 24-27"
H231396-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	320		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3032810	JH	28-Mar-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	14.2		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	11.0		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.9 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			92.0 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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**G 17 24-27"
H231396-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	480		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3032810	JH	28-Mar-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			116 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	30.3		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.7 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.0 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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**G 18 24-27"
H231396-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	912		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3032810	JH	28-Mar-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			110 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	61.6		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			88.9 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			91.6 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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**G 19 24-27"
H231396-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	320		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3032810	JH	28-Mar-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			118 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	79.4		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			110 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			115 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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**G 20 24-27"
H231396-20 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1300		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	
Toluene*	0.085		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Ethylbenzene*	0.050		0.050	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total Xylenes*	1.10		0.150	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1
Total BTEX	1.24		0.300	mg/kg	50	3032810	JH	28-Mar-23	8021B	GC-NC1

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			127 %	71.5-134		3032810	JH	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	30.7		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
DRO >C10-C28*	505		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	23.6		10.0	mg/kg	1	3032807	MS	28-Mar-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.8 %	48.2-134		3032807	MS	28-Mar-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			108 %	49.1-148		3032807	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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**G 21 24-27"
H231396-21 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	9600		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.050		0.050	mg/kg	50	3032811	JH/	28-Mar-23	8021B	
Toluene*	0.277		0.050	mg/kg	50	3032811	JH/	28-Mar-23	8021B	GC-NC1
Ethylbenzene*	0.122		0.050	mg/kg	50	3032811	JH/	28-Mar-23	8021B	GC-NC1
Total Xylenes*	3.46		0.150	mg/kg	50	3032811	JH/	28-Mar-23	8021B	GC-NC1
Total BTEX	3.86		0.300	mg/kg	50	3032811	JH/	28-Mar-23	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)			174 %	71.5-134		3032811	JH/	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	96.3		10.0	mg/kg	1	3032818	MS	28-Mar-23	8015B	
DRO >C10-C28*	665		10.0	mg/kg	1	3032818	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	34.9		10.0	mg/kg	1	3032818	MS	28-Mar-23	8015B	

Surrogate: 1-Chlorooctane			107 %	48.2-134		3032818	MS	28-Mar-23	8015B	
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Surrogate: 1-Chlorooctadecane			105 %	49.1-148		3032818	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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**G 22 24-27"
H231396-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1520		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.200		0.200	mg/kg	200	3032811	JH/	28-Mar-23	8021B	
Toluene*	1.69		0.200	mg/kg	200	3032811	JH/	28-Mar-23	8021B	GC-NC1
Ethylbenzene*	1.48		0.200	mg/kg	200	3032811	JH/	28-Mar-23	8021B	GC-NC1
Total Xylenes*	41.8		0.600	mg/kg	200	3032811	JH/	28-Mar-23	8021B	GC-NC1
Total BTEX	45.0		1.20	mg/kg	200	3032811	JH/	28-Mar-23	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)			218 %	71.5-134		3032811	JH/	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

S-06

GRO C6-C10*	2120		50.0	mg/kg	5	3032818	MS	28-Mar-23	8015B	
DRO >C10-C28*	9630		50.0	mg/kg	5	3032818	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	430		50.0	mg/kg	5	3032818	MS	28-Mar-23	8015B	

Surrogate: 1-Chlorooctane			310 %	48.2-134		3032818	MS	28-Mar-23	8015B	
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Surrogate: 1-Chlorooctadecane			161 %	49.1-148		3032818	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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**G 23 24-27"
H231396-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	3000		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3032811	JH/	28-Mar-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3032811	JH/	28-Mar-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3032811	JH/	28-Mar-23	8021B	
Total Xylenes*	0.180		0.150	mg/kg	50	3032811	JH/	28-Mar-23	8021B	GC-NC1
Total BTEX	<0.300		0.300	mg/kg	50	3032811	JH/	28-Mar-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			116 %	71.5-134		3032811	JH/	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3032818	MS	28-Mar-23	8015B	
DRO >C10-C28*	129		10.0	mg/kg	1	3032818	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3032818	MS	28-Mar-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.2 %	48.2-134		3032818	MS	28-Mar-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.8 %	49.1-148		3032818	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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**G 24 24-27"
H231396-24 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1120		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3032811	JH/	28-Mar-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3032811	JH/	28-Mar-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3032811	JH/	28-Mar-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3032811	JH/	28-Mar-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3032811	JH/	28-Mar-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			115 %	71.5-134		3032811	JH/	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	11.8		10.0	mg/kg	1	3032818	MS	28-Mar-23	8015B	
DRO >C10-C28*	315		10.0	mg/kg	1	3032818	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	15.3		10.0	mg/kg	1	3032818	MS	28-Mar-23	8015B	

Surrogate: 1-Chlorooctane			81.5 %	48.2-134		3032818	MS	28-Mar-23	8015B	
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Surrogate: 1-Chlorooctadecane			92.2 %	49.1-148		3032818	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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**SOUTHWALL - 1 0-2'
H231396-25 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	608		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.200		0.200	mg/kg	200	3032811	JH/	28-Mar-23	8021B	
Toluene*	1.40		0.200	mg/kg	200	3032811	JH/	28-Mar-23	8021B	GC-NC1
Ethylbenzene*	1.61		0.200	mg/kg	200	3032811	JH/	28-Mar-23	8021B	GC-NC1
Total Xylenes*	34.3		0.600	mg/kg	200	3032811	JH/	28-Mar-23	8021B	GC-NC1
Total BTEX	37.3		1.20	mg/kg	200	3032811	JH/	28-Mar-23	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)			208 %	71.5-134		3032811	JH/	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

S-06

GRO C6-C10*	1440		50.0	mg/kg	5	3032818	MS	28-Mar-23	8015B	
DRO >C10-C28*	5440		50.0	mg/kg	5	3032818	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	225		50.0	mg/kg	5	3032818	MS	28-Mar-23	8015B	

Surrogate: 1-Chlorooctane			179 %	48.2-134		3032818	MS	28-Mar-23	8015B	
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Surrogate: 1-Chlorooctadecane			131 %	49.1-148		3032818	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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**WESTWALL - 1 0-2'
H231396-26 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	21200		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.050		0.050	mg/kg	50	3032811	JH	29-Mar-23	8021B	
Toluene*	0.175		0.050	mg/kg	50	3032811	JH	29-Mar-23	8021B	GC-NC1
Ethylbenzene*	0.367		0.050	mg/kg	50	3032811	JH	29-Mar-23	8021B	GC-NC1
Total Xylenes*	7.68		0.150	mg/kg	50	3032811	JH	29-Mar-23	8021B	GC-NC1
Total BTEX	8.22		0.300	mg/kg	50	3032811	JH	29-Mar-23	8021B	GC-NC1
Surrogate: 4-Bromofluorobenzene (PID)			327 %	71.5-134		3032811	JH	29-Mar-23	8021B	

Petroleum Hydrocarbons by GC FID

S-06

GRO C6-C10*	1230		50.0	mg/kg	5	3032818	MS	28-Mar-23	8015B	
DRO >C10-C28*	18000		50.0	mg/kg	5	3032818	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	1030		50.0	mg/kg	5	3032818	MS	28-Mar-23	8015B	
Surrogate: 1-Chlorooctane			286 %	48.2-134		3032818	MS	28-Mar-23	8015B	
Surrogate: 1-Chlorooctadecane			273 %	49.1-148		3032818	MS	28-Mar-23	8015B	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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**WESTWALL - 2 0-2'
H231396-27 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16800		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.050		0.050	mg/kg	50	3032811	JH	29-Mar-23	8021B	
Toluene*	0.065		0.050	mg/kg	50	3032811	JH	29-Mar-23	8021B	GC-NC1
Ethylbenzene*	0.099		0.050	mg/kg	50	3032811	JH	29-Mar-23	8021B	GC-NC1
Total Xylenes*	2.25		0.150	mg/kg	50	3032811	JH	29-Mar-23	8021B	GC-NC1
Total BTEX	2.41		0.300	mg/kg	50	3032811	JH	29-Mar-23	8021B	GC-NC1
Surrogate: 4-Bromofluorobenzene (PID)			170 %	71.5-134		3032811	JH	29-Mar-23	8021B	

Petroleum Hydrocarbons by GC FID

S-06

GRO C6-C10*	548		50.0	mg/kg	5	3032818	MS	28-Mar-23	8015B	
DRO >C10-C28*	29600		50.0	mg/kg	5	3032818	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	1900		50.0	mg/kg	5	3032818	MS	28-Mar-23	8015B	
Surrogate: 1-Chlorooctane			244 %	48.2-134		3032818	MS	28-Mar-23	8015B	
Surrogate: 1-Chlorooctadecane			500 %	49.1-148		3032818	MS	28-Mar-23	8015B	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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**EASTWALL - 1 0-2'
H231396-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	608		16.0	mg/kg	4	3032830	AC	28-Mar-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3032811	JH/	28-Mar-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3032811	JH/	28-Mar-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3032811	JH/	28-Mar-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3032811	JH/	28-Mar-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3032811	JH/	28-Mar-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.6 %		71.5-134	3032811	JH/	28-Mar-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3032818	MS	28-Mar-23	8015B	
DRO >C10-C28*	48.2		10.0	mg/kg	1	3032818	MS	28-Mar-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3032818	MS	28-Mar-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			63.6 %		48.2-134	3032818	MS	28-Mar-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			67.7 %		49.1-148	3032818	MS	28-Mar-23	8015B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3032829 - 1:4 DI Water

Blank (3032829-BLK1)				Prepared & Analyzed: 28-Mar-23						
Chloride	ND	16.0	mg/kg							
LCS (3032829-BS1)				Prepared & Analyzed: 28-Mar-23						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3032829-BSD1)				Prepared & Analyzed: 28-Mar-23						
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

Batch 3032830 - 1:4 DI Water

Blank (3032830-BLK1)				Prepared & Analyzed: 28-Mar-23						
Chloride	ND	16.0	mg/kg							
LCS (3032830-BS1)				Prepared & Analyzed: 28-Mar-23						
Chloride	448	16.0	mg/kg	400		112	80-120			
LCS Dup (3032830-BSD1)				Prepared & Analyzed: 28-Mar-23						
Chloride	432	16.0	mg/kg	400		108	80-120	3.64	20	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO GOONCH RELEASE
Project Number: NVONM2203/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
28-Apr-23 08:46

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3032810 - Volatiles**Blank (3032810-BLK1)**

Prepared & Analyzed: 28-Mar-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		97.0	71.5-134			

LCS (3032810-BS1)

Prepared & Analyzed: 28-Mar-23

Benzene	1.88	0.050	mg/kg	2.00		94.1	81.4-118			
Toluene	1.90	0.050	mg/kg	2.00		94.9	88.7-121			
Ethylbenzene	1.94	0.050	mg/kg	2.00		97.1	86.1-120			
m,p-Xylene	3.88	0.100	mg/kg	4.00		97.1	88.2-124			
o-Xylene	1.95	0.050	mg/kg	2.00		97.3	84.9-118			
Total Xylenes	5.83	0.150	mg/kg	6.00		97.2	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0504		mg/kg	0.0500		101	71.5-134			

LCS Dup (3032810-BSD1)

Prepared & Analyzed: 28-Mar-23

Benzene	1.96	0.050	mg/kg	2.00		97.8	81.4-118	3.85	15.8	
Toluene	1.95	0.050	mg/kg	2.00		97.7	88.7-121	2.82	15.9	
Ethylbenzene	1.95	0.050	mg/kg	2.00		97.5	86.1-120	0.356	16	
m,p-Xylene	3.86	0.100	mg/kg	4.00		96.5	88.2-124	0.655	16.2	
o-Xylene	1.93	0.050	mg/kg	2.00		96.6	84.9-118	0.699	16.7	
Total Xylenes	5.79	0.150	mg/kg	6.00		96.5	87.3-122	0.670	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0483		mg/kg	0.0500		96.6	71.5-134			

Batch 3032811 - Volatiles**Blank (3032811-BLK1)**

Prepared & Analyzed: 28-Mar-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO GOONCH RELEASE
Project Number: NVONM2203/001
Project Manager: BRYAN HANEY
Fax To:

Reported:
28-Apr-23 08:46

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

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

Batch 3032811 - Volatiles**Blank (3032811-BLK1)**

Prepared & Analyzed: 28-Mar-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0545		mg/kg	0.0500		109	71.5-134			

LCS (3032811-BS1)

Prepared & Analyzed: 28-Mar-23

Benzene	2.03	0.050	mg/kg	2.00		101	81.4-118			
Toluene	2.08	0.050	mg/kg	2.00		104	88.7-121			
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	86.1-120			
m,p-Xylene	4.34	0.100	mg/kg	4.00		108	88.2-124			
o-Xylene	2.08	0.050	mg/kg	2.00		104	84.9-118			
Total Xylenes	6.42	0.150	mg/kg	6.00		107	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0525		mg/kg	0.0500		105	71.5-134			

LCS Dup (3032811-BSD1)

Prepared & Analyzed: 28-Mar-23

Benzene	2.20	0.050	mg/kg	2.00		110	81.4-118	8.03	15.8	
Toluene	2.27	0.050	mg/kg	2.00		114	88.7-121	8.98	15.9	
Ethylbenzene	2.23	0.050	mg/kg	2.00		111	86.1-120	7.93	16	
m,p-Xylene	4.72	0.100	mg/kg	4.00		118	88.2-124	8.37	16.2	
o-Xylene	2.22	0.050	mg/kg	2.00		111	84.9-118	6.78	16.7	
Total Xylenes	6.94	0.150	mg/kg	6.00		116	87.3-122	7.86	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0527		mg/kg	0.0500		105	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3032807 - General Prep - Organics

Blank (3032807-BLK1)		Prepared & Analyzed: 28-Mar-23								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	48.7		mg/kg	50.0		97.4	48.2-134			
Surrogate: 1-Chlorooctadecane	50.2		mg/kg	50.0		100	49.1-148			

LCS (3032807-BS1)		Prepared & Analyzed: 28-Mar-23								
GRO C6-C10	200	10.0	mg/kg	200		100	78.5-124			
DRO >C10-C28	200	10.0	mg/kg	200		100	72.5-126			
Total TPH C6-C28	400	10.0	mg/kg	400		100	77.6-123			
Surrogate: 1-Chlorooctane	55.0		mg/kg	50.0		110	48.2-134			
Surrogate: 1-Chlorooctadecane	57.8		mg/kg	50.0		116	49.1-148			

LCS Dup (3032807-BSD1)		Prepared & Analyzed: 28-Mar-23								
GRO C6-C10	198	10.0	mg/kg	200		99.0	78.5-124	1.28	17.7	
DRO >C10-C28	195	10.0	mg/kg	200		97.3	72.5-126	2.69	21	
Total TPH C6-C28	393	10.0	mg/kg	400		98.2	77.6-123	1.99	18.5	
Surrogate: 1-Chlorooctane	52.9		mg/kg	50.0		106	48.2-134			
Surrogate: 1-Chlorooctadecane	55.2		mg/kg	50.0		110	49.1-148			

Batch 3032818 - General Prep - Organics

Blank (3032818-BLK1)		Prepared & Analyzed: 28-Mar-23								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	40.9		mg/kg	50.0		81.9	48.2-134			
Surrogate: 1-Chlorooctadecane	45.5		mg/kg	50.0		91.0	49.1-148			

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2203/001 Project Manager: BRYAN HANEY Fax To:	Reported: 28-Apr-23 08:46
--	--	------------------------------

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

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

Batch 3032818 - General Prep - Organics

LCS (3032818-BS1)

Prepared & Analyzed: 28-Mar-23

GRO C6-C10	192	10.0	mg/kg	200		95.9	78.5-124			
DRO >C10-C28	181	10.0	mg/kg	200		90.6	72.5-126			
Total TPH C6-C28	373	10.0	mg/kg	400		93.2	77.6-123			
Surrogate: 1-Chlorooctane	42.1		mg/kg	50.0		84.1	48.2-134			
Surrogate: 1-Chlorooctadecane	42.4		mg/kg	50.0		84.9	49.1-148			

LCS Dup (3032818-BSD1)

Prepared & Analyzed: 28-Mar-23

GRO C6-C10	195	10.0	mg/kg	200		97.4	78.5-124	1.46	17.7	
DRO >C10-C28	182	10.0	mg/kg	200		91.2	72.5-126	0.764	21	
Total TPH C6-C28	377	10.0	mg/kg	400		94.3	77.6-123	1.12	18.5	
Surrogate: 1-Chlorooctane	41.8		mg/kg	50.0		83.6	48.2-134			
Surrogate: 1-Chlorooctadecane	41.9		mg/kg	50.0		83.8	49.1-148			

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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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

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Celest D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Altamira

Project Manager: Bryan Haney

Address: 14229 Punta Bonaire

City: Corpus Christi State: Texas Zip: 78412

Phone #: 361-658-3126 Fax #: _____

Project #: NVONNM2203/001 Project Owner: Bryan Haney

Project Name: Novo Goonch Release

Project Location: Loving New Mexico

Sampler Name: J. Gonzalez

FOR LAB USE ONLY

P.O. #: Direct Bill Novo

Company: Oil and Gas

Address: _____

City: _____ State: _____ Zip: _____

Phone #: _____ Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	BTEX	TPH	CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
<u>AD31396</u>																
	<u>5-1</u>	<u>24-27"</u>	<u>0</u>	<u>X</u>							<u>3-21-23</u>	<u>1038</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>2</u>	<u>5-2</u>	<u>24-27"</u>	<u>0</u>	<u>X</u>						<u>3-21-23</u>	<u>1040</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>3</u>	<u>5-3</u>	<u>24-27"</u>	<u>0</u>	<u>X</u>						<u>3-21-23</u>	<u>1042</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>4</u>	<u>5-4</u>	<u>24-27"</u>	<u>0</u>	<u>X</u>						<u>3-21-23</u>	<u>1044</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>5</u>	<u>5-5</u>	<u>24-27"</u>	<u>0</u>	<u>X</u>						<u>3-21-23</u>	<u>1046</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>6</u>	<u>5-6</u>	<u>24-27"</u>	<u>0</u>	<u>X</u>						<u>3-21-23</u>	<u>1048</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>7</u>	<u>5-7</u>	<u>24-27"</u>	<u>0</u>	<u>X</u>						<u>3-21-23</u>	<u>1050</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>8</u>	<u>5-8</u>	<u>24-27"</u>	<u>0</u>	<u>X</u>						<u>3-21-23</u>	<u>1052</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>9</u>	<u>5-9</u>	<u>24-27"</u>	<u>0</u>	<u>X</u>						<u>3-21-23</u>	<u>1054</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>10</u>	<u>5-10</u>	<u>24-27"</u>	<u>0</u>	<u>X</u>						<u>3-21-23</u>	<u>1056</u>	<u>X</u>	<u>X</u>	<u>X</u>	

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Relinquished By: _____

Date: 3-28-23

Received By: _____

Date: 0930

Delivered By: (Circle One) Observed 3.8 Sample Condition Intact Yes

Sampler - UPS - Bus - Other: Corrected Temp. 3.2 Yes No

Checked By: _____ (Initials) JP

Turnaround Time: _____ Standard Rush Yes No

Bacteria (only) Sample Condition Observed Temp. °C Corrected Temp. °C

Thermometer ID #113 Yes No

Correction Factor -0.5°C Yes No

REMARKS: DPN - Haney @ cthm.ilc - US.COM

24 HF TAT

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

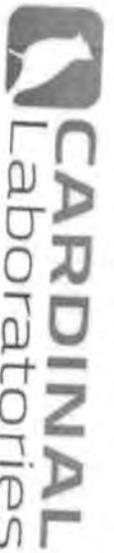
Company Name: Altamira
 Project Manager: Bryan Haney
 Address: 14229 Punta Bonaire
 City: Corpus Christi State: Texas Zip: 78412
 Phone #: 361-658-3126 Fax #: NVONNM2203/001
 Project #: NVONNM2203/001 Project Owner: Bryan Haney
 Project Name: Novo Goonch Release
 Project Location: Loving New Mexico
 Sampler Name: J. Gonzalez
 P.O. #: Direct Bill Novo
 Company: Oil and Gas
 Attn:
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	BTEX	TPH	CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
H53139L																
11	G-11	C	1	X							3-27-23	1058	X	X	X	
12	G-12	C	1	X							3-27-23	1100	X	X	X	
13	G-13	C	1	X							3-27-23	1102	X	X	X	
14	G-14	C	1	X							3-27-23	1104	X	X	X	
15	G-15	C	1	X							3-27-23	1106	X	X	X	
16	G-16	C	1	X							3-27-23	1108	X	X	X	
17	G-17	C	1	X							3-27-23	1110	X	X	X	
18	G-18	C	1	X							3-27-23	1112	X	X	X	
19	G-19	C	1	X							3-27-23	1114	X	X	X	
20	G-20	C	1	X							3-27-23	1116	X	X	X	

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Relinquished By: [Signature]
 Date: 3-28-23
 Received By: [Signature]
 Date: 3-28-23
 Turnaround Time: Standard Rush Add'l Phone #:
 Verbal Result: Yes No All Results are emailed. Please provide Email address:
 REMARKS: Bryan Haney @ altamira-us.com
 24 Hr TAT

Delivered By: (Circle One) UPS - Bus - Other: UPS
 Observed Temp. °C: 3.8
 Corrected Temp. °C: 3.2
 Sample Condition: Cool Intact Yes No
 Checked By: [Signature]
 Turnaround Time: Standard Rush Add'l Phone #:
 Verbal Result: Yes No All Results are emailed. Please provide Email address:
 REMARKS: Bryan Haney @ altamira-us.com
 24 Hr TAT



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Altamira
Project Manager: Bryan Haney
Address: 14229 Punta Bonaire
City: Corpus Christi **State:** Texas **Zip:** 78412
Phone #: 361-658-3126 **Fax #:** [blank]
Project #: NVONM2203/001 **Project Owner:** Bryan Haney
Project Name: Novo Goonch Release
Project Location: Loving New Mexico
Sampler Name: J. Gonzalez
FOR LAB USE ONLY: [blank]
Matrix: [blank]
Preserv: [blank]
Sampling: [blank]

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	B	T	E	H	C	H	L	O	R	I	D	E	S
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:															
H231396	21	24-24"	1							3-27-23	1118	X	X	X	X	X	X	X	X	X	X	X	X	X
	22	24-27"	1							3-27-23	1120	X	X	X	X	X	X	X	X	X	X	X	X	X
	23	24-27"	1							3-27-23	1122	X	X	X	X	X	X	X	X	X	X	X	X	X
	24	24-27"	1							3-27-23	1124	X	X	X	X	X	X	X	X	X	X	X	X	X
	25	Southwell-1	1							3-27-23	1126	X	X	X	X	X	X	X	X	X	X	X	X	X
	26	Eastwell-1	1							3-27-23	1128	X	X	X	X	X	X	X	X	X	X	X	X	X
	27	Eastwell-2	1							3-27-23	1130	X	X	X	X	X	X	X	X	X	X	X	X	X
	28	Eastwell-1	1							3-27-23	1132	X	X	X	X	X	X	X	X	X	X	X	X	X

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Relinquished By: [Signature]
Date: 3-28-23
Received By: [Signature]
Date: 0930
Time: [blank]
Delivered By: (Circle One) UPS - Bus - Other: [blank]
Observed Temp. °C: 3.8
Corrected Temp. °C: 3.2
Sample Condition: Cool Intact [checked] Yes [] No []
Checked By: [Signature]
Remarks: * Customer requested ID changes to 4/28/23
Thermometer ID #113
Corrosion Factor -0.5°C
Verbal Result: [] Yes [] No [] Add'l Phone #:
All Results are emailed. Please provide Email address: Bryan.haney@altamira-us.com
Customer's Requested ID changes to 4/28/23



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 03, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/02/23 16:40.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 1 48-51" (H232157-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	05/03/2023	ND	432	108	400	3.77	
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	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					
Surrogate: 1-Chlorooctane	90.7 %	48.2-134							
Surrogate: 1-Chlorooctadecane	85.0 %	49.1-148							

Sample ID: G 2 48-51" (H232157-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	05/03/2023	ND	432	108	400	3.77	
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	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	828	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	44.0	10.0	05/02/2023	ND					
Surrogate: 1-Chlorooctane	90.4 %	48.2-134							
Surrogate: 1-Chlorooctadecane	88.3 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 3 48-51" (H232157-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5520	16.0	05/03/2023	ND	432	108	400	3.77	
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	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	967	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	34.8	10.0	05/02/2023	ND					
Surrogate: 1-Chlorooctane	101 %	48.2-134							
Surrogate: 1-Chlorooctadecane	117 %	49.1-148							

Sample ID: G 4 48-51" (H232157-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19000	16.0	05/03/2023	ND	432	108	400	3.77	
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	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	304	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	26.9	10.0	05/02/2023	ND					
Surrogate: 1-Chlorooctane	85.3 %	48.2-134							
Surrogate: 1-Chlorooctadecane	88.6 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 5 48-51" (H232157-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12800	16.0	05/03/2023	ND	432	108	400	3.77	
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	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	282	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					
Surrogate: 1-Chlorooctane	90.3 %	48.2-134							
Surrogate: 1-Chlorooctadecane	92.9 %	49.1-148							

Sample ID: G 6 48-51" (H232157-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15000	16.0	05/03/2023	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.8	10.0	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	1090	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	66.3	10.0	05/02/2023	ND					
Surrogate: 1-Chlorooctane	91.8 %	48.2-134							
Surrogate: 1-Chlorooctadecane	109 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 7 48-51" (H232157-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	05/03/2023	ND	432	108	400	3.77	
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	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	109	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>	<i>78.1 %</i>	<i>48.2-134</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>70.7 %</i>	<i>49.1-148</i>							

Sample ID: G 8 48-51" (H232157-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	05/03/2023	ND	432	108	400	3.77	
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	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	142	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>	<i>99.2 %</i>	<i>48.2-134</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>97.2 %</i>	<i>49.1-148</i>							

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 9 48-51" (H232157-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	05/03/2023	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12.5	10.0	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	1900	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	119	10.0	05/02/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>	88.8 %	48.2-134							
<i>Surrogate: 1-Chlorooctadecane</i>	89.1 %	49.1-148							

Sample ID: G 10 48-51" (H232157-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6240	16.0	05/03/2023	ND	432	108	400	3.77	
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	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	242	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	30.7	10.0	05/02/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>	108 %	48.2-134							
<i>Surrogate: 1-Chlorooctadecane</i>	112 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 11 48-51" (H232157-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	05/03/2023	ND	432	108	400	3.77	
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	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	222	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					
Surrogate: 1-Chlorooctane	104 %	48.2-134							
Surrogate: 1-Chlorooctadecane	104 %	49.1-148							

Sample ID: G 12 48-51" (H232157-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	05/03/2023	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12.2	10.0	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	1520	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	103	10.0	05/02/2023	ND					
Surrogate: 1-Chlorooctane	115 %	48.2-134							
Surrogate: 1-Chlorooctadecane	114 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 13 48-51" (H232157-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	05/03/2023	ND	432	108	400	3.77		
TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	526	100	05/03/2023	ND	193	96.4	200	2.18		
DRO >C10-C28*	12900	100	05/03/2023	ND	203	102	200	2.87		
EXT DRO >C28-C36	60500	100	05/03/2023	ND						
<i>Surrogate: 1-Chlorooctane</i>	380 %	48.2-134								
<i>Surrogate: 1-Chlorooctadecane</i>	260 %	49.1-148								

Sample ID: G 14 48-51" (H232157-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1950	16.0	05/03/2023	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	85.6	10.0	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	3010	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	212	10.0	05/02/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>	121 %	48.2-134							
<i>Surrogate: 1-Chlorooctadecane</i>	114 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 15 48-51" (H232157-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	05/03/2023	ND	432	108	400	3.77	
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	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	350	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	38.2	10.0	05/02/2023	ND					
Surrogate: 1-Chlorooctane	92.4 %	48.2-134							
Surrogate: 1-Chlorooctadecane	95.8 %	49.1-148							

Sample ID: G 18 48-51" (H232157-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	05/03/2023	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 20 48-51" (H232157-17)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	05/03/2023	ND	416	104	400	3.77	
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	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					
Surrogate: 1-Chlorooctane	83.9 %	48.2-134							
Surrogate: 1-Chlorooctadecane	77.3 %	49.1-148							

Sample ID: G 21 48-51" (H232157-18)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	05/03/2023	ND	416	104	400	3.77	
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	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	10.7	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					
Surrogate: 1-Chlorooctane	102 %	48.2-134							
Surrogate: 1-Chlorooctadecane	94.7 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 22 48-51" (H232157-19)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/03/2023	ND	416	104	400	3.77	
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	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	59.8	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>	<i>106 %</i>	<i>48.2-134</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>99.4 %</i>	<i>49.1-148</i>							

Sample ID: G 23 48-51" (H232157-20)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	05/03/2023	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 24 48-51" (H232157-21)

Chloride, SM4500CI-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	05/03/2023	ND	416	104	400	3.77	

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	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	48.6	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134
 Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 25 48-51" (H232157-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	0.635	
Toluene*	<0.050	0.050	05/02/2023	ND	2.02	101	2.00	1.62	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.02	101	2.00	1.78	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.18	103	6.00	1.75	
Total BTEX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	05/03/2023	ND	416	104	400	3.77	

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	05/02/2023	ND	193	96.4	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	203	102	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 26 48-51" (H232157-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	0.635	
Toluene*	<0.050	0.050	05/02/2023	ND	2.02	101	2.00	1.62	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.02	101	2.00	1.78	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.18	103	6.00	1.75	
Total BTEX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	05/03/2023	ND	416	104	400	3.77	

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	05/03/2023	ND	179	89.7	200	5.38	
DRO >C10-C28*	14.9	10.0	05/03/2023	ND	214	107	200	22.5	
EXT DRO >C28-C36	<10.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 27 48-51" (H232157-24)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	0.635		
Toluene*	<0.050	0.050	05/02/2023	ND	2.02	101	2.00	1.62		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.02	101	2.00	1.78		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.18	103	6.00	1.75		
Total BTEX	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	05/03/2023	ND	416	104	400	3.77		

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	05/03/2023	ND	179	89.7	200	5.38		
DRO >C10-C28*	75.2	10.0	05/03/2023	ND	214	107	200	22.5		
EXT DRO >C28-C36	30.5	10.0	05/03/2023	ND						

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 28 48-51" (H232157-25)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	0.635	
Toluene*	<0.050	0.050	05/02/2023	ND	2.02	101	2.00	1.62	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.02	101	2.00	1.78	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.18	103	6.00	1.75	
Total BTEX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	05/03/2023	ND	416	104	400	3.77	

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	05/03/2023	ND	179	89.7	200	5.38	
DRO >C10-C28*	132	10.0	05/03/2023	ND	214	107	200	22.5	
EXT DRO >C28-C36	98.5	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 29 48-51" (H232157-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	0.635	
Toluene*	<0.050	0.050	05/02/2023	ND	2.02	101	2.00	1.62	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.02	101	2.00	1.78	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.18	103	6.00	1.75	
Total BTEX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	05/03/2023	ND	416	104	400	3.77	

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	05/03/2023	ND	179	89.7	200	5.38	
DRO >C10-C28*	80.4	10.0	05/03/2023	ND	214	107	200	22.5	
EXT DRO >C28-C36	62.8	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 30 48-51" (H232157-27)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	0.635		
Toluene*	<0.050	0.050	05/02/2023	ND	2.02	101	2.00	1.62		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.02	101	2.00	1.78		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.18	103	6.00	1.75		
Total BTEX	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	05/03/2023	ND	416	104	400	3.77		

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	05/03/2023	ND	179	89.7	200	5.38		
DRO >C10-C28*	36.8	10.0	05/03/2023	ND	214	107	200	22.5		
EXT DRO >C28-C36	11.3	10.0	05/03/2023	ND						

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 31 48-51" (H232157-28)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	0.635	
Toluene*	<0.050	0.050	05/02/2023	ND	2.02	101	2.00	1.62	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.02	101	2.00	1.78	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.18	103	6.00	1.75	
Total BTEX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	05/03/2023	ND	416	104	400	3.77	

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	05/03/2023	ND	179	89.7	200	5.38	
DRO >C10-C28*	21.8	10.0	05/03/2023	ND	214	107	200	22.5	
EXT DRO >C28-C36	11.8	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 72.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 32 48-51" (H232157-29)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	0.635	
Toluene*	<0.050	0.050	05/02/2023	ND	2.02	101	2.00	1.62	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.02	101	2.00	1.78	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.18	103	6.00	1.75	
Total BTEX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	05/03/2023	ND	416	104	400	3.77	

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	05/03/2023	ND	179	89.7	200	5.38	
DRO >C10-C28*	14.0	10.0	05/03/2023	ND	214	107	200	22.5	
EXT DRO >C28-C36	11.3	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 33 48-51" (H232157-30)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	0.635	
Toluene*	<0.050	0.050	05/02/2023	ND	2.02	101	2.00	1.62	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.02	101	2.00	1.78	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.18	103	6.00	1.75	
Total BTEX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	05/03/2023	ND	416	104	400	3.77	

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	05/03/2023	ND	179	89.7	200	5.38	
DRO >C10-C28*	30.5	10.0	05/03/2023	ND	214	107	200	22.5	
EXT DRO >C28-C36	10.5	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 34 48-51" (H232157-31)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	2.00	100	2.00	0.635	
Toluene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.62	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.78	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.18	103	6.00	1.75	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1540	16.0	05/03/2023	ND	416	104	400	3.77	

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	05/03/2023	ND	179	89.7	200	5.38	
DRO >C10-C28*	389	10.0	05/03/2023	ND	214	107	200	22.5	
EXT DRO >C28-C36	33.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 35 48-51" (H232157-32)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	2.00	100	2.00	0.635	
Toluene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.62	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.78	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.18	103	6.00	1.75	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	05/03/2023	ND	416	104	400	3.77	

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	05/03/2023	ND	179	89.7	200	5.38	
DRO >C10-C28*	568	10.0	05/03/2023	ND	214	107	200	22.5	
EXT DRO >C28-C36	52.9	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 36 48-51" (H232157-33)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	2.00	100	2.00	0.635	
Toluene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.62	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.78	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.18	103	6.00	1.75	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	05/03/2023	ND	416	104	400	3.77	

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	05/03/2023	ND	179	89.7	200	5.38	
DRO >C10-C28*	515	10.0	05/03/2023	ND	214	107	200	22.5	
EXT DRO >C28-C36	28.3	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 37 48-51" (H232157-34)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	2.00	100	2.00	0.635	
Toluene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.62	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.78	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.18	103	6.00	1.75	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	05/03/2023	ND	416	104	400	3.77	

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	05/03/2023	ND	179	89.7	200	5.38	
DRO >C10-C28*	1010	10.0	05/03/2023	ND	214	107	200	22.5	
EXT DRO >C28-C36	73.7	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 38 48-51" (H232157-35)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	2.00	100	2.00	0.635	
Toluene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.62	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.78	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.18	103	6.00	1.75	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	05/03/2023	ND	416	104	400	3.77	

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	05/03/2023	ND	179	89.7	200	5.38	
DRO >C10-C28*	164	10.0	05/03/2023	ND	214	107	200	22.5	
EXT DRO >C28-C36	21.3	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 39 48-51" (H232157-36)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	2.00	100	2.00	0.635		
Toluene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.62		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.78		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.18	103	6.00	1.75		
Total BTEX	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	05/03/2023	ND	400	100	400	3.92		

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	05/03/2023	ND	179	89.7	200	5.38		
DRO >C10-C28*	229	10.0	05/03/2023	ND	214	107	200	22.5		
EXT DRO >C28-C36	17.4	10.0	05/03/2023	ND						

Surrogate: 1-Chlorooctane 70.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 40 48-51" (H232157-37)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	2.00	100	2.00	0.635	
Toluene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.62	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.78	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.18	103	6.00	1.75	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21400	16.0	05/03/2023	ND	400	100	400	3.92	

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	05/03/2023	ND	179	89.7	200	5.38	
DRO >C10-C28*	386	10.0	05/03/2023	ND	214	107	200	22.5	
EXT DRO >C28-C36	52.8	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 41 48-51" (H232157-38)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	2.00	100	2.00	0.635	
Toluene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.62	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.78	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.18	103	6.00	1.75	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	05/03/2023	ND	400	100	400	3.92	

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	05/03/2023	ND	179	89.7	200	5.38	
DRO >C10-C28*	479	10.0	05/03/2023	ND	214	107	200	22.5	
EXT DRO >C28-C36	38.3	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 42 48-51" (H232157-39)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	2.00	100	2.00	0.635	
Toluene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.62	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.78	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.18	103	6.00	1.75	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	05/03/2023	ND	400	100	400	3.92	

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	05/03/2023	ND	179	89.7	200	5.38	
DRO >C10-C28*	553	10.0	05/03/2023	ND	214	107	200	22.5	
EXT DRO >C28-C36	45.4	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 43 48-51" (H232157-40)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	2.00	100	2.00	0.635	
Toluene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.62	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.02	101	2.00	1.78	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.18	103	6.00	1.75	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	05/03/2023	ND	400	100	400	3.92	

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	05/03/2023	ND	179	89.7	200	5.38	
DRO >C10-C28*	209	10.0	05/03/2023	ND	214	107	200	22.5	
EXT DRO >C28-C36	17.4	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 44 48-51" (H232157-41)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	1.23	
Toluene*	<0.050	0.050	05/02/2023	ND	1.92	96.0	2.00	4.74	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	1.92	96.2	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	5.92	98.6	6.00	1.95	
Total BTEX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	05/03/2023	ND	400	100	400	3.92	

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	05/03/2023	ND	179	89.7	200	5.38	
DRO >C10-C28*	165	10.0	05/03/2023	ND	214	107	200	22.5	
EXT DRO >C28-C36	19.2	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 45 48-51" (H232157-42)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	1.23	
Toluene*	<0.050	0.050	05/02/2023	ND	1.92	96.0	2.00	4.74	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	1.92	96.2	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	5.92	98.6	6.00	1.95	
Total BTEX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	05/03/2023	ND	400	100	400	3.92	

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	05/03/2023	ND	179	89.7	200	5.38	
DRO >C10-C28*	227	10.0	05/03/2023	ND	214	107	200	22.5	
EXT DRO >C28-C36	26.9	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 46 48-51" (H232157-43)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	1.23	
Toluene*	<0.050	0.050	05/02/2023	ND	1.92	96.0	2.00	4.74	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	1.92	96.2	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	5.92	98.6	6.00	1.95	
Total BTEX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	05/03/2023	ND	400	100	400	3.92	

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	05/03/2023	ND	187	93.6	200	0.547	
DRO >C10-C28*	146	10.0	05/03/2023	ND	179	89.5	200	5.52	
EXT DRO >C28-C36	14.3	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 47 48-51" (H232157-44)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	1.23	
Toluene*	<0.050	0.050	05/02/2023	ND	1.92	96.0	2.00	4.74	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	1.92	96.2	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	5.92	98.6	6.00	1.95	
Total BTEX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	05/03/2023	ND	400	100	400	3.92	

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	05/03/2023	ND	187	93.6	200	0.547	
DRO >C10-C28*	95.7	10.0	05/03/2023	ND	179	89.5	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: SW - 1 0-4' (H232157-45)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	1.23	
Toluene*	<0.050	0.050	05/02/2023	ND	1.92	96.0	2.00	4.74	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	1.92	96.2	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	5.92	98.6	6.00	1.95	
Total BTEX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/03/2023	ND	400	100	400	3.92	

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	05/03/2023	ND	187	93.6	200	0.547	
DRO >C10-C28*	<10.0	10.0	05/03/2023	ND	179	89.5	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: WW - 1 0-4' (H232157-46)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	1.23	
Toluene*	<0.050	0.050	05/02/2023	ND	1.92	96.0	2.00	4.74	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	1.92	96.2	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	5.92	98.6	6.00	1.95	
Total BTEX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	05/03/2023	ND	400	100	400	3.92	

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	05/03/2023	ND	187	93.6	200	0.547	
DRO >C10-C28*	16.4	10.0	05/03/2023	ND	179	89.5	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: WW - 2 0-4' (H232157-47)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	1.89	94.4	2.00	1.23	
Toluene*	<0.050	0.050	05/03/2023	ND	1.92	96.0	2.00	4.74	
Ethylbenzene*	0.140	0.050	05/03/2023	ND	1.92	96.2	2.00	3.72	
Total Xylenes*	2.95	0.150	05/03/2023	ND	5.92	98.6	6.00	1.95	
Total BTEX	3.09	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20600	16.0	05/03/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	545	100	05/03/2023	ND	187	93.6	200	0.547		
DRO >C10-C28*	17700	100	05/03/2023	ND	179	89.5	200	5.52		
EXT DRO >C28-C36	1040	100	05/03/2023	ND						

Surrogate: 1-Chlorooctane 196 % 48.2-134

Surrogate: 1-Chlorooctadecane 303 % 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:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2203/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: WW - 3 0-4' (H232157-48)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.4	2.00	1.23	
Toluene*	<0.050	0.050	05/02/2023	ND	1.92	96.0	2.00	4.74	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	1.92	96.2	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	5.92	98.6	6.00	1.95	
Total BTEX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	05/03/2023	ND	400	100	400	3.92	

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	05/03/2023	ND	187	93.6	200	0.547	
DRO >C10-C28*	290	10.0	05/03/2023	ND	179	89.5	200	5.52	
EXT DRO >C28-C36	13.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-04 The RPD for the BS/BSD was outside of historical limits.
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. Keene

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Altamira Project Manager: Bryan Haney Address: 14229 Punta Bonaire City: Corpus Christi State: Texas Zip: 78412 Phone #: 361-658-3126 Fax #: Project #: NVONNM2303/001 Project Owner: Bryan Haney Project Name: Novo Goonch Release Project Location: Loving New Mexico Sampler Name: J. Gonzalez		BILL TO P.O. #: Direct Bill Novo Company: Oil and Gas Attn: Address: City: State: Zip: Phone #: Fax #:	
FOR LAB USE ONLY Lab I.D.: H23267 Sample I.D.:		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	
(G)RAB OR (C)OMP. # CONTAINERS DATE TIME		PRESERV ACID/BASE: ICE / COOL OTHER:	
SAMPLED BY: [Signature] RECEIVED BY: [Signature]		CHECKED BY: [Signature]	
DATE: 5-2-23 TIME: 16:40		RECEIVED BY: [Signature]	
RELINQUISHED BY: [Signature]		REMARKS: 24 HR FAT	
DELIVERED BY: (Circle One) UPS - Bus - Other:		THERMOMETER ID #113 CORRECTION FACTOR -0.5°C STANDARD RUSH BACTERIA (only) COOL INTACT SAMPLE CONDITION OBSERVED TEMP. °C CORRECTED TEMP. °C	



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 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Altamira
 Project Manager: Bryan Haney
 Address: 14229 Punta Bonaire
 City: Corpus Christi State: Texas Zip: 78412
 Phone #: 361-658-3126 Fax #: _____
 Project #: NVONNM2303/001 Project Owner: Bryan Haney
 Project Name: Novo Gounch Release
 Project Location: Loving New Mexico
 Sampler Name: J Gonzalez
 P.O. #: _____ Company: Direct Bill Novo
 Company: Oil and Gas
 Attn: _____ Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV	DATE	TIME	BTEX	TPH	CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						
<u>H232157</u>	<u>C11</u>	<u>C1</u>	<u>1</u>	<u>X</u>						<u>X</u>	<u>5-2-23 1250</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>C12</u>	<u>C1</u>	<u>1</u>	<u>X</u>						<u>X</u>	<u>5-2-23 1252</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>C13</u>	<u>C1</u>	<u>1</u>	<u>X</u>						<u>X</u>	<u>5-2-23 1254</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>C14</u>	<u>C1</u>	<u>1</u>	<u>X</u>						<u>X</u>	<u>5-2-23 1256</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>C15</u>	<u>C1</u>	<u>1</u>	<u>X</u>						<u>X</u>	<u>5-2-23 1300</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>C16</u>	<u>C1</u>	<u>1</u>	<u>X</u>						<u>X</u>	<u>5-2-23 0930</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>C17</u>	<u>C1</u>	<u>1</u>	<u>X</u>						<u>X</u>	<u>5-2-23 0932</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>C18</u>	<u>C1</u>	<u>1</u>	<u>X</u>						<u>X</u>	<u>5-2-23 0934</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>C19</u>	<u>C1</u>	<u>1</u>	<u>X</u>						<u>X</u>	<u>5-2-23 0936</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>C20</u>	<u>C1</u>	<u>1</u>	<u>X</u>						<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>	

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Relinquished By: _____
 Date: 5-2-23
 Time: 16:40
 Received By: [Signature]
 Date: _____
 Time: _____

Delivered By: (Circle One) Observed Temp. °C 30
 Corrected Temp. °C 84
 Sampler - UPS - Bus - Other: _____
 Sample Condition: Cool Intact
 Checked By: [Signature]
 Turnaround Time: _____
 Standard Rush:
 Bacteria (only) Sample Condition: Cool Intact
 Corrected Temp. °C: _____



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Altamira	P.O. #: Direct Bill Novo
Project Manager: Bryan Haney	Company: Oil and Gas
Address: 14229 Punta Bonaire	Attn:
City: Corpus Christi	Address:
State: Texas	City:
Zip: 78412	State:
Phone #: 361-658-3126	Fax #:
Fax #:	Project Owner: Bryan Haney
Project #: NVONNM2303/001	Project Name: Novo Goonch Release
Project Name: Novo Goonch Release	Project Location: Loving New Mexico
Project Location: Loving New Mexico	Sample Name: J. Gonzalez

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	B	T	C
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
H232157	21	G	1	X							5-2-23	0938	X	X	X
	22	C	1	X							5-2-23	0940	X	X	X
	23	C	1	X							5-2-23	0942	X	X	X
	24	C	1	X							5-2-23	0944	X	X	X
	25	C	1	X							5-2-23	0946	X	X	X
	26	C	1	X							5-2-23	0948	X	X	X
	27	C	1	X							5-2-23	0950	X	X	X
	28	C	1	X							5-2-23	0952	X	X	X
	29	C	1	X							5-2-23	0954	X	X	X
	30	C	1	X							5-2-23	1302	X	X	X

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Relinquished By: [Signature] **Received By:** [Signature]

Date: 5-2-23 **Time:** 1640

Observed Temp. °C: 30 **Corrected Temp. °C:** 34

Sample Condition: Cool Intact

Checked By: [Signature]

Turnaround Time: 24 hr

Thermometer ID #113 **Correction Factor -0.5°C**

Bacteria (only) Sample Condition: Cool Intact

FORWARD TO: 3-2 (10/07/21)

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



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Altamira
 Project Manager: Bryan Haney
 Address: 14229 Punta Bonaire
 City: Corpus Christi State: Texaszip: 78412
 Phone #: 361-658-3126 Fax #:
 Project #: NVONNM2303/001 Project Owner: Bryan Haney
 Project Name: Novo Goonch Release
 Project Location: Loving New Mexico
 Sampler Name: J. Gonzalez
 P.O. #: Direct Bill Novo
 Company: Oil and Gas
 Attn:
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	TPH	CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H232157	48-51"	C	1							5-2-23	1304	X	X	X
	48-51"	C	1	X						5-2-23	1306	X	X	X
	48-51"	C	1	X						5-2-23	1308	X	X	X
	48-51"	C	1	X						5-2-23	1310	X	X	X
	48-51"	C	1	X						5-2-23	1312	X	X	X
	48-51"	C	1	X						5-2-23	1314	X	X	X
	48-51"	C	1	X						5-2-23	1316	X	X	X
	48-51"	C	1	X						5-2-23	1318	X	X	X
	48-51"	C	1	X						5-2-23	1320	X	X	X
	48-51"	C	1	X						5-2-23	1322	X	X	X

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Relinquished By:

Date: 5-2-23
 Time: 1040
 Received By:

Observed Temp. °C: 30
 Corrected Temp. °C: 24
 Sample Condition: Intact Cool Yes No

Turnaround Time: 24 HR TAT
 Standard Rush Bacteria (only) Sample Condition Cool Intact Yes No

Thermometer ID #113
 Correction Factor: -0.5°C

Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 REMARKS:
 Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinalabsnm.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Altamira		BILL TO	
Project Manager: Bryan Haney	Address: 14229 Punta Bonaire	P.O. #: Direct Bill Novo	ANALYSIS REQUEST
City: Corpus Christi	State: Texaszip: 78412	Company: Oil and Gas	
Phone #: 361-658-3126	Fax #: 78412	Attn:	
Project #: NVONM2303/001	Project Owner: Bryan Haney	Address:	
Project Name: Novo Goonch Release	State: Zip:	City:	
Project Location: Loving New Mexico	Phone #:	State:	
Sampler Name: J. Gonzalez	Fax #:	Zip:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX							DATE	TIME	BTE	XPH	CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV					
41	48-51"	O	1	X							5-2-23	1324	X	X	X
42	48-51"	C	1	X							5-2-23	1326	X	X	X
43	48-51"	C	1	X							5-2-23	1328	X	X	X
44	48-51"	C	1	X							5-2-23	1330	X	X	X
45	SW-1	C	1	X							5-2-23	1400	X	X	X
46	WW-1	C	1	X							5-2-23	1405	X	X	X
47	WW-2	C	1	X							5-2-23	1410	X	X	X
48	WW-3	C	1	X							5-2-23	1415	X	X	X

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Relinquished By:	Date: 5-2-23	Received By:	Date: 5-2-23
Time: 16:40	Received By:	Time:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C: 30 Corrected Temp. °C: 24	Sample Condition Cool Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: (Initials) V
Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Thermometer ID #113 Correction Factor: -0.5°C	Bacteria (only) Cool Intact: Yes <input type="checkbox"/> No <input type="checkbox"/>	Sample Condition Observed Temp. °C: Corrected Temp. °C:
REMARKS: 24 HR TAT	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	All Results are emailed. Please provide Email address:

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 04, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/03/23 11:37.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/03/2023	Sampling Date:	05/03/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: WW - 4 0-4' (H232178-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	1.95	97.5	2.00	8.94	
Toluene*	<0.050	0.050	05/03/2023	ND	1.97	98.3	2.00	8.92	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.94	97.2	2.00	9.51	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.00	100	6.00	9.58	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/04/2023	ND	400	100	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	05/04/2023	ND	230	115	200	9.68	
DRO >C10-C28*	<10.0	10.0	05/04/2023	ND	215	107	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	05/04/2023	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/03/2023	Sampling Date:	05/03/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: SW - 2 0-4' (H232178-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	1.95	97.5	2.00	8.94	
Toluene*	<0.050	0.050	05/03/2023	ND	1.97	98.3	2.00	8.92	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.94	97.2	2.00	9.51	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.00	100	6.00	9.58	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/04/2023	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	05/04/2023	ND	230	115	200	9.68	
DRO >C10-C28*	<10.0	10.0	05/04/2023	ND	215	107	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	05/04/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/03/2023	Sampling Date:	05/03/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: EW - 1 0-4' (H232178-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	1.95	97.5	2.00	8.94	
Toluene*	<0.050	0.050	05/03/2023	ND	1.97	98.3	2.00	8.92	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.94	97.2	2.00	9.51	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.00	100	6.00	9.58	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/04/2023	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	05/04/2023	ND	230	115	200	9.68	
DRO >C10-C28*	<10.0	10.0	05/04/2023	ND	215	107	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	05/04/2023	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/03/2023	Sampling Date:	05/03/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: EW - 2 0-4' (H232178-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	1.95	97.5	2.00	8.94	
Toluene*	<0.050	0.050	05/03/2023	ND	1.97	98.3	2.00	8.92	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.94	97.2	2.00	9.51	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.00	100	6.00	9.58	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	05/04/2023	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	05/04/2023	ND	230	115	200	9.68	
DRO >C10-C28*	10.4	10.0	05/04/2023	ND	215	107	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	05/04/2023	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/03/2023	Sampling Date:	05/03/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: EW - 3 0-4' (H232178-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	1.95	97.5	2.00	8.94	
Toluene*	<0.050	0.050	05/03/2023	ND	1.97	98.3	2.00	8.92	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.94	97.2	2.00	9.51	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.00	100	6.00	9.58	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	05/04/2023	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	05/04/2023	ND	230	115	200	9.68	
DRO >C10-C28*	<10.0	10.0	05/04/2023	ND	215	107	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	05/04/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/03/2023	Sampling Date:	05/03/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: EW - 4 0-4' (H232178-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	1.95	97.5	2.00	8.94	
Toluene*	<0.050	0.050	05/03/2023	ND	1.97	98.3	2.00	8.92	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.94	97.2	2.00	9.51	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.00	100	6.00	9.58	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	05/04/2023	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	05/04/2023	ND	230	115	200	9.68	
DRO >C10-C28*	11.0	10.0	05/04/2023	ND	215	107	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	05/04/2023	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/03/2023	Sampling Date:	05/03/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: NW - 1 0-4' (H232178-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	1.95	97.5	2.00	8.94	
Toluene*	<0.050	0.050	05/03/2023	ND	1.97	98.3	2.00	8.92	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.94	97.2	2.00	9.51	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.00	100	6.00	9.58	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	05/04/2023	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	05/04/2023	ND	230	115	200	9.68	
DRO >C10-C28*	<10.0	10.0	05/04/2023	ND	215	107	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	05/04/2023	ND					

Surrogate: 1-Chlorooctane 68.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Altamira		BILL TO		P.O. #: Direct Bill Novo		ANALYSIS REQUEST																													
Project Manager: Bryan Haney		Address: 14229 Punta Bonaire		Company: Oil and Gas																															
City: Corpus Christi		State: Texas Zip: 78412		Attn:																															
Phone #: 361-658-3126		Fax #:		Address:																															
Project #: NVONNM2303/001		Project Owner: Bryan Haney		City:																															
Project Name: Novo Goonch Release		State:		Zip:																															
Project Location: Loving New Mexico		Phone #:		Fax #:																															
Sampler Name: J. Gonzalez		FOR LAB USE ONLY																																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	B	T	E	X	T	H	C	H	L	O	R	I	D	E	S						
A232178	1 Ww-4	0-4'	0										5-3-23	0930	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
	2 Sw-2	0-4'	1	X									5-3-23	0932	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
	3 Ew-1	0-4'	1	X									5-3-23	0934	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
	4 Ew-2	0-4'	1	X									5-3-23	0936	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	5 Ew-3	0-4'	1	X									5-3-23	0938	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	6 Ew-4	0-4'	1	X									5-3-23	0940	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	7 Ww-1	0-4'	1	X									5-3-23	0942	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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Relinquished By: [Signature] Date: 5-3-23 Time: 11:37
 Received By: [Signature] Date: 5-3-23 Time: 11:37

Delivered By: (Circle One) Observed Temp. °C 3.9 Sample Condition Cool Intact Yes No
 Corrected Temp. °C 3.3

Sampler - UPS - Bus - Other: Yes No

Turnaround Time: Standard Rush Bacteria (only) Sample Condition Observed Temp. °C Corrected Temp. °C

REMARKS: 24 hr FAT

Verbal Result: Yes No Add'l Phone #: _____
 All Results are emailed. Please provide Email address: _____

FORWARD TO: 312 1007721

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 16, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/15/23 16:05.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 1 72-75" (H232424-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	05/16/2023	ND	432	108	400	0.00	

Sample ID: G 2 72-75" (H232424-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	05/16/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	197	98.4	200	0.107		
DRO >C10-C28*	110	10.0	05/15/2023	ND	184	92.0	200	2.53		
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND						

Surrogate: 1-Chlorooctane 137 % 48.2-134
 Surrogate: 1-Chlorooctadecane 155 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 3 72-75" (H232424-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	05/16/2023	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	05/15/2023	ND	197	98.4	200	0.107	
DRO >C10-C28*	405	10.0	05/15/2023	ND	184	92.0	200	2.53	
EXT DRO >C28-C36	17.6	10.0	05/15/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>		<i>127 %</i>	<i>48.2-134</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>138 %</i>	<i>49.1-148</i>						

Sample ID: G 4 72-75" (H232424-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	05/16/2023	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	197	98.4	200	0.107		
DRO >C10-C28*	608	10.0	05/15/2023	ND	184	92.0	200	2.53		
EXT DRO >C28-C36	33.8	10.0	05/15/2023	ND						
<i>Surrogate: 1-Chlorooctane</i>		<i>142 %</i>	<i>48.2-134</i>							
<i>Surrogate: 1-Chlorooctadecane</i>		<i>155 %</i>	<i>49.1-148</i>							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 5 72-75" (H232424-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4520	16.0	05/16/2023	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	05/15/2023	ND	197	98.4	200	0.107	
DRO >C10-C28*	230	10.0	05/15/2023	ND	184	92.0	200	2.53	
EXT DRO >C28-C36	11.9	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	121 %	48.2-134							
Surrogate: 1-Chlorooctadecane	132 %	49.1-148							

Sample ID: G 6 72-75" (H232424-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3800	16.0	05/16/2023	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	05/15/2023	ND	197	98.4	200	0.107	
DRO >C10-C28*	204	10.0	05/15/2023	ND	184	92.0	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	127 %	48.2-134							
Surrogate: 1-Chlorooctadecane	138 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 7 72-75" (H232424-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5840	16.0	05/16/2023	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*	30.6	10.0	05/16/2023	ND	186	93.1	200	0.868	
DRO >C10-C28*	885	10.0	05/16/2023	ND	166	82.9	200	13.2	
EXT DRO >C28-C36	48.5	10.0	05/16/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>	<i>105 %</i>	<i>48.2-134</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>98.0 %</i>	<i>49.1-148</i>							

Sample ID: G 8 72-75" (H232424-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4840	16.0	05/16/2023	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	377	10.0	05/16/2023	ND	186	93.1	200	0.868		
DRO >C10-C28*	4360	10.0	05/16/2023	ND	166	82.9	200	13.2		
EXT DRO >C28-C36	215	10.0	05/16/2023	ND						
<i>Surrogate: 1-Chlorooctane</i>	<i>229 %</i>	<i>48.2-134</i>								
<i>Surrogate: 1-Chlorooctadecane</i>	<i>119 %</i>	<i>49.1-148</i>								

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 9 72-75" (H232424-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	05/16/2023	ND	432	108	400	0.00	QM-07	
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	404	10.0	05/16/2023	ND	186	93.1	200	0.868		
DRO >C10-C28*	3340	10.0	05/16/2023	ND	166	82.9	200	13.2		
EXT DRO >C28-C36	155	10.0	05/16/2023	ND						
<i>Surrogate: 1-Chlorooctane</i>		<i>207 %</i>	<i>48.2-134</i>							
<i>Surrogate: 1-Chlorooctadecane</i>		<i>119 %</i>	<i>49.1-148</i>							

Sample ID: G 10 72-75" (H232424-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12800	16.0	05/16/2023	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	05/16/2023	ND	186	93.1	200	0.868		
DRO >C10-C28*	560	10.0	05/16/2023	ND	166	82.9	200	13.2		
EXT DRO >C28-C36	30.2	10.0	05/16/2023	ND						
<i>Surrogate: 1-Chlorooctane</i>		<i>104 %</i>	<i>48.2-134</i>							
<i>Surrogate: 1-Chlorooctadecane</i>		<i>131 %</i>	<i>49.1-148</i>							

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 11 72-75" (H232424-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	05/16/2023	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	05/16/2023	ND	186	93.1	200	0.868	
DRO >C10-C28*	60.8	10.0	05/16/2023	ND	166	82.9	200	13.2	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					
Surrogate: 1-Chlorooctane	112 %	48.2-134							
Surrogate: 1-Chlorooctadecane	128 %	49.1-148							

Sample ID: G 12 72-75" (H232424-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10600	16.0	05/16/2023	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	05/16/2023	ND	186	93.1	200	0.868	
DRO >C10-C28*	422	10.0	05/16/2023	ND	166	82.9	200	13.2	
EXT DRO >C28-C36	29.1	10.0	05/16/2023	ND					
Surrogate: 1-Chlorooctane	104 %	48.2-134							
Surrogate: 1-Chlorooctadecane	107 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 13 72-75" (H232424-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13000	16.0	05/16/2023	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*	24.5	10.0	05/16/2023	ND	186	93.1	200	0.868	
DRO >C10-C28*	1520	10.0	05/16/2023	ND	166	82.9	200	13.2	
EXT DRO >C28-C36	108	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134
 Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Sample ID: G 14 72-75" (H232424-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	05/16/2023	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	05/16/2023	ND	186	93.1	200	0.868	
DRO >C10-C28*	574	10.0	05/16/2023	ND	166	82.9	200	13.2	
EXT DRO >C28-C36	36.1	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134
 Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 15 72-75" (H232424-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2023	ND	2.24	112	2.00	3.38	
Toluene*	<0.050	0.050	05/16/2023	ND	2.22	111	2.00	3.57	
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.15	108	2.00	4.92	
Total Xylenes*	<0.150	0.150	05/16/2023	ND	6.55	109	6.00	4.04	
Total BTEX	<0.300	0.300	05/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	05/16/2023	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	05/16/2023	ND	186	93.1	200	0.868	
DRO >C10-C28*	253	10.0	05/16/2023	ND	166	82.9	200	13.2	
EXT DRO >C28-C36	11.9	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 27 72-75" (H232424-16)

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	05/16/2023	ND	186	93.1	200	0.868	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	166	82.9	200	13.2	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>		<i>108 %</i>	<i>48.2-134</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>121 %</i>	<i>49.1-148</i>						

Sample ID: G 28 72-75" (H232424-17)

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	05/16/2023	ND	186	93.1	200	0.868	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	166	82.9	200	13.2	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>		<i>91.4 %</i>	<i>48.2-134</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>102 %</i>	<i>49.1-148</i>						

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 29 72-75" (H232424-18)

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	05/16/2023	ND	186	93.1	200	0.868	
DRO >C10-C28*	23.9	10.0	05/16/2023	ND	166	82.9	200	13.2	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					
<hr/>									
Surrogate: 1-Chlorooctane	92.4 %	48.2-134							
Surrogate: 1-Chlorooctadecane	103 %	49.1-148							

Sample ID: G 34 72-75" (H232424-19)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6200	16.0	05/16/2023	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*	42.2	10.0	05/16/2023	ND	186	93.1	200	0.868	
DRO >C10-C28*	1240	10.0	05/16/2023	ND	166	82.9	200	13.2	
EXT DRO >C28-C36	58.8	10.0	05/16/2023	ND					
<hr/>									
Surrogate: 1-Chlorooctane	111 %	48.2-134							
Surrogate: 1-Chlorooctadecane	102 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 35 72-75" (H232424-20)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	05/16/2023	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	05/16/2023	ND	220	110	200	3.67	
DRO >C10-C28*	79.1	10.0	05/16/2023	ND	217	109	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>		<i>123 %</i>	<i>48.2-134</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>134 %</i>	<i>49.1-148</i>						

Sample ID: G 36 72-75" (H232424-21)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	05/16/2023	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	05/16/2023	ND	220	110	200	3.67	
DRO >C10-C28*	36.2	10.0	05/16/2023	ND	217	109	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>		<i>108 %</i>	<i>48.2-134</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>117 %</i>	<i>49.1-148</i>						

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 37 72-75" (H232424-22)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	05/16/2023	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	05/16/2023	ND	220	110	200	3.67	
DRO >C10-C28*	17.8	10.0	05/16/2023	ND	217	109	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					
Surrogate: 1-Chlorooctane	84.8 %	48.2-134							
Surrogate: 1-Chlorooctadecane	90.2 %	49.1-148							

Sample ID: G 38 72-75" (H232424-23)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1500	16.0	05/16/2023	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	05/16/2023	ND	220	110	200	3.67	
DRO >C10-C28*	15.0	10.0	05/16/2023	ND	217	109	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					
Surrogate: 1-Chlorooctane	91.3 %	48.2-134							
Surrogate: 1-Chlorooctadecane	98.8 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 39 72-75" (H232424-24)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	05/16/2023	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*	155	10.0	05/16/2023	ND	220	110	200	3.67	
DRO >C10-C28*	1230	10.0	05/16/2023	ND	217	109	200	3.65	
EXT DRO >C28-C36	62.5	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134
 Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

Sample ID: G 40 72-75" (H232424-25)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	05/16/2023	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*	39.6	10.0	05/16/2023	ND	220	110	200	3.67	
DRO >C10-C28*	914	10.0	05/16/2023	ND	217	109	200	3.65	
EXT DRO >C28-C36	58.8	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134
 Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 41 72-75" (H232424-26)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	05/16/2023	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	05/16/2023	ND	220	110	200	3.67	
DRO >C10-C28*	264	10.0	05/16/2023	ND	217	109	200	3.65	
EXT DRO >C28-C36	15.9	10.0	05/16/2023	ND					
Surrogate: 1-Chlorooctane	80.1 %	48.2-134							
Surrogate: 1-Chlorooctadecane	92.1 %	49.1-148							

Sample ID: G 42 72-75" (H232424-27)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	05/16/2023	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	05/16/2023	ND	220	110	200	3.67	
DRO >C10-C28*	144	10.0	05/16/2023	ND	217	109	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					
Surrogate: 1-Chlorooctane	90.5 %	48.2-134							
Surrogate: 1-Chlorooctadecane	100 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 43 72-75" (H232424-28)

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	05/16/2023	ND	220	110	200	3.67	
DRO >C10-C28*	71.0	10.0	05/16/2023	ND	217	109	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					
<hr/>									
Surrogate: 1-Chlorooctane	92.5 %	48.2-134							
Surrogate: 1-Chlorooctadecane	100 %	49.1-148							

Sample ID: G 44 72-75" (H232424-29)

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	05/16/2023	ND	220	110	200	3.67	
DRO >C10-C28*	65.2	10.0	05/16/2023	ND	217	109	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					
<hr/>									
Surrogate: 1-Chlorooctane	77.7 %	48.2-134							
Surrogate: 1-Chlorooctadecane	85.5 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 45 72-75" (H232424-30)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	05/16/2023	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	05/16/2023	ND	220	110	200	3.67	
DRO >C10-C28*	52.3	10.0	05/16/2023	ND	217	109	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					
Surrogate: 1-Chlorooctane	89.5 %	48.2-134							
Surrogate: 1-Chlorooctadecane	97.6 %	49.1-148							

Sample ID: G 46 72-75" (H232424-31)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1540	16.0	05/16/2023	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	05/16/2023	ND	220	110	200	3.67	
DRO >C10-C28*	267	10.0	05/16/2023	ND	217	109	200	3.65	
EXT DRO >C28-C36	16.3	10.0	05/16/2023	ND					
Surrogate: 1-Chlorooctane	75.8 %	48.2-134							
Surrogate: 1-Chlorooctadecane	86.1 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/15/2023	Sampling Date:	05/15/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: WW - 3B 0-6' (H232424-32)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	05/16/2023	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	05/16/2023	ND	220	110	200	3.67	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	217	109	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					
Surrogate: 1-Chlorooctane	72.9 %	48.2-134							
Surrogate: 1-Chlorooctadecane	77.2 %	49.1-148							

Sample ID: WW - 2B 0-6' (H232424-33)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	05/16/2023	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	05/16/2023	ND	220	110	200	3.67	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	217	109	200	3.65	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					
Surrogate: 1-Chlorooctane	79.3 %	48.2-134							
Surrogate: 1-Chlorooctadecane	84.5 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Altamira
 Project Manager: Bryan Haney
 Address: 14229 Punta Bonaire
 City: Corpus Christi State: Texas Zip: 78412
 Phone #: 361-658-3126 Fax #:
 Project #: NVONM2303/001 Project Owner: Bryan Haney
 Project Name: Novo Goonch Release
 Project Location: Loving New Mexico
 Sampler Name: J. Gonzalez
 P.O. #: Direct Bill Novo
 Company: Oil and Gas
 Attn:
 Address:
 City:
 State:
 Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	TPH	CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H232124	1 G1	C 1	1	X					5-15-23	1100	X	X	X	
	2 G2	C 1	1	X					5-15-23	1105	X	X	X	
	3 G3	C 1	1	X					5-15-23	1110	X	X	X	
	4 G4	C 1	1	X					5-15-23	1115	X	X	X	
	5 G5	C 1	1	X					5-15-23	1120	X	X	X	
	6 G6	C 1	1	X					5-15-23	1125	X	X	X	
	7 G7	C 1	1	X					5-15-23	1130	X	X	X	
	8 G8	C 1	1	X					5-15-23	1135	X	X	X	
	9 G9	C 1	1	X					5-15-23	1140	X	X	X	
	10 G10	C 1	1	X					5-15-23	1145	X	X	X	

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Relinquished By: *[Signature]* Date: 5/15/23
 Received By: *[Signature]* Date: 5/15/23
 Time: 11:05 AM
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 REMARKS: 24 Hr TAD

Delivered By: (Circle One) Observed Temp. °C: -0.1 Sample Condition: Intact Cool Yes No
 Corrected Temp. °C: -0.7
 Turnaround Time: Standard Bacteria (only) Sample Condition Observed Temp. °C Corrected Temp. °C
 Thermometer ID #113
 Correction Factor -0.5°C
 Cool Intact Yes No
 Corrected Temp. °C

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Altamira</u>		BILL TO		P.O. #: <u>Direct Bill Novo</u>		ANALYSIS REQUEST	
Project Manager: <u>Bryan Haney</u>		Address: <u>14229 Punta Bonaire</u>		Company: <u>Oil and Gas</u>			
City: <u>Corpus Christi</u>		State: <u>Texas</u> Zip: <u>78412</u>		Attn:			
Phone #: <u>361-658-3126</u>		Fax #:		Address:			
Project #: <u>NVONNM2303/001</u>		Project Owner: <u>Bryan Haney</u>		City:			
Project Name: <u>Novo Goonch Release</u>		State:		Zip:			
Project Location: <u>Loving New Mexico</u>		Phone #:		Fax #:			
Sampler Name: <u>J. Gonzalez</u>		FOR LAB USE ONLY		MATRIX		PRESERV	
				GROUNDWATER		DATE	
				WASTEWATER		TIME	
				SOIL		BTEX	
				OIL		TPH	
				SLUDGE		CHLORIDES	
				OTHER:			
				ACID/BASE:			
				ICE / COOL			
				OTHER:			
				# CONTAINERS			
				(G)RAB OR (C)OMP.			
				Lab I.D.			
				Sample I.D.			
				11 6-11 72-75" 1			
				12 6-12 72-75" 1			
				13 6-13 72-75" 1			
				14 6-14 72-75" 1			
				15 6-15 72-75" 1			
				16 6-16 72-75" 1			
				17 6-17 72-75" 1			
				18 6-18 72-75" 1			
				19 6-19 72-75" 1			
				20 6-20 72-75" 1			

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Relinquished By: [Signature] Date: 5-15-23
 Time: 11:05
 Received By: [Signature] Date: 5-15-23
 Time: 11:05

Delivered By: (Circle One) Observed Temp. °C -0.1
 Sampler - UPS - Bus - Other: Corrected Temp. °C -0.7
 Sample Condition: Cool Intact Yes No
 Checked By: [Signature] (Initials)

Turnaround Time: 24 Hr TAT
 Thermometer ID #113 Correction Factor: -0.5°C
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 Bacteria (only) Sample Condition: Cool Intact Yes No
 Corrected Temp. °C:



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Altamira		P.O. #: Direct Bill Novo	
Project Manager: Bryan Haney		Company: Oil and Gas	
Address: 14229 Punta Bonaire		Attn:	
City: Corpus Christi	State: Texas	Zip: 78412	Address:
Phone #: 361-658-3126	Fax #: 361-658-3126	City:	State:
Project #: NVONM2303/001	Project Owner: Bryan Haney	State:	Zip:
Project Name: Novo Gooch Release	Project Location: Loving New Mexico	Phone #:	Fax #:
Sampler Name: J. Gonzalez			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						DATE	TIME	BTEX	TPH	CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
HP32424	21	36	72-75"											
	22	37	72-75"											
	23	38	72-75"											
	24	39	72-75"											
	25	40	72-75"											
	26	41	72-75"											
	27	42	72-75"											
	28	43	72-75"											
	29	44	72-75"											
	30	45	72-75"											

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Relinquished By: [Signature] Date: 5-15-23 Time: 1605
 Received By: [Signature] Date: 5-15-23 Time: 1605

Delivered By: (Circle One) UPS Bus Other: Corrected Temp. °C: 0.1

Sample Condition: Intact Cool Intact Yes No

Checked By: [Signature] (Initials)

Turnaround Time: Standard Bacteria (only) Sample Condition Observed Temp. °C Corrected Temp. °C

Thermometer ID #113 Bacteria (only) Sample Condition Observed Temp. °C Corrected Temp. °C

Correction Factor: -0.5°C Bacteria (only) Sample Condition Observed Temp. °C Corrected Temp. °C

Remarks: 24 HRTAF

Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 18, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/18/23 8:40.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/18/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G - 33 72-75" (H232507-01)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	05/18/2023	ND	384	96.0	400	8.00	

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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May 24, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/22/23 15:28.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/24/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: WW2 C 0-3' (H232590-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/24/2023	ND	400	100	400	3.92	

Sample ID: WW3 C 0-3' (H232590-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/24/2023	ND	400	100	400	3.92	

Sample ID: G 11 96-99" (H232590-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/24/2023	ND	400	100	400	3.92	

Sample ID: G 33 96-99" (H232590-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	05/24/2023	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/22/2023	Sampling Date:	05/22/2023
Reported:	05/24/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 35 96-99" (H232590-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	05/24/2023	ND	400	100	400	3.92	

Sample ID: G 36 96-99" (H232590-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	05/24/2023	ND	400	100	400	3.92	

Sample ID: G 37 96-99" (H232590-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	05/24/2023	ND	400	100	400	3.92	

Sample ID: G 38 96-99" (H232590-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	05/24/2023	ND	400	100	400	3.92	

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Altamira
 Project Manager: Bryan Haney
 Address: 14229 Punta Bonaire
 City: Corpus Christi State: Texas Zip: 78412
 Phone #: 361-658-3126 Fax #:
 Project #: NVONNM2303/001 Project Owner: Bryan Haney
 Project Name: Novo Goonch release
 Project Location: Loving New Mexico
 Sampler Name: O. Gonzalez, J. Gonzalez
 P.O. #: Direct Bill Novo
 Company: Oil and Gas
 Attn:
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	TPH	CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
1	ww-2 C	0-3'	1	X						5-22-23	1430	X		X
2	ww-3 C	0-3'	1	X						5-22-23	1440	X		X
3	6-11	96-99"	1	X						5-22-23	1445	X		X
4	6-33	96-99"	1	X						5-22-23	1455	X		X
5	6-35	96-99"	1	X						5-22-23	1500	X		X
6	6-36	96-99"	1	X						5-22-23	1505	X		X
7	6-37	96-99"	1	X						5-22-23	1510	X		X
8	6-38	96-99"	1	X						5-22-23	1510	X		X

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Reinquinshed By: *[Signature]* Date: 5-23-23 Time: 1528
 Received By: *[Signature]* Date:
 Time:
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 REMARKS: 29 Hr T&T

Delivered By: (Circle One) Observed Temp. °C: 26 Sample Condition: Intact Cool Intact Yes No
 Corrected Temp. °C: 20 Checked By: (Initials) *[Signature]*
 Sampler - UPS - Bus - Other: Turmaround Time: Standard Rush Bacteria (only) Sample Condition: Observed Temp. °C: Corrected Temp. °C:

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 24, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/22/23 15:28.

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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 24-May-23 16:19
--	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WW 2 - 1 (0-8")	H232590-01	Soil	22-May-23 14:30	22-May-23 15:28
WW 3 - 1 (0-8")	H232590-02	Soil	22-May-23 14:40	22-May-23 15:28
G 11 96-99"	H232590-03	Soil	22-May-23 14:45	22-May-23 15:28
G 33 96-99"	H232590-04	Soil	22-May-23 14:50	22-May-23 15:28
G 35 96-99"	H232590-05	Soil	22-May-23 14:55	22-May-23 15:28
G 36 96-99"	H232590-06	Soil	22-May-23 15:00	22-May-23 15:28
G 37 96-99"	H232590-07	Soil	22-May-23 15:05	22-May-23 15:28
G 38 96-99"	H232590-08	Soil	22-May-23 15:10	22-May-23 15:28

05/24/23 - Client changed the sample ID of -01 and -02 (see COC). This is the revised report and will replace the one sent earlier today, 05/24/23.

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 24-May-23 16:19
--	--	------------------------------

**WW 2 - 1 (0-8')
H232590-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	3052407	AC	24-May-23	4500-Cl-B	
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*=Accredited Analyte

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 24-May-23 16:19
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**WW 3 - 1 (0-8')
H232590-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	3052407	AC	24-May-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 24-May-23 16:19
--	--	------------------------------

G 11 96-99"
H232590-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	240		16.0	mg/kg	4	3052407	AC	24-May-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 24-May-23 16:19
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G 33 96-99"
H232590-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1020		16.0	mg/kg	4	3052407	AC	24-May-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 24-May-23 16:19
--	--	------------------------------

G 35 96-99"
H232590-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	2640		16.0	mg/kg	4	3052407	AC	24-May-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 24-May-23 16:19
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G 36 96-99"
H232590-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	3040		16.0	mg/kg	4	3052407	AC	24-May-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 24-May-23 16:19
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G 37 96-99"
H232590-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	2720		16.0	mg/kg	4	3052407	AC	24-May-23	4500-CI-B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 24-May-23 16:19
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G 38 96-99"
H232590-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	736		16.0	mg/kg	4	3052407	AC	24-May-23	4500-CI-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 24-May-23 16:19
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3052407 - 1:4 DI Water										
Blank (3052407-BLK1)										
Prepared & Analyzed: 24-May-23										
Chloride	ND	16.0	mg/kg							
LCS (3052407-BS1)										
Prepared & Analyzed: 24-May-23										
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (3052407-BSD1)										
Prepared & Analyzed: 24-May-23										
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Altamira
 Project Manager: Bryan Haney
 Address: 14229 Punta Bonaire
 City: Corpus Christi State: Texaszip: 78412
 Phone #: 361-658-3126 Fax #:
 Project #: NVONNM2303/001 Project Owner: Bryan Haney
 Project Name: Novo Gooch release
 Project Location: Loving New Mexico
 Sampler Name: O. Gonzalez, J. Gonzalez
 P.O. #: Direct Bill Novo
 Company: Oil and Gas
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	TPH	CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
4232590	2.1 (0.8.2) x 5/4/13		1							5-22-23	1430	X		X
	wwc-0-3		1							5-22-23	1440	X		X
	ww3t3-1 (0.8.)		1							5-22-23	1445	X		X
	6-11		1							5-22-23	1455	X		X
	6-33		1							5-22-23	1455	X		X
	6-35		1							5-22-23	1500	X		X
	6-36		1							5-22-23	1505	X		X
	6-37		1							5-22-23	1510	X		X
	6-38		1									X		X

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Refrinquished By: *[Signature]*
 Date: 5-23-23
 Time: 1528
 Received By: *[Signature]*
 Date:
 Time:
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 REMARKS: *customer request of sample ID changes still as*

Delivered By: (Circle One) UPS Bus Other:
 Observed Temp. °C: 26
 Corrected Temp. °C: 20
 Sample Condition: Cool Intact
 Checked By: *[Signature]*
 Turnaround Time:
 Standard Bacteria (only) Sample Condition
 Rush Cool Intact Observed Temp. °C
 Corrected Temp. °C

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 24, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/23/23 15:28.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/24/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 2 96-99" (H232632-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/24/2023	ND	432	108	400	3.64	
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	05/23/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	122 %	48.2-134							
Surrogate: 1-Chlorooctadecane	120 %	49.1-148							

Sample ID: G 3 96-99" (H232632-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/24/2023	ND	432	108	400	3.64	
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	05/23/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	118 %	48.2-134							
Surrogate: 1-Chlorooctadecane	114 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/24/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 4 96-99" (H232632-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	05/24/2023	ND	432	108	400	3.64	
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	05/23/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	117 %	48.2-134							
Surrogate: 1-Chlorooctadecane	113 %	49.1-148							

Sample ID: G 5 96-99" (H232632-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	05/24/2023	ND	432	108	400	3.64	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	23.2	10.0	05/23/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	734	10.0	05/23/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	43.2	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	126 %	48.2-134							
Surrogate: 1-Chlorooctadecane	125 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/24/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 6 96-99" (H232632-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	05/24/2023	ND	432	108	400	3.64	
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	05/23/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	213	10.0	05/23/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	88.4 %	48.2-134							
Surrogate: 1-Chlorooctadecane	87.4 %	49.1-148							

Sample ID: G 7 96-99" (H232632-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5680	16.0	05/24/2023	ND	432	108	400	3.64	
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	05/23/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	164	10.0	05/23/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	118 %	48.2-134							
Surrogate: 1-Chlorooctadecane	116 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/24/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 8 96-99" (H232632-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	05/24/2023	ND	432	108	400	3.64	
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	05/23/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	91.1	10.0	05/23/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>	<i>109 %</i>	<i>48.2-134</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>105 %</i>	<i>49.1-148</i>							

Sample ID: G 9 96-99" (H232632-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	05/24/2023	ND	432	108	400	3.64	
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	05/23/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	153	10.0	05/23/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>	<i>117 %</i>	<i>48.2-134</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>113 %</i>	<i>49.1-148</i>							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/24/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 10 96-99" (H232632-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	05/24/2023	ND	432	108	400	3.64	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	95.8	10.0	05/23/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	754	10.0	05/23/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	33.9	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 134 % 48.2-134
 Surrogate: 1-Chlorooctadecane 123 % 49.1-148

Sample ID: G 12 96-99" (H232632-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	05/24/2023	ND	432	108	400	3.64	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	38.7	10.0	05/23/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	387	10.0	05/23/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	10.6	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134
 Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/24/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 13 96-99" (H232632-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	05/24/2023	ND	432	108	400	3.64	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.5	10.0	05/23/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	206	10.0	05/23/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>	<i>102 %</i>	<i>48.2-134</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>102 %</i>	<i>49.1-148</i>							

Sample ID: G 14 96-99" (H232632-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/24/2023	ND	432	108	400	3.64	
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	05/23/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>	<i>102 %</i>	<i>48.2-134</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>99.1 %</i>	<i>49.1-148</i>							

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/24/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 15 96-99" (H232632-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1500	16.0	05/24/2023	ND	432	108	400	3.64	
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	05/23/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	112 %	48.2-134							
Surrogate: 1-Chlorooctadecane	108 %	49.1-148							

Sample ID: G 34 96-99" (H232632-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	05/24/2023	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	79.2	10.0	05/23/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	1710	10.0	05/23/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	96.3	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	133 %	48.2-134							
Surrogate: 1-Chlorooctadecane	134 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/24/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 39 96-99" (H232632-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1330	16.0	05/24/2023	ND	400	100	400	3.92	
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	05/24/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	11.3	10.0	05/24/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	<10.0	10.0	05/24/2023	ND					
Surrogate: 1-Chlorooctane	118 %	48.2-134							
Surrogate: 1-Chlorooctadecane	112 %	49.1-148							

Sample ID: G 40 96-99" (H232632-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	05/24/2023	ND	400	100	400	3.92	
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	05/24/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	<10.0	10.0	05/24/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	<10.0	10.0	05/24/2023	ND					
Surrogate: 1-Chlorooctane	105 %	48.2-134							
Surrogate: 1-Chlorooctadecane	103 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/24/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 41 96-99" (H232632-17)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	05/24/2023	ND	400	100	400	3.92	
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	05/24/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	<10.0	10.0	05/24/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	<10.0	10.0	05/24/2023	ND					
Surrogate: 1-Chlorooctane	99.9 %	48.2-134							
Surrogate: 1-Chlorooctadecane	96.2 %	49.1-148							

Sample ID: G 42 96-99" (H232632-18)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/24/2023	ND	400	100	400	3.92	
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	05/24/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	<10.0	10.0	05/24/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	<10.0	10.0	05/24/2023	ND					
Surrogate: 1-Chlorooctane	115 %	48.2-134							
Surrogate: 1-Chlorooctadecane	110 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/23/2023	Sampling Date:	05/23/2023
Reported:	05/24/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 46 96-99" (H232632-19)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1870	16.0	05/24/2023	ND	400	100	400	3.92	
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	05/24/2023	ND	191	95.7	200	2.86	
DRO >C10-C28*	130	10.0	05/24/2023	ND	167	83.5	200	7.26	
EXT DRO >C28-C36	<10.0	10.0	05/24/2023	ND					
Surrogate: 1-Chlorooctane	107 %	48.2-134							
Surrogate: 1-Chlorooctadecane	103 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Altamira	P.O. #: Direct Bill Novo
Project Manager: Bryan Haney	Company: Oil and Gas
Address: 14229 Punta Bonaire	City: Hobbs
City: Corpus Christi	State: Texas
Phone #: 361-658-3126	Fax #: 361-658-3126
Project #: NVONM2303/001	Project Owner: Bryan Haney
Project Name: Novo Goonch release	State: NM
Project Location: Loving New Mexico	Phone #: 505-393-2326
Sampler Name: O. Gonzalez, J. Gonzalez	Fax #: 505-393-2476

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			SAMPLING		DATE	TIME	BTEX	TPH	CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :							
H232633	1	G	1	X											5-23-23	1230	X	X	X
	2	G	1	X											5-23-23	1235	X	X	X
	3	G	1	X											5-23-23	1240	X	X	X
	4	G	1	X											5-23-23	1245	X	X	X
	5	G	1	X											5-23-23	1250	X	X	X
	6	G	1	X											5-23-23	1300	X	X	X
	7	G	1	X											5-23-23	1305	X	X	X
	8	G	1	X											5-23-23	1310	X	X	X
	9	G	1	X											5-23-23	1315	X	X	X

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Relinquished By: *[Signature]* Date: 5-23-23 Time: 15:28

Received By: *[Signature]* Date: 5-23-23 Time: 15:28

Verbal Result: Yes No Add'l Phone #: _____

Remarks: 24 Hr TAT

Delivered By: (Circle One) Observed Temp. °C: 26 Corrected Temp. °C: 20

Sampler - UPS - Bus - Other: Sample Condition Cool Intact Yes No

Checked By: *[Signature]*

Turnaround Time: Standard Rush Bacteria (only) Sample Condition Cool Intact Yes No

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Altamira	P.O. #: Direct Bill Novo
Project Manager: Bryan Haney	Company: Oil and Gas
Address: 14229 Punta Bonaire	Attn:
City: Corpus Christi	State: Texas
Phone #: 361-658-3126	Fax #: 78412
Project #: NVONM2303/001	Project Owner: Bryan Haney
Project Name: Novo Goonch release	City:
Project Location: Loving New Mexico	State: Zip:
Sampler Name: O. Gonzalez, J. Gonzalez	Phone #:
FOR LAB USE ONLY	Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	B T E X	T P H	C H L O R I D E S
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H2331638	G-13	Q6-QQ"	Q1	X						5-23-23	1370	X	X	X
	G-14	Q6-QQ"	Q1	X						5-23-23	1325	X	X	X
	G-15	Q6-QQ"	Q1	X						5-23-23	1330	X	X	X
	G-34	Q6-QQ"	Q1	X						5-23-23	1335	X	X	X
	G-39	Q6-QQ"	Q1	X						5-23-23	1340	X	X	X
	G-40	Q6-QQ"	Q1	X						5-23-23	1342	X	X	X
	G-41	Q6-QQ"	Q1	X						5-23-23	1344	X	X	X
	G-42	Q6-QQ"	Q1	X						5-23-23	1346	X	X	X
	G-46	Q6-QQ"	Q1	X						5-23-23	1348	X	X	X

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Relinquished By:	Date: 5-23-23	Received By:	Date: 5-23-23
Time: 1538	Time: 1538	Time:	Time:
Relinquished By:	Date:	Received By:	Date:
Time:	Time:	Time:	Time:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C: 36	Corrected Temp. °C: 30	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials)	Turnaround Time: Standard Rush <input checked="" type="checkbox"/>	Bacteria (only) Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sample Condition Observed Temp. °C: Corrected Temp. °C:
† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	REMARKS: 24 HG TAT						



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 26, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/25/23 13:05.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/25/2023	Sampling Date:	05/25/2023
Reported:	05/26/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: WW - 2 - 2 0-8' (H232667-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/25/2023	ND	416	104	400	3.77	
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	05/26/2023	ND	212	106	200	1.68	
DRO >C10-C28*	<10.0	10.0	05/26/2023	ND	189	94.5	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	05/26/2023	ND					
Surrogate: 1-Chlorooctane	99.8 %	48.2-134							
Surrogate: 1-Chlorooctadecane	97.0 %	49.1-148							

Sample ID: WW - 3 - 2 0-8' (H232667-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/25/2023	ND	416	104	400	3.77	
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	05/26/2023	ND	212	106	200	1.68	
DRO >C10-C28*	<10.0	10.0	05/26/2023	ND	189	94.5	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	05/26/2023	ND					
Surrogate: 1-Chlorooctane	93.3 %	48.2-134							
Surrogate: 1-Chlorooctadecane	97.5 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Altamira
 Project Manager: Bryan Haney
 Address: 14229 Punta Bonaire
 City: Corpus Christi State: Texas Zip: 78412
 Phone #: 361-658-3126 Fax #:
 Project #: NVONM2303/001 Project Owner: Bryan Haney
 Project Name: Novo Goonch release
 Project Location: Loving New Mexico
 Sample Name: O. Gonzalez, J. Gonzalez
 P.O. #: Direct Bill Novo
 Company: Oil and Gas
 Attn:
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	BTEX	TPH	CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL					
H332147	1 W-2-2	0-8'	01	X								5-25-23	0930	X	X	X
	2 W-3-2	0-8'	01	X								5-25-23	0950	X	X	X
				X										X	X	X
				X										X	X	X
				X										X	X	X
				X										X	X	X
				X										X	X	X
				X										X	X	X

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Relinquished By:
 Date: 5-25-23
 Time: 1305
 Received By:
 Date:
 Time:
 Turnaround Time: Standard Rush
 Thermometer ID #113
 Corrected Temp. °C: 5.4
 Bacteria (only)
 Cool Intact
 Sample Condition
 Observed Temp. °C: 6.0
 Corrected Temp. °C: 5.4
 Remarks: 24 Hr FAT



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 30, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/26/23 16:05.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/26/2023	Sampling Date:	05/26/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 4 120-123" (H232715-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	05/30/2023	ND	432	108	400	3.77	

Sample ID: G 5 120-123" (H232715-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	05/30/2023	ND	432	108	400	3.77	

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	05/27/2023	ND	180	90.2	200	7.56	
DRO >C10-C28*	217	10.0	05/27/2023	ND	184	91.8	200	6.22	
EXT DRO >C28-C36	15.1	10.0	05/27/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134
 Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/26/2023	Sampling Date:	05/26/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 6 120-123" (H232715-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	05/30/2023	ND	432	108	400	3.77	
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	05/27/2023	ND	180	90.2	200	7.56	
DRO >C10-C28*	228	10.0	05/27/2023	ND	184	91.8	200	6.22	
EXT DRO >C28-C36	14.5	10.0	05/27/2023	ND					
Surrogate: 1-Chlorooctane	98.5 %	48.2-134							
Surrogate: 1-Chlorooctadecane	103 %	49.1-148							

Sample ID: G 7 120-123" (H232715-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11100	16.0	05/30/2023	ND	432	108	400	3.77	
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	05/27/2023	ND	180	90.2	200	7.56	
DRO >C10-C28*	103	10.0	05/27/2023	ND	184	91.8	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	05/27/2023	ND					
Surrogate: 1-Chlorooctane	94.5 %	48.2-134							
Surrogate: 1-Chlorooctadecane	102 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/26/2023	Sampling Date:	05/26/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 8 120-123" (H232715-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15400	16.0	05/30/2023	ND	432	108	400	3.77	

Sample ID: G 9 120-123" (H232715-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15700	16.0	05/30/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	76.2	10.0	05/27/2023	ND	180	90.2	200	7.56	
DRO >C10-C28*	2560	10.0	05/27/2023	ND	184	91.8	200	6.22	
EXT DRO >C28-C36	158	10.0	05/27/2023	ND					

Surrogate: 1-Chlorooctane 116 % 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:	05/26/2023	Sampling Date:	05/26/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 10 120-123" (H232715-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2960	16.0	05/30/2023	ND	432	108	400	3.77	
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	05/27/2023	ND	180	90.2	200	7.56	
DRO >C10-C28*	20.5	10.0	05/27/2023	ND	184	91.8	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	05/27/2023	ND					
Surrogate: 1-Chlorooctane	86.8 %	48.2-134							
Surrogate: 1-Chlorooctadecane	92.0 %	49.1-148							

Sample ID: G 12 120-123" (H232715-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	05/30/2023	ND	432	108	400	3.77	
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	05/27/2023	ND	180	90.2	200	7.56	
DRO >C10-C28*	37.3	10.0	05/27/2023	ND	184	91.8	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	05/27/2023	ND					
Surrogate: 1-Chlorooctane	81.2 %	48.2-134							
Surrogate: 1-Chlorooctadecane	89.7 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/26/2023	Sampling Date:	05/26/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 13 120-123" (H232715-09)

Chloride, SM4500CI-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	05/30/2023	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1540	10.0	05/27/2023	ND	180	90.2	200	7.56	
DRO >C10-C28*	4090	10.0	05/27/2023	ND	184	91.8	200	6.22	
EXT DRO >C28-C36	173	10.0	05/27/2023	ND					

Surrogate: 1-Chlorooctane 332 % 48.2-134
 Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Sample ID: G 15 120-123" (H232715-10)

Chloride, SM4500CI-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	05/30/2023	ND	432	108	400	3.77	

Sample ID: G 33 120-123" (H232715-11)

Chloride, SM4500CI-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	05/30/2023	ND	432	108	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/26/2023	Sampling Date:	05/26/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 34 120-123" (H232715-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	05/30/2023	ND	432	108	400	3.77	
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	05/27/2023	ND	180	90.2	200	7.56	
DRO >C10-C28*	35.9	10.0	05/27/2023	ND	184	91.8	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	05/27/2023	ND					
Surrogate: 1-Chlorooctane	90.7 %	48.2-134							
Surrogate: 1-Chlorooctadecane	96.4 %	49.1-148							

Sample ID: G 35 120-123" (H232715-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	05/30/2023	ND	432	108	400	3.64	

Sample ID: G 36 120-123" (H232715-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	05/30/2023	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	05/26/2023	Sampling Date:	05/26/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 37 120-123" (H232715-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	05/30/2023	ND	432	108	400	3.64	

Sample ID: G 38 120-123" (H232715-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	05/30/2023	ND	432	108	400	3.64	

Sample ID: G 39 120-123" (H232715-17)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	05/30/2023	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/26/2023	Sampling Date:	05/26/2023
Reported:	05/30/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 46 120-123" (H232715-18)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	05/30/2023	ND	432	108	400	3.64	
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	05/27/2023	ND	180	90.2	200	7.56	
DRO >C10-C28*	36.0	10.0	05/27/2023	ND	184	91.8	200	6.22	
EXT DRO >C28-C36	<10.0	10.0	05/27/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>	<i>80.1 %</i>	<i>48.2-134</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>89.6 %</i>	<i>49.1-148</i>							

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Altamira		BILL TO	
Project Manager: Bryan Haney	Address: 14229 Punta Bonaire	P.O. #: Direct Bill Novo	Company: Oil and Gas
City: Corpus Christi	State: Texaszip: 78412	Attn:	
Phone #: 361-658-3126	Fax #:	Address:	
Project #: NVONNM2303/001	Project Owner: Bryan Haney	City:	
Project Name: Novo Goonch Release	State: Zip:	State:	
Project Location: Loving New Mexico	Phone #:	Phone #:	
Sampler Name: J. Gonzalez	Fax #:	Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	TPH	CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:					
H232715	120-123"	C	1	X						5-26-23	1300	X	X	X
1	120-123"	C	1	X						5-26-23	1305	X	X	X
2	120-123"	C	1	X						5-26-23	1310	X	X	X
3	120-123"	C	1	X						5-26-23	1315	X	X	X
4	120-123"	C	1	X						5-26-23	1320	X	X	X
5	120-123"	C	1	X						5-26-23	1325	X	X	X
6	120-123"	C	1	X						5-26-23	1330	X	X	X
7	120-123"	C	1	X						5-26-23	1335	X	X	X
8	120-123"	C	1	X						5-26-23	1340	X	X	X
9	120-123"	C	1	X						5-26-23	1345	X	X	X
10	120-123"	C	1	X						5-26-23	1345	X	X	X

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Relinquished By:	Date: 5-26-23	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
Relinquished By:	Date: 11-05	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One) <input checked="" type="radio"/> UPS <input type="radio"/> Bus <input type="radio"/> Other:	Observed Temp. °C: 0.6	Corrected Temp. °C: 0.0	Turnaround Time: Standard Rush <input checked="" type="checkbox"/> Bacteria (only) Sample Condition Cool Intact <input checked="" type="checkbox"/> Observed Temp. °C: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No
Sampler - UPS - Bus - Other:	Checked BY:	Thermometer ID #13	Corrected Temp. °C: 78.5/26/23
REMARKS:	24 HR TAT		

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 05, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 06/02/23 16:37.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	06/02/2023	Sampling Date:	06/02/2023
Reported:	06/05/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 5 144-147" (H232817-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	06/05/2023	ND	416	104	400	7.41	
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	06/05/2023	ND	158	79.1	200	0.728	
DRO >C10-C28*	13.8	10.0	06/05/2023	ND	152	75.8	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>		78.5 %	48.2-134						
<i>Surrogate: 1-Chlorooctadecane</i>		77.5 %	49.1-148						

Sample ID: G 6 144-147" (H232817-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	06/05/2023	ND	416	104	400	7.41	
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	06/05/2023	ND	158	79.1	200	0.728	
DRO >C10-C28*	109	10.0	06/05/2023	ND	152	75.8	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					
<i>Surrogate: 1-Chlorooctane</i>		79.7 %	48.2-134						
<i>Surrogate: 1-Chlorooctadecane</i>		83.2 %	49.1-148						

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*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	06/02/2023	Sampling Date:	06/02/2023
Reported:	06/05/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 7 144-147" (H232817-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3720	16.0	06/05/2023	ND	448	112	400	11.3	
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	06/05/2023	ND	158	79.1	200	0.728	
DRO >C10-C28*	81.3	10.0	06/05/2023	ND	152	75.8	200	7.04	
EXT DRO >C28-C36	<10.0	10.0	06/05/2023	ND					
Surrogate: 1-Chlorooctane	84.0 %	48.2-134							
Surrogate: 1-Chlorooctadecane	85.2 %	49.1-148							

Sample ID: G 8 144-147" (H232817-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	06/05/2023	ND	448	112	400	11.3	

Sample ID: G 9 144-147" (H232817-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8480	16.0	06/05/2023	ND	448	112	400	11.3	

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	06/02/2023	Sampling Date:	06/02/2023
Reported:	06/05/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 10 144-147" (H232817-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	06/05/2023	ND	448	112	400	11.3	

Sample ID: G 12 144-147" (H232817-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1660	16.0	06/05/2023	ND	448	112	400	11.3	

Sample ID: G 13 144-147" (H232817-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20000	16.0	06/05/2023	ND	448	112	400	11.3	

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	06/05/2023	ND	158	79.1	200	0.728	
DRO >C10-C28*	173	10.0	06/05/2023	ND	152	75.8	200	7.04	
EXT DRO >C28-C36	11.2	10.0	06/05/2023	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134
 Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	06/02/2023	Sampling Date:	06/02/2023
Reported:	06/05/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 15 144-147" (H232817-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8080	16.0	06/05/2023	ND	448	112	400	11.3	

Sample ID: G 33 144-147" (H232817-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	06/05/2023	ND	448	112	400	11.3	

Sample ID: G 34 144-147" (H232817-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6640	16.0	06/05/2023	ND	448	112	400	11.3	

Sample ID: G 35 144-147" (H232817-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	06/05/2023	ND	448	112	400	11.3	

Sample ID: G 36 144-147" (H232817-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1650	16.0	06/05/2023	ND	448	112	400	11.3	

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* = Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	06/02/2023	Sampling Date:	06/02/2023
Reported:	06/05/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 37 144-147" (H232817-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	06/05/2023	ND	448	112	400	11.3	

Sample ID: G 38 144-147" (H232817-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	06/05/2023	ND	448	112	400	11.3	

Sample ID: G 39 144-147" (H232817-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	06/05/2023	ND	448	112	400	11.3	

Sample ID: G 46 144-147" (H232817-17)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8080	16.0	06/05/2023	ND	448	112	400	11.3	

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*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Altamira
 Project Manager: Bryan Haney
 Address: 14229 Punta Bonaire
 City: Corpus Christi State: Texas Zip: 78412
 Phone #: 361-658-3126 Fax #:
 Project #: NVONM2303/001 Project Owner: Bryan Haney
 Project Name: Novo Goonch release
 Project Location: Loving New Mexico
 Sampler Name: O. Gonzalez, J. Gonzalez
 P.O. #: Direct Bill Novo
 Company: Oil and Gas
 Attn:
 Address:
 City:
 State: zip:
 Phone #:
 Fax #:
 PRESERV:
 SAMPLING:
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	TPH	CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:					
1033817	6-5	C	1	X						6-22	1400	X		
2	6-6	C	1	X						6-23	1405	X		
3	6-7	C	1	X						6-23	1410	X		
4	6-8	C	1	X						6-23	1415	X		
5	6-9	C	1	X						6-23	1420	X		
6	6-10	C	1	X						6-23	1425	X		
7	6-12	C	1	X						6-23	1430	X		
8	6-13	C	1	X						6-23	1435	X		
9	6-15	C	1	X						6-23	1440	X		
10	6-33	C	1	X						6-23	1445	X		

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Relinquished By: *[Signature]* Date: 6-23 Time: 10:37
 Received By: *[Signature]* Date: 6-23 Time: 10:37
 CHECKED BY: *[Signature]*
 Verbal Results: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 REMARKS: 24 HOURS

Delivered By: (Circle One) Observed Temp. °C: 14 Corrected Temp. °C: 10
 Sampler - UPS - Bus - Other: Sample Condition: Cool Intact: Yes No Bacteria (only) Sample Condition: Cool Intact: Yes No
 Turaround Time: Standard Rush Thermometer ID #413 Correction Factor: -0.5°C
 † Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Altamira
 Project Manager: Bryan Haney
 Address: 14229 Punta Bonaire
 City: Corpus Christi State: Texas Zip: 78412
 Phone #: 361-658-3126 Fax #:
 Project #: NVONM2303/001 Project Owner: Bryan Haney
 Project Name: Novo Gooch release
 Project Location: Loving New Mexico
 Sampler Name: O. Gonzalez, J. Gonzalez
 P.O. #: Direct Bill Novo
 Company: Oil and Gas
 Attn:
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:
 PRESERV: ICE / COOL
 OTHER:
 MATRIX: SOIL OIL SLUDGE
 GROUNDWATER WASTEWATER
 # CONTAINERS:
 (G)RAB OR (C)OMP:
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	B	T	E	X	H	T	P	S	R	I	O	R	I	D	E	S
HA33817																								
11	G-34	144-147"	C	X			6-2-23	1450																
12	G-35	144-147"	C	X			6-2-23	1455																
13	G-36	144-147"	C	X			6-2-23	1500																
14	G-37	144-147"	C	X			6-2-23	1505																
15	G-38	144-147"	C	X			6-2-23	1510																
16	G-39	144-147"	C	X			6-2-23	1515																
17	G-46	144-147"	C	X			6-2-23	1520																

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 analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client. Its subcontractors, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, independent of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Date: 6-2-23 Time: 10:37
 Received By: Date:
 Time:
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 REMARKS: 24 HR FAT

Delivered By: (Circle One) Observed Temp. °C: 1.6 Corrected Temp. °C: 1.0
 Sampler - UPS - Bus - Other:
 Sample Condition: Cool Intact Yes No
 CHECKED BY: (Initials)
 Turntaround Time: Standard Bacteria (only) Sample Condition Cool Intact Yes No
 Thermometer ID #113 Correction Factor: -0.5°C
 Corrected Temp. °C:
 † Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 07, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 06/02/23 16:37.

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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G 5 144-147"	H232817-01	Soil	02-Jun-23 14:00	02-Jun-23 16:37
G 6 144-147"	H232817-02	Soil	02-Jun-23 14:05	02-Jun-23 16:37
G 7 144-147"	H232817-03	Soil	02-Jun-23 14:10	02-Jun-23 16:37
G 8 144-147"	H232817-04	Soil	02-Jun-23 14:15	02-Jun-23 16:37
G 9 144-147"	H232817-05	Soil	02-Jun-23 14:20	02-Jun-23 16:37
G 10 144-147"	H232817-06	Soil	02-Jun-23 14:25	02-Jun-23 16:37
G 12 144-147"	H232817-07	Soil	02-Jun-23 14:30	02-Jun-23 16:37
G 13 144-147"	H232817-08	Soil	02-Jun-23 14:35	02-Jun-23 16:37
G 15 144-147"	H232817-09	Soil	02-Jun-23 14:40	02-Jun-23 16:37
G 33 144-147"	H232817-10	Soil	02-Jun-23 14:45	02-Jun-23 16:37
G 34 144-147"	H232817-11	Soil	02-Jun-23 14:50	02-Jun-23 16:37
G 35 144-147"	H232817-12	Soil	02-Jun-23 14:55	02-Jun-23 16:37
G 36 144-147"	H232817-13	Soil	02-Jun-23 15:00	02-Jun-23 16:37
G 37 144-147"	H232817-14	Soil	02-Jun-23 15:05	02-Jun-23 16:37
G 38 144-147"	H232817-15	Soil	02-Jun-23 15:10	02-Jun-23 16:37
G 39 144-147"	H232817-16	Soil	02-Jun-23 15:15	02-Jun-23 16:37
G 46 144-147"	H232817-17	Soil	02-Jun-23 15:20	02-Jun-23 16:37

06/07/23 - Client added TPH to sample -05 (see COC). This is the revised report and will replace the one sent on 06/05/23.

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
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**G 5 144-147"
H232817-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	416		16.0	mg/kg	4	3060526	AC	05-Jun-23	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060226	MS	05-Jun-23	8015B	
DRO >C10-C28*	13.8		10.0	mg/kg	1	3060226	MS	05-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060226	MS	05-Jun-23	8015B	
Surrogate: 1-Chlorooctane			78.5 %	48.2-134		3060226	MS	05-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			77.5 %	49.1-148		3060226	MS	05-Jun-23	8015B	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
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G 6 144-147"
H232817-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	4800		16.0	mg/kg	4	3060526	AC	05-Jun-23	4500-CI-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060226	MS	05-Jun-23	8015B	
DRO >C10-C28*	109		10.0	mg/kg	1	3060226	MS	05-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060226	MS	05-Jun-23	8015B	
Surrogate: 1-Chlorooctane			79.7 %	48.2-134		3060226	MS	05-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			83.2 %	49.1-148		3060226	MS	05-Jun-23	8015B	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
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G 7 144-147"

H232817-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	3720		16.0	mg/kg	4	3060527	AC	05-Jun-23	4500-CI-B	QM-07
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060226	MS	05-Jun-23	8015B	
DRO >C10-C28*	81.3		10.0	mg/kg	1	3060226	MS	05-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060226	MS	05-Jun-23	8015B	

Surrogate: 1-Chlorooctane			84.0 %	48.2-134		3060226	MS	05-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			85.2 %	49.1-148		3060226	MS	05-Jun-23	8015B	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
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G 8 144-147"
H232817-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	4960		16.0	mg/kg	4	3060527	AC	05-Jun-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
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G 9 144-147"

H232817-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	8480		16.0	mg/kg	4	3060527	AC	05-Jun-23	4500-CI-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	32.9		10.0	mg/kg	1	3060606	MS	06-Jun-23	8015B	
DRO >C10-C28*	1760		10.0	mg/kg	1	3060606	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	164		10.0	mg/kg	1	3060606	MS	06-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			105 %	48.2-134		3060606	MS	06-Jun-23	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			101 %	49.1-148		3060606	MS	06-Jun-23	8015B	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
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G 10 144-147"
H232817-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1150		16.0	mg/kg	4	3060527	AC	05-Jun-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
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G 12 144-147"
H232817-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1660		16.0	mg/kg	4	3060527	AC	05-Jun-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
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G 13 144-147"

H232817-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	20000		16.0	mg/kg	4	3060527	AC	05-Jun-23	4500-CI-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060226	MS	05-Jun-23	8015B	
DRO >C10-C28*	173		10.0	mg/kg	1	3060226	MS	05-Jun-23	8015B	
EXT DRO >C28-C36	11.2		10.0	mg/kg	1	3060226	MS	05-Jun-23	8015B	

Surrogate: 1-Chlorooctane			78.4 %	48.2-134		3060226	MS	05-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			83.6 %	49.1-148		3060226	MS	05-Jun-23	8015B	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
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G 15 144-147"
H232817-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	8080		16.0	mg/kg	4	3060527	AC	05-Jun-23	4500-Cl-B	
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Analytical Results For:

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G 33 144-147"
H232817-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1200		16.0	mg/kg	4	3060527	AC	05-Jun-23	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
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G 34 144-147"
H232817-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	6640		16.0	mg/kg	4	3060527	AC	05-Jun-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
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G 35 144-147"
H232817-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1090		16.0	mg/kg	4	3060527	AC	05-Jun-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
--	--	------------------------------

G 36 144-147"
H232817-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1650		16.0	mg/kg	4	3060527	AC	05-Jun-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
--	--	------------------------------

G 37 144-147"
H232817-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1840		16.0	mg/kg	4	3060527	AC	05-Jun-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
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G 38 144-147"
H232817-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1140		16.0	mg/kg	4	3060527	AC	05-Jun-23	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
--	--	------------------------------

G 39 144-147"
H232817-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	848		16.0	mg/kg	4	3060527	AC	05-Jun-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
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G 46 144-147"
H232817-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	8080		16.0	mg/kg	4	3060527	AC	05-Jun-23	4500-Cl-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
--	--	------------------------------

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3060526 - 1:4 DI Water

Blank (3060526-BLK1)		Prepared & Analyzed: 05-Jun-23								
Chloride	ND	16.0	mg/kg							
LCS (3060526-BS1)		Prepared & Analyzed: 05-Jun-23								
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3060526-BSD1)		Prepared & Analyzed: 05-Jun-23								
Chloride	448	16.0	mg/kg	400		112	80-120	7.41	20	

Batch 3060527 - 1:4 DI Water

Blank (3060527-BLK1)		Prepared & Analyzed: 05-Jun-23								
Chloride	ND	16.0	mg/kg							
LCS (3060527-BS1)		Prepared & Analyzed: 05-Jun-23								
Chloride	448	16.0	mg/kg	400		112	80-120			
LCS Dup (3060527-BSD1)		Prepared & Analyzed: 05-Jun-23								
Chloride	400	16.0	mg/kg	400		100	80-120	11.3	20	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3060226 - General Prep - Organics

Blank (3060226-BLK1)		Prepared: 02-Jun-23 Analyzed: 05-Jun-23								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	42.9		mg/kg	49.6		86.6	48.2-134			
Surrogate: 1-Chlorooctadecane	42.8		mg/kg	50.0		85.5	49.1-148			

LCS (3060226-BS1)		Prepared: 02-Jun-23 Analyzed: 05-Jun-23								
GRO C6-C10	158	10.0	mg/kg	200		79.1	78.5-124			
DRO >C10-C28	152	10.0	mg/kg	200		75.8	72.5-126			
Total TPH C6-C28	310	10.0	mg/kg	400		77.5	77.6-123			BS-3
Surrogate: 1-Chlorooctane	40.0		mg/kg	49.6		80.6	48.2-134			
Surrogate: 1-Chlorooctadecane	37.8		mg/kg	50.0		75.5	49.1-148			

LCS Dup (3060226-BSD1)		Prepared: 02-Jun-23 Analyzed: 05-Jun-23								
GRO C6-C10	157	10.0	mg/kg	200		78.5	78.5-124	0.728	17.7	
DRO >C10-C28	163	10.0	mg/kg	200		81.4	72.5-126	7.04	21	
Total TPH C6-C28	320	10.0	mg/kg	400		80.0	77.6-123	3.15	18.5	
Surrogate: 1-Chlorooctane	38.6		mg/kg	49.6		77.8	48.2-134			
Surrogate: 1-Chlorooctadecane	36.7		mg/kg	50.0		73.4	49.1-148			

Batch 3060606 - General Prep - Organics

Blank (3060606-BLK1)		Prepared & Analyzed: 06-Jun-23								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	40.0		mg/kg	49.6		80.7	48.2-134			
Surrogate: 1-Chlorooctadecane	41.0		mg/kg	50.0		82.0	49.1-148			

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 07-Jun-23 09:18
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3060606 - General Prep - Organics

LCS (3060606-BS1)

Prepared & Analyzed: 06-Jun-23

GRO C6-C10	191	10.0	mg/kg	200		95.7	78.5-124			
DRO >C10-C28	171	10.0	mg/kg	200		85.4	72.5-126			
Total TPH C6-C28	362	10.0	mg/kg	400		90.6	77.6-123			
Surrogate: 1-Chlorooctane	43.8		mg/kg	49.6		88.4	48.2-134			
Surrogate: 1-Chlorooctadecane	42.9		mg/kg	50.0		85.8	49.1-148			

LCS Dup (3060606-BSD1)

Prepared & Analyzed: 06-Jun-23

GRO C6-C10	192	10.0	mg/kg	200		95.9	78.5-124	0.162	17.7	
DRO >C10-C28	171	10.0	mg/kg	200		85.6	72.5-126	0.176	21	
Total TPH C6-C28	363	10.0	mg/kg	400		90.7	77.6-123	0.169	18.5	
Surrogate: 1-Chlorooctane	44.8		mg/kg	49.6		90.4	48.2-134			
Surrogate: 1-Chlorooctadecane	43.4		mg/kg	50.0		86.9	49.1-148			

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- 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. Keene, Lab Director/Quality Manager



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Laboratories

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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

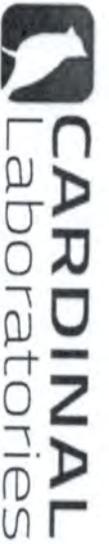
Company Name: Altamira
 Project Manager: Bryan Haney
 Address: 14229 Punta Bonaire
 City: Corpus Christi State: Texas zip: 78412
 Phone #: 361-658-3126 Fax #:
 Project #: NVONNM2303/001 Project Owner: Bryan Haney
 Project Name: Novo Goonch release
 Project Location: Loving New Mexico
 Sampler Name: O. Gonzalez, J. Gonzalez
 P.O. #: Direct Bill Novo
 Company: Oil and Gas
 Attn:
 Address:
 City:
 State:
 Zip:
 Fax #:
 Phone #:
 Date: 6-2-23

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	B T E X	T P H	C H L O R I D E S	TPH added 6/6/23
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :								
1035817	65		1			X					6-2-23	1400	X	X	X		
	66		1			X					6-2-23	1405	X	X	X		
	67		1			X					6-2-23	1410	X	X	X		
	68		1			X					6-2-23	1415	X	X	X		
	69		1			X					6-2-23	1420	X	X	X		
	70		1			X					6-2-23	1425	X	X	X		
	8		1			X					6-2-23	1430	X	X	X		
	9		1			X					6-2-23	1435	X	X	X		
	10		1			X					6-2-23	1440	X	X	X		
	633		1			X					6-2-23	1445	X	X	X		

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Relinquished By: *[Signature]* Date: 6-2-23 Time: 10:37
 Received By: *[Signature]* Date:
 Time:
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 REMARKS:
 Turnaround Time: Standard Rush
 Thermometer ID #113
 Corrosion Factor -0.5°C
 Bacteria (only)
 Cool Intact
 Yes No
 Sample Condition Observed Temp. °C
 Corrected Temp. °C

Delivered By: (Circle One) UPS Bus Other:
 Observed Temp. °C: 116
 Corrected Temp. °C: 110
 Sample Condition: Cool Intact
 Yes No
 Checked By: *[Signature]*
 Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Altamira
 Project Manager: Bryan Haney
 Address: 14229 Punta Bonaire
 City: Corpus Christi State: Texas Zip: 78412
 Phone #: 361-658-3126 Fax #:
 Project #: NVONM2303/001 Project Owner: Bryan Haney
 Project Name: Novo Gooch release
 Project Location: Loving New Mexico
 Sampler Name: O. Gonzalez, J. Gonzalez
 P.O. #: Direct Bill Novo
 Company: Oil and Gas
 Attn:
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	B T E X	T H	C H L O R I D E S
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
HQ33817																
11	G-34	144-147"	C	X							6-2-23	1450			X	
12	G-35	144-147"	C	X							6-2-23	1455			X	
13	G-36	144-147"	C	X							6-2-23	1500			X	
14	G-37	144-147"	C	X							6-2-23	1505			X	
15	G-38	144-147"	C	X							6-2-23	1510			X	
16	G-39	144-147"	C	X							6-2-23	1515			X	
17	G-46	144-147"	C	X							6-2-23	1520			X	

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Relinquished By: *[Signature]* Date: 6-2-23
 Received By: *[Signature]* Date: 6-2-23
 Time: 1437
 Verbal Results: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 REMARKS: 24 HR FAT

Delivered By: (Circle One) Observed Temp. °C: 1.6 Sample Condition: Intact Cool Intact
 Corrected Temp. °C: 1.0 Yes No Yes No
 Checked By: (Initials) *[Signature]*
 Turnaround Time: Standard Rush Bacteria (only) Sample Condition
 Thermometer ID #113 Cool Intact Observed Temp. °C
 Correction Factor: -0.5°C Yes No No Corrected Temp. °C

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



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June 12, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 06/09/23 16:43.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 6 168-171" (H232982-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	06/12/2023	ND	432	108	400	3.64	
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	06/12/2023	ND	186	92.9	200	16.7	
DRO >C10-C28*	95.0	10.0	06/12/2023	ND	195	97.7	200	16.0	
EXT DRO >C28-C36	29.9	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134
 Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

Sample ID: G 7 168-171" (H232982-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	06/12/2023	ND	432	108	400	3.64	

Sample ID: G 8 168-171" (H232982-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	06/12/2023	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 9 168-171" (H232982-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	06/12/2023	ND	432	108	400	3.64	

Sample ID: G 34 168-171" (H232982-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	06/12/2023	ND	432	108	400	3.64	

Sample ID: G 35 168-171" (H232982-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	06/12/2023	ND	432	108	400	3.64	

Sample ID: G 36 168-171" (H232982-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	06/12/2023	ND	432	108	400	3.64	

Sample ID: G 37 168-171" (H232982-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	06/12/2023	ND	432	108	400	3.64	

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Analytical Results For:

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

Received:	06/09/2023	Sampling Date:	06/09/2023
Reported:	06/12/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 38 168-171" (H232982-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	06/12/2023	ND	432	108	400	3.64	

Sample ID: G 39 168-171" (H232982-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	06/12/2023	ND	432	108	400	3.64	

Sample ID: G 46 168-171" (H232982-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1650	16.0	06/12/2023	ND	432	108	400	3.64	

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Altamira		BILL TO	
Project Manager: Bryan Haney	P.O. #: Direct Bill Novo		
Address: 14229 Punta Bonaire	Company: Oil and Gas		
City: Corpus Christi State: Texas Zip: 78412	Attn:		
Phone #: 361-658-3126 Fax #: _____	Address:		
Project #: NVONM2303/001 Project Owner: Bryan Haney	City:		
Project Name: Novo Goonch Release	State:		
Project Location: Loving New Mexico	Phone #:		
Sampler Name: J. Gonzalez	Fax #:		

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	BTEX	TPH	CHLORIDES	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :								
H233982	G46	168-171"	1	X	X	X	X	X	X	X	X	6-9-23	1450	X	X	X	X
				X	X	X	X	X	X	X	X			X	X	X	X
				X	X	X	X	X	X	X	X			X	X	X	X
				X	X	X	X	X	X	X	X			X	X	X	X
				X	X	X	X	X	X	X	X			X	X	X	X
				X	X	X	X	X	X	X	X			X	X	X	X
				X	X	X	X	X	X	X	X			X	X	X	X
				X	X	X	X	X	X	X	X			X	X	X	X
				X	X	X	X	X	X	X	X			X	X	X	X
				X	X	X	X	X	X	X	X			X	X	X	X

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Retinquished By: _____	Date: 8-9-23	Received By: <i>Juanita White</i>	Time: 1643	Observed Temp. °C: 5.3	Corrected Temp. °C: 4.7	Sample Condition: <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: _____ (Initials)	Turnaround Time: 24 HR FAX	Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Sample Condition: <input type="checkbox"/> Observed Temp. °C
Delivered By: (Circle One)	Sampler - UPS - Bus - Other:	Retinquished By: _____	Date: _____	Observed Temp. °C: _____	Corrected Temp. °C: _____	Sample Condition: <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: _____ (Initials)	Turnaround Time: _____	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Sample Condition: <input type="checkbox"/> Observed Temp. °C



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 14, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 06/09/23 16:43.

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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 14-Jun-23 11:02
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G 6 168-171"	H232982-01	Soil	09-Jun-23 14:30	09-Jun-23 16:43
G 7 168-171"	H232982-02	Soil	09-Jun-23 14:32	09-Jun-23 16:43
G 8 168-171"	H232982-03	Soil	09-Jun-23 14:34	09-Jun-23 16:43
G 9 168-171"	H232982-04	Soil	09-Jun-23 14:36	09-Jun-23 16:43
G 34 168-171"	H232982-05	Soil	09-Jun-23 14:38	09-Jun-23 16:43
G 35 168-171"	H232982-06	Soil	09-Jun-23 14:40	09-Jun-23 16:43
G 36 168-171"	H232982-07	Soil	09-Jun-23 14:42	09-Jun-23 16:43
G 37 168-171"	H232982-08	Soil	09-Jun-23 14:44	09-Jun-23 16:43
G 38 168-171"	H232982-09	Soil	09-Jun-23 14:46	09-Jun-23 16:43
G 39 168-171"	H232982-10	Soil	09-Jun-23 14:48	09-Jun-23 16:43
G 46 168-171"	H232982-11	Soil	09-Jun-23 14:50	09-Jun-23 16:43

06/14/23 - Client added TPH to sample -04 (see COC). This is the revised report and will replace the one sent on 06/12/23.

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 14-Jun-23 11:02
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**G 6 168-171"
H232982-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1220		16.0	mg/kg	4	3061208	AC	12-Jun-23	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3061202	MS	12-Jun-23	8015B	
DRO >C10-C28*	95.0		10.0	mg/kg	1	3061202	MS	12-Jun-23	8015B	
EXT DRO >C28-C36	29.9		10.0	mg/kg	1	3061202	MS	12-Jun-23	8015B	
Surrogate: 1-Chlorooctane			84.1 %	48.2-134		3061202	MS	12-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			92.2 %	49.1-148		3061202	MS	12-Jun-23	8015B	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 14-Jun-23 11:02
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G 7 168-171"
H232982-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	2400		16.0	mg/kg	4	3061208	AC	12-Jun-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 14-Jun-23 11:02
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G 8 168-171"

H232982-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	2200		16.0	mg/kg	4	3061208	AC	12-Jun-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 14-Jun-23 11:02
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**G 9 168-171"
H232982-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1720		16.0	mg/kg	4	3061208	AC	12-Jun-23	4500-CI-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3061316	MS	13-Jun-23	8015B	
DRO >C10-C28*	152		10.0	mg/kg	1	3061316	MS	13-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3061316	MS	13-Jun-23	8015B	

Surrogate: 1-Chlorooctane			99.3 %	48.2-134		3061316	MS	13-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			111 %	49.1-148		3061316	MS	13-Jun-23	8015B	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 14-Jun-23 11:02
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G 34 168-171"
H232982-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1220		16.0	mg/kg	4	3061208	AC	12-Jun-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 14-Jun-23 11:02
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G 35 168-171"
H232982-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	944		16.0	mg/kg	4	3061208	AC	12-Jun-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 14-Jun-23 11:02
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G 36 168-171"
H232982-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	640		16.0	mg/kg	4	3061208	AC	12-Jun-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 14-Jun-23 11:02
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G 37 168-171"
H232982-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1120		16.0	mg/kg	4	3061208	AC	12-Jun-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 14-Jun-23 11:02
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G 38 168-171"
H232982-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1470		16.0	mg/kg	4	3061208	AC	12-Jun-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 14-Jun-23 11:02
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G 39 168-171"
H232982-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	688		16.0	mg/kg	4	3061208	AC	12-Jun-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 14-Jun-23 11:02
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G 46 168-171"
H232982-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1650		16.0	mg/kg	4	3061208	AC	12-Jun-23	4500-CI-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 14-Jun-23 11:02
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3061208 - 1:4 DI Water										
Blank (3061208-BLK1)										
Prepared & Analyzed: 12-Jun-23										
Chloride	ND	16.0	mg/kg							
LCS (3061208-BS1)										
Prepared & Analyzed: 12-Jun-23										
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3061208-BSD1)										
Prepared & Analyzed: 12-Jun-23										
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 14-Jun-23 11:02
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3061202 - General Prep - Organics

Blank (3061202-BLK1)		Prepared & Analyzed: 12-Jun-23								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	33.2		mg/kg	49.6		67.0	48.2-134			
Surrogate: 1-Chlorooctadecane	35.6		mg/kg	50.0		71.1	49.1-148			

LCS (3061202-BS1)		Prepared & Analyzed: 12-Jun-23								
GRO C6-C10	186	10.0	mg/kg	200		92.9	78.5-124			
DRO >C10-C28	195	10.0	mg/kg	200		97.7	72.5-126			
Total TPH C6-C28	381	10.0	mg/kg	400		95.3	77.6-123			
Surrogate: 1-Chlorooctane	47.6		mg/kg	49.6		96.0	48.2-134			
Surrogate: 1-Chlorooctadecane	46.4		mg/kg	50.0		92.8	49.1-148			

LCS Dup (3061202-BSD1)		Prepared & Analyzed: 12-Jun-23								
GRO C6-C10	157	10.0	mg/kg	200		78.6	78.5-124	16.7	17.7	
DRO >C10-C28	167	10.0	mg/kg	200		83.3	72.5-126	16.0	21	
Total TPH C6-C28	324	10.0	mg/kg	400		80.9	77.6-123	16.3	18.5	
Surrogate: 1-Chlorooctane	39.1		mg/kg	49.6		79.0	48.2-134			
Surrogate: 1-Chlorooctadecane	39.4		mg/kg	50.0		78.8	49.1-148			

Batch 3061316 - General Prep - Organics

Blank (3061316-BLK1)		Prepared & Analyzed: 13-Jun-23								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	54.6		mg/kg	49.6		110	48.2-134			
Surrogate: 1-Chlorooctadecane	56.4		mg/kg	50.0		113	49.1-148			

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 14-Jun-23 11:02
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3061316 - General Prep - Organics

LCS (3061316-BS1)		Prepared & Analyzed: 13-Jun-23								
GRO C6-C10	195	10.0	mg/kg	200		97.3	78.5-124			
DRO >C10-C28	198	10.0	mg/kg	200		98.8	72.5-126			
Total TPH C6-C28	392	10.0	mg/kg	400		98.1	77.6-123			
Surrogate: 1-Chlorooctane	57.9		mg/kg	49.6		117	48.2-134			
Surrogate: 1-Chlorooctadecane	56.8		mg/kg	50.0		114	49.1-148			
LCS Dup (3061316-BSD1)		Prepared & Analyzed: 13-Jun-23								
GRO C6-C10	207	10.0	mg/kg	200		104	78.5-124	6.31	17.7	
DRO >C10-C28	214	10.0	mg/kg	200		107	72.5-126	8.02	21	
Total TPH C6-C28	421	10.0	mg/kg	400		105	77.6-123	7.18	18.5	
Surrogate: 1-Chlorooctane	57.4		mg/kg	49.6		116	48.2-134			
Surrogate: 1-Chlorooctadecane	57.0		mg/kg	50.0		114	49.1-148			

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Altamira
 Project Manager: Bryan Haney
 Address: 14229 Punta Bonaire
 City: Corpus Christi State: Texaszip: 78412
 Phone #: 361-658-3126 Fax #:
 Project #: NVONM2303/001 Project Owner: Bryan Haney
 Project Name: Novo Goonch Release
 Project Location: Loving New Mexico
 Sampler Name: J Gonzalez
 P.O. #: Direct Bill Novo
 Company: Oil and Gas
 Attn:
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	TPH	CHLORIDES	added TPH to 6/13/23
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						
H232982	1 G 6	C 1	1	X							X	X	X		
	2 G 7	C 1	1	X							X	X	X		
	3 G 8	C 1	1	X							X	X	X		
	4 G 9	C 1	1	X							X	X	X		
	5 G 34	C 1	1	X							X	X	X		
	6 G 35	C 1	1	X							X	X	X		
	7 G 36	C 1	1	X							X	X	X		
	8 G 37	C 1	1	X							X	X	X		
	9 G 38	C 1	1	X							X	X	X		
	10 G 39	C 1	1	X							X	X	X		

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Relinquished By:

Date: 6-9-23
 Time: 16:43

Received By:

Date: 6-9-23
 Time: 14:48

Turnaround Time: Standard Rush

Thermometer ID #113
 Correction Factor: -0.5°C

Bacteria (only) Cool Intact

Sample Condition Observed Temp. °C

Delivered By: (Circle One) UPS Bus Other

Observed Temp. °C: 5.3
 Corrected Temp. °C: 4.7

Checked By: (Initials) AP

Remarks: 24 Hg TAT

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 14, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 06/13/23 15:20.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	06/13/2023	Sampling Date:	06/13/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 12 168-171" (H233027-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	06/14/2023	ND	448	112	400	0.00	

Sample ID: G 13 168-171" (H233027-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	27600	16.0	06/14/2023	ND	448	112	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	06/14/2023	ND	185	92.4	200	6.40	
DRO >C10-C28*	116	10.0	06/14/2023	ND	191	95.5	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Sample ID: G 15 168-171" (H233027-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	06/14/2023	ND	448	112	400	0.00	

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Analytical Results For:

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

Received:	06/13/2023	Sampling Date:	06/13/2023
Reported:	06/14/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 33 168-171" (H233027-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	06/14/2023	ND	448	112	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Altamira
 Project Manager: Bryan Haney
 Address: 14229 Punta Bonaire
 City: Corpus Christi State: Texas Zip: 78412
 Phone #: 361-658-3126 Fax #:
 Project #: NVONNM2303/001 Project Owner: Bryan Haney
 Project Name: Novo Goonch Release
 Project Location: Loving New Mexico
 Sampler Name: J. Gonzalez
 P.O. #: Direct Bill Novo
 Company: Oil and Gas
 Attn:
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	BTEX	TPH	CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL					
H933027	1	C	1	X							6-13-23	0800	X	X	X	
	2	C	1	X							6-13-23	0805	X	X	X	
	3	C	1	X							6-13-23	0810	X	X	X	
	4	C	1	X							6-13-23	0815	X	X	X	

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Relinquished By: *[Signature]* Date: 6-13-23 Received By: *[Signature]* Date: 6-13-23
 Time: 1520
 Turnaround Time: Standard Rush Bacteria (only) Sample Condition Observed Temp. °C Corrected Temp. °C

Delivered By: (Circle One) UPS Bus Other:
 Observed Temp. °C: 0.6°C
 Corrected Temp. °C: 0.0
 Sample Condition: Cool Intact Yes No
 Checked By: *[Signature]*
 Remarks: 24 HR FAT
 Turnaround Time: Standard Rush Bacteria (only) Sample Condition Observed Temp. °C Corrected Temp. °C
 Thermometer ID #113
 Correction Factor -0.5°C
 Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 16, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 06/15/23 16:10.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 6 192-195" (H233103-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	175	87.3	200	1.95	
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	153	76.7	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane	91.3 %	48.2-134
Surrogate: 1-Chlorooctadecane	96.5 %	49.1-148

Sample ID: G 7 192-195" (H233103-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	06/16/2023	ND	400	100	400	3.92	

Sample ID: G 8 192-195" (H233103-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	06/16/2023	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 9 192-195" (H233103-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	06/16/2023	ND	400	100	400	3.92	
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	06/16/2023	ND	175	87.3	200	1.95	
DRO >C10-C28*	64.6	10.0	06/16/2023	ND	153	76.7	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					
Surrogate: 1-Chlorooctane	90.4 %	48.2-134							
Surrogate: 1-Chlorooctadecane	96.1 %	49.1-148							

Sample ID: G 10 168-171" (H233103-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	06/16/2023	ND	400	100	400	3.92	

Sample ID: G 34 192-195" (H233103-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4040	16.0	06/16/2023	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 35 192-195" (H233103-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1650	16.0	06/16/2023	ND	400	100	400	3.92	

Sample ID: G 36 192-195" (H233103-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	06/16/2023	ND	400	100	400	3.92	

Sample ID: G 37 192-195" (H233103-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	06/16/2023	ND	400	100	400	3.92	

Sample ID: G 38 192-195" (H233103-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	06/16/2023	ND	400	100	400	3.92	

Sample ID: G 39 192-195" (H233103-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	06/16/2023	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: G 46 192-195" (H233103-12)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	06/16/2023	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: NW - 2 0-16' (H233103-13)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2023	ND	2.07	103	2.00	3.93		
Toluene*	<0.050	0.050	06/16/2023	ND	1.93	96.5	2.00	2.09		
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	1.94	97.2	2.00	6.07		
Total Xylenes*	<0.150	0.150	06/16/2023	ND	5.88	98.0	6.00	6.84		
Total BTEX	<0.300	0.300	06/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	06/16/2023	ND	400	100	400	3.92		

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	06/16/2023	ND	175	87.3	200	1.95		
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	153	76.7	200	3.41		
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND						

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: NW - 4 0-16' (H233103-14)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2023	ND	2.07	103	2.00	3.93		
Toluene*	<0.050	0.050	06/16/2023	ND	1.93	96.5	2.00	2.09		
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	1.94	97.2	2.00	6.07		
Total Xylenes*	<0.150	0.150	06/16/2023	ND	5.88	98.0	6.00	6.84		
Total BTEX	<0.300	0.300	06/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	06/16/2023	ND	400	100	400	3.92		

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	06/16/2023	ND	175	87.3	200	1.95		
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	153	76.7	200	3.41		
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND						

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: WW - 3 - 1 0-16' (H233103-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/16/2023	ND	2.07	103	2.00	3.93	
Toluene*	<0.050	0.050	06/16/2023	ND	1.93	96.5	2.00	2.09	
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	1.94	97.2	2.00	6.07	
Total Xylenes*	<0.150	0.150	06/16/2023	ND	5.88	98.0	6.00	6.84	
Total BTEX	<0.300	0.300	06/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	175	87.3	200	1.95	
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	153	76.7	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: WW - 3 - 2 0-16' (H233103-16)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/16/2023	ND	2.07	103	2.00	3.93	
Toluene*	<0.050	0.050	06/16/2023	ND	1.93	96.5	2.00	2.09	
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	1.94	97.2	2.00	6.07	
Total Xylenes*	<0.150	0.150	06/16/2023	ND	5.88	98.0	6.00	6.84	
Total BTEX	<0.300	0.300	06/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460	16.0	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	175	87.3	200	1.95	
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	153	76.7	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: WW - 2 - 1 0-16' (H233103-17)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/16/2023	ND	2.07	103	2.00	3.93	
Toluene*	<0.050	0.050	06/16/2023	ND	1.93	96.5	2.00	2.09	
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	1.94	97.2	2.00	6.07	
Total Xylenes*	<0.150	0.150	06/16/2023	ND	5.88	98.0	6.00	6.84	
Total BTEX	<0.300	0.300	06/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	175	87.3	200	1.95	
DRO >C10-C28*	<10.0	10.0	06/16/2023	ND	153	76.7	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 69.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	06/15/2023	Sampling Date:	06/15/2023
Reported:	06/16/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: WW - 1 0-8' (H233103-18)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/16/2023	ND	2.07	103	2.00	3.93	
Toluene*	<0.050	0.050	06/16/2023	ND	1.93	96.5	2.00	2.09	
Ethylbenzene*	<0.050	0.050	06/16/2023	ND	1.94	97.2	2.00	6.07	
Total Xylenes*	<0.150	0.150	06/16/2023	ND	5.88	98.0	6.00	6.84	
Total BTEX	<0.300	0.300	06/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	06/16/2023	ND	400	100	400	3.92	

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	06/16/2023	ND	175	87.3	200	1.95	
DRO >C10-C28*	26.1	10.0	06/16/2023	ND	153	76.7	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 72.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Altamira
Project Manager: Bryan Haney
Address: 14229 Punta Bonaire
City: Corpus Christi State: Texas Zip: 78412
Phone #: 361-658-3126 Fax #: 78412
Project #: NVONM2303/001 Project Owner: Bryan Haney

P.O. #: Direct Bill Novo
Company: Oil and Gas
Attn:
Address:
City:
State: Zip:

FOR LAB USE ONLY
Sampler Name: J Gonzalez
Phone #: Zip:
Fax #:

Lab I.D. Sample I.D.
CONTAINERS
GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER:
ACID/BASE:
ICE / COOL
OTHER:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	CH L O R I D E S
H233103	1	0	1				6-15-23	1400	
	2	0	1				6-15-23	1402	
	3	0	1				6-15-23	1404	
	4	0	1				6-15-23	1406	
	5	0	1				6-15-23	1410	
	6	0	1				6-15-23	1412	
	7	0	1				6-15-23	1414	
	8	0	1				6-15-23	1416	
	9	0	1				6-15-23	1418	
	10	0	1				6-15-23	1418	

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Quished By: [Signature]
Date: 6-15-23
Time: 1416
Received By: [Signature]

Observed Temp. °C: 24
Corrected Temp. °C: 24
Sample Condition: Cool Intact
Checked By: [Signature]

Turnaround Time: Standard
Thermometer ID #113
Correction Factor -0.5°C
Bacteria (only) Sample Condition: Cool Intact
Observed Temp. °C: 24
Corrected Temp. °C: 24

Remarks: 24 hr TAT
Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 29, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 06/28/23 16:49.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	06/28/2023	Sampling Date:	06/28/2023
Reported:	06/29/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Shalyn Rodriguez
Project Location:	LOVING NM		

Sample ID: WW - 3 - 2A 0-16' (H233348-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/29/2023	ND	416	104	400	0.00	

Sample ID: NW - 2 + A 0-16' (H233348-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/29/2023	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Altamira
 Project Manager: Bryan Haney
 Address: 14229 Punta Bonaire
 City: Corpus Christi State: Texas Zip: 78412
 Phone #: 361-658-3126 Fax #:
 Project #: NVONMM2303/001 Project Owner: Bryan Haney
 Project Name: Novo Goonch Release
 Project Location: Loving New Mexico
 Sampler Name: J. Gonzalez
 P.O. #: Direct Bill Novo
 Company: Oil and Gas
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	SAMPLING	DATE	TIME	B	T	C	L	O	R	I	D	E	S
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:														
HW333348	WW-3-24	O	1	X	X	X	X	X	X	X	X	6-28-23	1400	X	X	X	X	X	X	X	X	X	X	X
Q	NW-2-A	O	1	X	X	X	X	X	X	X	X	6-28-23	1415	X	X	X	X	X	X	X	X	X	X	
		C		X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	
		C		X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	
		C		X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	
		C		X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	
		C		X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	
		C		X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	

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

Relinquished By: *[Signature]*
 Date: 6-28-23
 Time: 1049
 Received By: *[Signature]*
 Date:
 Time:
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 REMARKS: *24 HR TAT*

Delivered By: (Circle One) Observed Temp. °C: 4.1
 Corrected Temp. °C: 3.5
 Sample Condition: Cool Intact
 Checked By: *[Signature]*
 Turnaround Time: Standard Rush
 Thermometer ID #113
 Correction Factor: -0.5°C
 Bacteria (only) Sample Condition
 Cool Intact Observed Temp. °C
 Yes No Corrected Temp. °C
 Yes No

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 26, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/25/23 16:45.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	07/25/2023	Sampling Date:	07/25/2023
Reported:	07/26/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Shari Cisneros
Project Location:	LOVING NM		

Sample ID: G - 39 15.5-16' ROCK (H233886-01)

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/26/2023	ND	432	108	400	3.64	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Altamira P.O. #: Direct Bill Novo

Project Manager: Bryan Haney Company: Oil and Gas

Address: 14229 Punta Bonaire Attn: _____

City: Corpus Christi State: Texas Zip: 78412

Phone #: 361-658-3126 Fax #: _____

Project #: NVONM2303/001 Project Owner: Bryan Haney City: _____

Project Name: Novo Goonch Release State: _____ Zip: _____

Project Location: Loving New Mexico Phone #: _____

Sampler Name: J. Gonzalez Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	DATE	TIME	B	T	E	X	H	S	R	I	O	R
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:													
H2338810	G-39 15.5-16' Rock	C	1	X	X	X	X	X	X	X	7-25-23	1130	X	X	X	X	X	X	X	X	X	X	X
		C		X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	
		C		X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	
		C		X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	
		C		X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	
		C		X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	
		C		X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	
		C		X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	

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

Relinquished By: _____ Date: 11/25/23 Received By: Shawn Bivens

Relinquished By: _____ Date: 10/4/23 Received By: _____

Time: _____

Delivered By: (Circle One) Observed Temp. °C -0.9°C Sample Condition Checked BY: (Initials) MC

Sampler - UPS - Bus - Other: _____ Corrected Temp. °C _____

Turnaround Time: 140 Standard Bacteria (only) Sample Condition

Thermometer ID # 413 Rush Cool Infract Observed Temp. °C

Correction Factor 0.00 No Yes No Corrected Temp. °C

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 28, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/27/23 16:27.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/27/2023
Reported:	07/28/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Shari Cisneros
Project Location:	LOVING NM		

Sample ID: G 6 (201-204") (H233963-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/28/2023	ND	416	104	400	0.00	

Sample ID: G 7 (201-204") (H233963-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/28/2023	ND	416	104	400	0.00	

Sample ID: G 8 (201-204") (H233963-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/28/2023	ND	416	104	400	0.00	

Sample ID: G 9 (201-204") (H233963-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/28/2023	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/27/2023
Reported:	07/28/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Shari Cisneros
Project Location:	LOVING NM		

Sample ID: G 10 (201-204") (H233963-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/28/2023	ND	416	104	400	0.00	

Sample ID: G 13 (177-180") (H233963-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/28/2023	ND	416	104	400	0.00	

Sample ID: G 15 (177-180") (H233963-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/28/2023	ND	416	104	400	0.00	

Sample ID: G 33 (177-180") (H233963-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	07/28/2023	ND	416	104	400	0.00	

Sample ID: G 34 (201-204") (H233963-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/28/2023	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/27/2023	Sampling Date:	07/27/2023
Reported:	07/28/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Shari Cisneros
Project Location:	LOVING NM		

Sample ID: G 35 (201-204") (H233963-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/28/2023	ND	416	104	400	0.00	

Sample ID: G 36 (201-204") (H233963-11)

Chloride, SM4500CI-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	07/28/2023	ND	416	104	400	0.00	

Sample ID: G 37 (201-204") (H233963-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/28/2023	ND	416	104	400	0.00	

Sample ID: G 38 (201-204") (H233963-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1660	16.0	07/28/2023	ND	416	104	400	0.00	

Sample ID: G 46 (201-204") (H233963-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	07/28/2023	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Altamira
 Project Manager: Bryan Haney
 Address: 14229 Punta Bonaire
 City: Corpus Christi State: Texas Zip: 78412
 Phone #: 361-658-3126 Fax #: _____
 Project #: NVONM2303/001 Project Owner: Bryan Haney
 Project Name: Novo Goonch Release
 Project Location: Loving New Mexico
 Sampler Name: J. Gonzalez
 P.O. #: Direct Bill Novo
 Company: Oil and Gas
 Attn: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)COMP.	# CONTAINERS	MATRIX							PRESERV.	DATE	TIME	BTEX	TPH	CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:						
<u>H233963</u>																
<u>66</u>	<u>(201-204")</u>	<u>C</u>	<u>1</u>								<u>X</u>	<u>7-27-23</u>	<u>1240</u>			<u>X</u>
<u>67</u>	<u>(201-204")</u>	<u>C</u>	<u>1</u>									<u>11</u>	<u>1242</u>			<u>X</u>
<u>68</u>	<u>(201-204")</u>	<u>C</u>	<u>1</u>									<u>11</u>	<u>1244</u>			<u>X</u>
<u>69</u>	<u>(201-204")</u>	<u>C</u>	<u>1</u>									<u>11</u>	<u>1246</u>			<u>X</u>
<u>610</u>	<u>(201-204")</u>	<u>C</u>	<u>1</u>									<u>11</u>	<u>1248</u>			<u>X</u>
<u>613</u>	<u>(177-180")</u>	<u>C</u>	<u>1</u>									<u>11</u>	<u>1250</u>			<u>X</u>
<u>615</u>	<u>(177-180")</u>	<u>C</u>	<u>1</u>									<u>11</u>	<u>1252</u>			<u>X</u>
<u>633</u>	<u>(177-180")</u>	<u>C</u>	<u>1</u>									<u>11</u>	<u>1254</u>			<u>X</u>
<u>634</u>	<u>(201-204")</u>	<u>C</u>	<u>1</u>									<u>11</u>	<u>1256</u>			<u>X</u>
<u>635</u>	<u>(201-204")</u>	<u>C</u>	<u>1</u>									<u>11</u>	<u>1258</u>			<u>X</u>

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Relinquished By: _____ Date: 7/27/23 Received By: Shari Linnea
 Time: 10:27
 Date: _____
 Time: _____

Delivered By: (Circle One) UPS Bus Other
 Observed Temp. °C: 29.0
 Corrected Temp. °C: _____
 Sample Condition: Cool Intact
 CHECKED BY: (Initials) DL
 Turnaround Time: 140 Standard Rush
 Thermometer ID # 13 Bacteria (only)
 Corrected Factor: 0.83C Cool Intact Observed Temp. °C: _____
 Corrected Temp. °C: _____

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Altamira
Project Manager: Bryan Haney
Address: 14229 Punta Bonaire
City: Corpus Christi **State:** Texas **Zip:** 78412
Phone #: 361-658-3126 **Fax #:**
Project #: NVONNM2303/001 **Project Owner:** Bryan Haney
Project Name: Novo Goonch Release
Project Location: Loving New Mexico
Sampler Name: J. Gonzalez
FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	B	T	C
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
H233963																
11	G-36		1			X				X	7-27-23	1300	X	X	X	X
12	G-37		1			X				X	11	1302	X	X	X	X
13	G-38		1			X				X	11	1304	X	X	X	X
14	G-46		1			X				X	11	1306	X	X	X	X

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Relinquished By: [Signature] **Date:** 7/27/23
Relinquished By: [Signature] **Date:** 11-6-23
Received By: [Signature] **Date:** 7/27/23
Received By: [Signature] **Date:** 11-6-23
Time:
Time:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
Observed Temp. °C: 29°C
Corrected Temp. °C:
Sample Condition: Cool Intact Yes No
Checked By: [Signature]
Turnaround Time: 140
Standard Rush:
Bacteria (only) Sample Condition: Cool Intact Yes No
Corrected Temp. °C:
REMARKS: 24 hr TAT
 † Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 01, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/27/23 16:27.

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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 01-Aug-23 10:24
--	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G 6 (201-204")	H233963-01	Soil	27-Jul-23 12:40	27-Jul-23 16:27
G 7 (201-204")	H233963-02	Soil	27-Jul-23 12:42	27-Jul-23 16:27
G 8 (201-204")	H233963-03	Soil	27-Jul-23 12:44	27-Jul-23 16:27
G 9 (201-204")	H233963-04	Soil	27-Jul-23 12:46	27-Jul-23 16:27
G 10 (201-204")	H233963-05	Soil	27-Jul-23 12:48	27-Jul-23 16:27
G 13 (177-180")	H233963-06	Soil	27-Jul-23 12:50	27-Jul-23 16:27
G 15 (177-180")	H233963-07	Soil	27-Jul-23 12:52	27-Jul-23 16:27
G 33 (177-180")	H233963-08	Soil	27-Jul-23 12:54	27-Jul-23 16:27
G 34 (201-204")	H233963-09	Soil	27-Jul-23 12:56	27-Jul-23 16:27
G 35 (201-204")	H233963-10	Soil	27-Jul-23 12:58	27-Jul-23 16:27
G 36 (201-204")	H233963-11	Soil	27-Jul-23 13:00	27-Jul-23 16:27
G 37 (201-204")	H233963-12	Soil	27-Jul-23 13:02	27-Jul-23 16:27
G 38 (201-204")	H233963-13	Soil	27-Jul-23 13:04	27-Jul-23 16:27
G 46 (201-204")	H233963-14	Soil	27-Jul-23 13:06	27-Jul-23 16:27

08/01/23 - Client added TPH to sample -06 (see COC). This is the revised report and will replace the one sent on 07/28/23.

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 01-Aug-23 10:24
--	--	------------------------------

**G 6 (201-204")
H233963-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	240		16.0	mg/kg	4	3072825	AC	28-Jul-23	4500-Cl-B	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 01-Aug-23 10:24
--	--	------------------------------

**G 7 (201-204")
H233963-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	304		16.0	mg/kg	4	3072825	AC	28-Jul-23	4500-CI-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 01-Aug-23 10:24
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**G 8 (201-204")
H233963-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	416		16.0	mg/kg	4	3072825	AC	28-Jul-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 01-Aug-23 10:24
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**G 9 (201-204")
H233963-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	224		16.0	mg/kg	4	3072825	AC	28-Jul-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 01-Aug-23 10:24
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**G 10 (201-204")
H233963-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	3072825	AC	28-Jul-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 01-Aug-23 10:24
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G 13 (177-180")

H233963-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	272		16.0	mg/kg	4	3072825	AC	28-Jul-23	4500-CI-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3073110	MS	31-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3073110	MS	31-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3073110	MS	31-Jul-23	8015B	

Surrogate: 1-Chlorooctane			104 %	48.2-134		3073110	MS	31-Jul-23	8015B	
Surrogate: 1-Chlorooctadecane			107 %	49.1-148		3073110	MS	31-Jul-23	8015B	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 01-Aug-23 10:24
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**G 15 (177-180")
H233963-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	256		16.0	mg/kg	4	3072825	AC	28-Jul-23	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 01-Aug-23 10:24
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**G 33 (177-180")
H233963-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	448		16.0	mg/kg	4	3072825	AC	28-Jul-23	4500-CI-B	
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Analytical Results For:

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**G 34 (201-204")
H233963-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	160		16.0	mg/kg	4	3072825	AC	28-Jul-23	4500-CI-B	
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Analytical Results For:

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**G 35 (201-204")
H233963-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	192		16.0	mg/kg	4	3072825	AC	28-Jul-23	4500-CI-B	
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**G 36 (201-204")
H233963-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	3072825	AC	28-Jul-23	4500-CI-B	
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Analytical Results For:

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**G 37 (201-204")
H233963-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	160		16.0	mg/kg	4	3072825	AC	28-Jul-23	4500-CI-B	
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Analytical Results For:

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**G 38 (201-204")
H233963-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1660		16.0	mg/kg	4	3072825	AC	28-Jul-23	4500-CI-B	
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Analytical Results For:

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**G 46 (201-204")
H233963-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	560		16.0	mg/kg	4	3072825	AC	28-Jul-23	4500-CI-B	
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Analytical Results For:

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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3072825 - 1:4 DI Water										
Blank (3072825-BLK1)										
Prepared & Analyzed: 28-Jul-23										
Chloride	ND	16.0	mg/kg							
LCS (3072825-BS1)										
Prepared & Analyzed: 28-Jul-23										
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3072825-BSD1)										
Prepared & Analyzed: 28-Jul-23										
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

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Analytical Results For:

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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3073110 - General Prep - Organics

Blank (3073110-BLK1)			Prepared & Analyzed: 31-Jul-23							
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	41.1		mg/kg	50.0		82.2	48.2-134			
Surrogate: 1-Chlorooctadecane	42.3		mg/kg	50.0		84.7	49.1-148			

LCS (3073110-BS1)			Prepared & Analyzed: 31-Jul-23							
GRO C6-C10	190	10.0	mg/kg	200		95.0	66.4-123			
DRO >C10-C28	198	10.0	mg/kg	200		99.0	66.5-118			
Total TPH C6-C28	388	10.0	mg/kg	400		97.0	77.6-123			
Surrogate: 1-Chlorooctane	40.9		mg/kg	50.0		81.9	48.2-134			
Surrogate: 1-Chlorooctadecane	40.4		mg/kg	50.0		80.7	49.1-148			

LCS Dup (3073110-BSD1)			Prepared & Analyzed: 31-Jul-23							
GRO C6-C10	197	10.0	mg/kg	200		98.5	66.4-123	3.64	17.7	
DRO >C10-C28	204	10.0	mg/kg	200		102	66.5-118	3.04	21	
Total TPH C6-C28	401	10.0	mg/kg	400		100	77.6-123	3.33	18.5	
Surrogate: 1-Chlorooctane	47.7		mg/kg	50.0		95.3	48.2-134			
Surrogate: 1-Chlorooctadecane	48.0		mg/kg	50.0		96.1	49.1-148			

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Altamira
 Project Manager: Bryan Haney
 Address: 14229 Punta Bonaire
 City: Corpus Christi State: Texas Zip: 78412
 P.O. #: Direct Bill Novo
 Company: Oil and Gas
 Phone #: 361-658-3126 Fax #: 361-658-3126
 Address:
 Attn:
 Project #: NVONM2303/001 Project Owner: Bryan Haney
 City:
 State: Zip:
 Project Name: Novo Gorch Release
 State: Zip:
 Project Location: Loving New Mexico
 Phone #:
 Fax #:
 Sampler Name: J. Gonzalez

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	DATE	TIME	BTEX	TPH	CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						
4235963	(201-204")	C	1							X	7-27-23	1240	X		
	(201-204")	C	1							X	11	1242	X		
	(201-204")	C	1							X	11	1244	X		
	(201-204")	C	1							X	11	1246	X		
	(201-204")	C	1							X	11	1248	X		
	(177-180")	C	1							X	11	1250	X		
	(177-180")	C	1							X	11	1252	X		
	(177-180")	C	1							X	11	1254	X		
	(201-204")	C	1							X	11	1256	X		
	(201-204")	C	1							X	11	1258	X		

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Relinquished By: [Signature]
 Date: 7/27/23
 Time: 11:07
 Received By: [Signature]
 Date: 7/31/23
 Time: 11:07
 Remarks: 24 hr TAT

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other: UPS
 Observed Temp. °C: 29.0
 Corrected Temp. °C: []
 Sample Condition: Intact
 Cool Intact: Yes No
 CHECKED BY: [Signature]
 Turnaround Time: 140
 Standard Rush:
 Bacteria (only) Sample Condition:
 Cool Intact: Yes No
 Corrected Temp. °C: []



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Altamira
 Project Manager: Bryan Haney
 Address: 14229 Punta Bonaire
 City: Corpus Christi State: Texas Zip: 78412
 Phone #: 361-658-3126 Fax #:
 Project #: NVONM2303/001 Project Owner: Bryan Haney
 Project Name: Novo Gornch Release
 Project Location: Loving New Mexico
 Sampler Name: J. Gonzalez
 P.O. #: Direct Bill Novo
 Company: Oil and Gas
 Attn:
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV	SAMPLING	DATE	TIME	BTEX	TPH	CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
H233963	636		1								7-27-23	1300				
	637		1								11	1302				
	638		1								11	1304				
	646		1								11	1306				

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Relinquished By: *[Signature]* Date: 7/27/23
 Received By: *[Signature]* Date: 7/27/23
 Relinquished By: *[Signature]* Date: 7/27/23
 Received By: *[Signature]* Date: 7/27/23

REMARKS:
24 hr TAT

Delivered By: (Circle One) UPS Bus Other:
 Observed Temp. °C: 29°C
 Corrected Temp. °C:
 Sample Condition: Intact Broken
 Checked By: *[Signature]*
 Turnaround Time: 140
 Standard Rush:
 Bacteria (only) Sample Condition: Intact Broken
 Corrected Temp. °C:
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 02, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/01/23 16:20.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	08/01/2023	Sampling Date:	08/01/2023
Reported:	08/02/2023	Sampling Type:	Soil
Project Name:	NOVO GOONCH RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NVONM2303/001	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: SW - 3 0-16' (H234062-01)

Chloride, SM4500Cl-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	08/02/2023	ND	448	112	400	7.41	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Altamira **BILL TO** ANALYSIS REQUEST

Project Manager: Bryan Haney P.O. #: Direct Bill Novo
 Address: 14229 Punta Bonaire Company: Oil and Gas

City: Corpus Christi State: Texas Zip: 78412 Attn: _____
 Phone #: 361-658-3126 Fax #: _____ Address: _____

Project #: NVONM2303/001 Project Owner: Bryan Haney City: _____
 Project Name: Novo Goonch Release State: _____ Zip: _____

Project Location: Loving New Mexico Phone #: _____
 Sampler Name: J. Gonzalez Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	REMARKS	CHLORIDES
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						
<u>H234422</u>	<u>1 SW-3 0-16'</u>	<u>C</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>8/23</u>	<u>1410</u>	<u>See attached</u>	<u>X</u>	
		<u>C</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>X</u>	
		<u>C</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>X</u>	
		<u>C</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>X</u>	
		<u>C</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>X</u>	
		<u>C</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>X</u>	
		<u>C</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>X</u>	
		<u>C</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>X</u>	
		<u>C</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>X</u>	

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Relinquished By: [Signature] Date: 8/23 Time: 16:20
 Received By: [Signature] Date: _____ Time: _____

Delivered By: (Circle One) Observed Temp. °C -0.6 Sample Condition Cool Intact CHECKED BY: [Signature]
 Sampler - UPS - Bus - Other: Corrected Temp. °C Yes No Yes No

Turnaround Time: Standard Rush #1/46 #1/23 Bacteria (only) Yes No Sample Condition Observed Temp. °C Corrected Temp. °C
 Verbal Result: Yes No Add'l Phone #: _____
 All Results are emailed. Please provide Email address: _____
 REMARKS: 24 HRTAT



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 04, 2023

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO GOONCH RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/01/23 16:20.

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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 04-Aug-23 11:44
--	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 3 0-16'	H234062-01	Soil	01-Aug-23 14:10	01-Aug-23 16:20

08/04/23 - Client added BTEX and TPH to sample on 08/02/23. This is the revised report and will replace the one sent on 08/02/23.

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 04-Aug-23 11:44
--	--	------------------------------

**SW - 3 0-16'
H234062-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	3080217	AC	02-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080303	MS	04-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080303	MS	04-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080303	MS	04-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080303	MS	04-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080303	MS	04-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3080303	MS	04-Aug-23	8021B	
---------------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080306	MS	03-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080306	MS	03-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080306	MS	03-Aug-23	8015B	

Surrogate: 1-Chlorooctane			76.0 %	48.2-134		3080306	MS	03-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			77.9 %	49.1-148		3080306	MS	03-Aug-23	8015B	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 04-Aug-23 11:44
--	--	------------------------------

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3080217 - 1:4 DI Water										
Blank (3080217-BLK1)										
Prepared & Analyzed: 02-Aug-23										
Chloride	ND	16.0	mg/kg							
LCS (3080217-BS1)										
Prepared & Analyzed: 02-Aug-23										
Chloride	448	16.0	mg/kg	400		112	80-120			
LCS Dup (3080217-BSD1)										
Prepared & Analyzed: 02-Aug-23										
Chloride	416	16.0	mg/kg	400		104	80-120	7.41	20	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 04-Aug-23 11:44
--	--	------------------------------

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

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

Batch 3080303 - Volatiles

Blank (3080303-BLK1)

Prepared & Analyzed: 03-Aug-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0517		mg/kg	0.0500		103	71.5-134			

LCS (3080303-BS1)

Prepared & Analyzed: 03-Aug-23

Benzene	2.04	0.050	mg/kg	2.00		102	82.8-130			
Toluene	1.96	0.050	mg/kg	2.00		98.1	86-128			
Ethylbenzene	2.03	0.050	mg/kg	2.00		102	85.9-128			
m,p-Xylene	4.13	0.100	mg/kg	4.00		103	89-129			
o-Xylene	1.95	0.050	mg/kg	2.00		97.7	86.1-125			
Total Xylenes	6.09	0.150	mg/kg	6.00		101	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	71.5-134			

LCS Dup (3080303-BSD1)

Prepared & Analyzed: 03-Aug-23

Benzene	2.05	0.050	mg/kg	2.00		102	82.8-130	0.417	15.8	
Toluene	1.95	0.050	mg/kg	2.00		97.6	86-128	0.559	15.9	
Ethylbenzene	2.03	0.050	mg/kg	2.00		101	85.9-128	0.121	16	
m,p-Xylene	4.11	0.100	mg/kg	4.00		103	89-129	0.561	16.2	
o-Xylene	1.94	0.050	mg/kg	2.00		96.8	86.1-125	0.933	16.7	
Total Xylenes	6.05	0.150	mg/kg	6.00		101	88.2-128	0.680	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0510		mg/kg	0.0500		102	71.5-134			

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO GOONCH RELEASE Project Number: NVONM2303/001 Project Manager: BRYAN HANEY Fax To:	Reported: 04-Aug-23 11:44
--	--	------------------------------

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

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

Batch 3080306 - General Prep - Organics

Blank (3080306-BLK1)			Prepared & Analyzed: 03-Aug-23							
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	41.4		mg/kg	50.0		82.7	48.2-134			
Surrogate: 1-Chlorooctadecane	42.6		mg/kg	50.0		85.3	49.1-148			

LCS (3080306-BS1)			Prepared & Analyzed: 03-Aug-23							
GRO C6-C10	152	10.0	mg/kg	200		75.8	66.4-123			
DRO >C10-C28	139	10.0	mg/kg	200		69.4	66.5-118			
Total TPH C6-C28	290	10.0	mg/kg	400		72.6	77.6-123			BS-3
Surrogate: 1-Chlorooctane	41.5		mg/kg	50.0		82.9	48.2-134			
Surrogate: 1-Chlorooctadecane	44.3		mg/kg	50.0		88.5	49.1-148			

LCS Dup (3080306-BSD1)			Prepared & Analyzed: 03-Aug-23							
GRO C6-C10	169	10.0	mg/kg	200		84.5	66.4-123	10.8	17.7	
DRO >C10-C28	157	10.0	mg/kg	200		78.5	66.5-118	12.3	21	
Total TPH C6-C28	326	10.0	mg/kg	400		81.5	77.6-123	11.6	18.5	
Surrogate: 1-Chlorooctane	42.0		mg/kg	50.0		84.0	48.2-134			
Surrogate: 1-Chlorooctadecane	45.1		mg/kg	50.0		90.1	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 or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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 or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



(PLEASE PRINT)

Name PETE TRUJILLO

Phone No. (432) 215-5452

GENERATOR

NO. 631958

Operator No. _____
Operators Name Novo Oil & Gas
Address 1001 W. WILSHIRE BLVD
SUITE 206
City, State, Zip OKLAHOMA CITY, OK 73116
Phone No. (405) 286-4391

Permit/RRC No. _____
Lease/Well Name & No. Goodrich FC 0409-21411
County Foxy
API No. 30-015-46608
Rig Name & No. _____
AFE/PO No. _____

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

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENTS NAME PETE TRUJILLO

DATE

SIGNATURE

TRANSPORTER

Transporter's Name _____
Address _____
Phone No. _____

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

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. _____

Site Name/ Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

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

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



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

Company Man Contact Information

Name: PETE TRUJILLO Phone No. (432) 215-5950

GENERATOR

NO. 631963

Operator No. Operators Name: Novo Oil 3 EHS Address: 1001 W. WILSHIRE Blvd SUITE 206 City, State, Zip: OKLAHOMA CITY, OK 73116 Phone No.: (405) 256-4791

Permit/RRC No. Lease/Well Name & No.: BOONBY FA 24290 2144 County: EDDY API No.: 20-015-46608 Rig Name & No. AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and categories (NON-INJECTABLE WATERS, INJECTABLE WATERS, INTERNAL USE ONLY).

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

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

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENT'S NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Address Phone No. Driver's Name Print Name Phone No. Truck No.

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No. 28

Site Name/Permit No. Halfway Facility / NM1-006 Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 Phone No. 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Gauge (1st, 2nd), Received, Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, BS&W (%)

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



(PLEASE PRINT)

Company Man Contact information

Name: PETE TRUJILLO
Phone No. (405) 210-5400

GENERATOR

NO. 631962

Operator No. _____
Operators Name: MWD OIL 3 GAS
Address: 1001 W. WILSHIRE BLVD
SITE 206
City, State, Zip: OKLAHOMA CITY, OK 73116
Phone No.: (405) 286-4391

Permit/RRC No. _____
Lease/Well Name & No.: Boomer Fe 0409 - 21411
County: DDY
API No.: 30 015-46608
Rig Name & No.: M/A
AFE/PO No. _____

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

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

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

QUANTITY: 18 B - BARRELS, L - LIQUID, Y - YARDS, E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- MSDS Information
- RCRA Hazardous Waste Analysis
- Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENT'S NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name: K. DICK
Address: 1001 W. WILSHIRE BLVD
Phone No. _____

Driver's Name: PETE TRUJILLO
Print Name: _____
Phone No. _____
Truck No. 29

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 28

Site Name/Permit No.: Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No.: 575-393-1079

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

TANK BOTTOMS

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

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



(PLEASE PRINT)

Name: PETE TRAVILLO

Phone No. (432) 215-5452

GENERATOR

NO. 631964

Operator No.
Operators Name: 1706 on 3 GAS
Address: 1001 W. WILSHIRE BLVD
City, State, Zip: SALT LAKE CITY, UT 84119

Permit/RRC No.
Lease/Well Name & No.: BOONCH FC. 0409-214-41
County: EDDY
API No.: 30-015-46608
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount

Table with columns for Oil Based Muds, NON-INJECTABLE WATERS, and INJECTABLE WATERS. Includes rows for Washout Water, Completion Fluid, Produced Water, and Gathering Line Water/Waste.

WASTE GENERATION PROCESS: DRILLING, COMPLETION, PRODUCTION, GATHERING LINES

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

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

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

QUANTITY: 18 B - BARRELS, Y - YARDS, E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information, RCRA Hazardous Waste Analysis, Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENTS NAME: Pete Travillo

DATE: 09/29/23

SIGNATURE: [Signature]

TRANSPORTER

Transporter's Name: KODIAK
Address: CARLSBAD
Phone No.

Driver's Name: [Signature]
Print Name: [Signature]
Phone No.: 816 953 9541
Truck No.: 97

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

SHIPMENT DATE: 09/29/23

DRIVER'S SIGNATURE: [Signature]

DELIVERY DATE: 09/29/23

DRIVER'S SIGNATURE: [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No. 11

Site Name/Permit No.: Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220
Phone No.: 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms measurements. Columns: Feet, Inches, BS&W/BBLs Received, Free Water, Total Received, BS&W (%).

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

NAME (PRINT): [Signature]

DATE: 9/29/23

TITLE: [Signature]

SIGNATURE: [Signature]



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

Company Man Contact information

Generator information fields: Operator No., Operators Name (Howell Oil & Gas), Address (1001 W. WILSHIRE BLVD), City, State, Zip (OKLAHOMA CITY, OK 73116), Phone No. (405) 286-4391, Permit/RRC No., Lease/Well Name & No. (Beech TC 0409 214 H), County (Cady), API No. (30-015-46608), Rig Name & No. (D/A), AFE/PO No.

Table with 3 columns: Waste Type, Non-Injectable Waters, and Injectible Waters. Includes rows for Oil Based Muds, Water Based Muds, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, and Gas Plant Waste. Includes checkboxes for WASTE GENERATION PROCESS: DRILLING, COMPLETION, PRODUCTION, GATHERING LINES.

NON-EXEMPT E&P Waste/Service Identification and Amount. All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity. Non-Exempt Other: *please select from Non-Exempt Waste List on back.

QUANTITY: 18 B - BARRELS, L - LIQUID, Y - YARDS, E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)
[] RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
[X] RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
[] MSDS Information [] RCRA Hazardous Waste Analysis [] Other (Provide Description Below)
[] EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

TRANSPORTER information fields: Transporter's Name, Address, Phone No., Driver's Name, Print Name, Phone No., Truck No.

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

TRUCK TIME STAMP (IN: , OUT:), DISPOSAL FACILITY (Name/No. 575-393-1079, Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220), RECEIVING AREA (Name/No. 575-393-1079). Includes NORM READINGS TAKEN? and PASS THE PAINT FILTER TEST? (Circle One) YES NO.

TANK BOTTOMS table with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, BS&W (%).

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? NAME (PRINT) DATE TITLE SIGNATURE



(PLEASE PRINT)

Name PETE TRUJILLO

Phone No. (405) 258-4391

GENERATOR

NO. 631965

Operator No. _____
 Operators Name Novo Oil & Gas
 Address 1001 W. WILSHIRE Blvd
Suite 206
 City, State, Zip OKLAHOMA CITY OK 73116
 Phone No. (405) 258-4391

Permit/RRC No. _____
 Lease/Well Name & No. Boonch Fr 0409 21411
 County LeFlore
 API No. 30-015-46108
 Rig Name & No. _____
 AFE/PO No. _____

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

	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Muds	Washout Water (Non-Injectable)	Washout Water (Injectable)
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Muds	Produced Water (Non-Injectable)	Produced Water (Injectable)
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Produced Formation Solids		
Tank Bottoms		
E&P Contaminated Soil		
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 8 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

Pete Trujillo (PRINT) AUTHORIZED AGENTS NAME DATE SIGNATURE

TRANSPORTER

Transporter's Name TRUJILLO Driver's Name ROBERT S. HARRIS
 Address 1001 W. WILSHIRE Blvd Print Name ROBERT S. HARRIS
 Phone No. _____ Truck No. 91

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

4-29-23 SHIPMENT DATE [Signature] DRIVER'S SIGNATURE 4-29-23 DELIVERY DATE [Signature] DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. 11

Site Name/ Permit No. Halfway Facility / NM1-006 Phone No. 575-393-1079
 Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

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

TANK BOTTOMS

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

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

[Signature] NAME (PRINT) 4/29/23 DATE [Signature] TITLE [Signature] SIGNATURE



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

Company Man Contact Information

Name: Pete Trujillo

Phone No.: (407) 215-9152

GENERATOR

NO. 631969

Operator No.
Operators Name: Novo Oil & Gas
Address: 1001 W WILSHIRE Blvd SUITE 206
City, State, Zip: OKLAHOMA CITY OK 73116
Phone No.

Permit/RRC No.
Lease/Well Name & No.: BOONCHY Fr 0409 214 H
County: EDDY
API No.: 20-015-46608
Rig Name & No.
AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and volumes. Includes sub-sections for NON-INJECTABLE WATERS, INTERNAL USE ONLY, and INJECTABLE WATERS.

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY: 18 B - BARRELS, Y - YARDS, E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information
RCRA Hazardous Waste Analysis
Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENT'S NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name, Address, Phone No.

Driver's Name, Print Name, Phone No., Truck No.

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT:

Name/No.

Site Name/Permit No.: Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No.: 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms measurements: 1st Gauge, 2nd Gauge, Received, Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, BS&W (%)

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



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

Company Man Contact information

Name: PETE TRUJILLO Phone No. (432) 215 5452

GENERATOR

NO. 631966

Operator No. Operators Name: Nova Oil & Gas Address: 1001 W. WILSHIRE BLVD SUITE 206 City, State, Zip: OKLAHOMA CITY OK 73116 Phone No. (405) 286-4391

Permit/RRC No. Lease/Well Name & No. EAGLE TR 0409 - 27111 County: EDDY API No. 30-015-116608 Rig Name & No. AFE/PO No. 0/1A

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

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and categories (NON-INJECTABLE WATERS, INJECTABLE WATERS, INTERNAL USE ONLY).

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENT'S NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name: KODIAK Address: OAD/CSBA Phone No.

Driver's Name: JAGEL FRANCO Print Name: Phone No. 36 953 9841 Truck No. 93

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No. 575-393-1079 Site Name/Permit No. Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

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

TANK BOTTOMS

Table with columns for Tank Bottoms (Feet, Inches) and BSW/BBLS Received (Free Water, Total Received).

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



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

Company Man Contact Information

Name: PETE TRIVIA L-O Phone No. (432) 215-5452

GENERATOR

NO. 631967

Operator No. Operators Name: New Oil Gas Address: 1001 W. VILSHIRE Blvd SUMMIT 206 City, State, Zip: OKLAHOMA CITY, OK 73116 Phone No. (405) 386-4391

Permit/RRC No. Lease/Well Name & No.: GORCH FR 0409 21411 County: EDDY API No.: 30-015-4668 Rig Name & No. AFE/PO No.

Table with 3 columns: Waste Type, Non-Injectable Waters, and Injectible Waters. Includes rows for Oil Based Muds, Water Based Muds, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, and Gas Plant Waste.

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES. NON-EXEMPT E&P Waste/Service Identification and Amount. All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification) RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only) RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided) MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below) EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

TRANSPORTER: Transporter's Name: KADINK Address: CARLSBAD Driver's Name: KATHI SWIFT Print Name: KATHI SWIFT Phone No.: 505-216-67 Truck No.: 91

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below. SHIPMENT DATE: 4-29-23 DRIVER'S SIGNATURE: [Signature] DELIVERY DATE: 4-29-23 DRIVER'S SIGNATURE: [Signature]

TRUCK TIME STAMP: IN: OUT: DISPOSAL FACILITY: Name/No.: RECEIVING AREA: Name/No.: Site Name/Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 Phone No.: 575-393-1079 NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS table with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, and BS&W (%).

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? NAME (PRINT): DATE: TITLE: SIGNATURE:



Name PETE TRUJILLO

Phone No. (432) 215-5452

GENERATOR

NO. 631961

Operator No. _____
 Operators Name NOVO OIL & GAS
 Address 1001 W. WILSHIRE BLVD
SUITE 206
 City, State, Zip OKLAHOMA CITY, OK 73116
 Phone No. _____

Permit/RRC No. _____
 Lease/Well Name & No. BOONCH FC 0409 214 11
 County EMERY
 API No. 30-015-46608
 Rig Name & No. _____
 AFE/PO No. _____

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

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

PETE TRUJILLO
 (PRINT) AUTHORIZED AGENTS NAME

04/29/23
 DATE

[Signature]
 SIGNATURE

TRANSPORTER

Transporter's Name KODIAK
 Address CARLSBAD
 Phone No. _____

Driver's Name ABDOL FIANNO
 Print Name _____
 Phone No. 2869533941
 Truck No. _____

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

04/29/23
 SHIPMENT DATE

[Signature]
 DRIVER'S SIGNATURE

04/29/23
 DELIVERY DATE

[Signature]
 DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 11

Site Name/ Permit No. Halfway Facility / NM1-006
 Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

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

TANK BOTTOMS

1st Gauge	Feet	Inches
2nd Gauge		
Received		

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

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

[Signature]
 NAME (PRINT)

4/29/23
 DATE

[Signature]
 TITLE

[Signature]
 SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact information

(PLEASE PRINT)

Name Pete Trevillo

Phone No. (422) 215-5452

10 OPERATOR

Operator No. _____ NO. **631957**

Operators Name Novo Oil & Gas Permit/RRC No. _____

Address 1001 W. WILSHIRE BLVD Lease/Well Name & No. Goodrich EC 0409 214 11

Suite 206 County EDDY

City, State, Zip OKLAHOMA CITY, OK 73116 API No. 30-015-46608

Phone No. (405) 286-4391 Rig Name & No. _____

AFE/PO No. _____

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY	B - BARRELS	L - LIQUID	Y - YARDS	E - EACH
<u>18</u>				

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

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

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

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

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

Pete Trevillo (PRINT) AUTHORIZED AGENTS NAME 09/21/23 DATE Pete Trevillo SIGNATURE

TRANSPORTER

Transporter's Name KUBARK Driver's Name Jose L. Trevillo

Address CARLSBAD Print Name _____

Phone No. _____ Phone No. 786-953-9891

Truck No. 92

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

09/21/23 SHIPMENT DATE [Signature] DRIVER'S SIGNATURE 09/21/23 DELIVERY DATE [Signature] DRIVER'S SIGNATURE

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: _____ OUT: _____	Name/No. <u>3151</u>	
Site Name/Permit No. <u>Halfway Facility / NM1-006</u>	Phone No. <u>575-393-1079</u>	
Address <u>6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220</u>		
NORM READINGS TAKEN? (Circle One) YES <u>NO</u>	If YES, was reading > 50 micro roentgens? (circle one) YES <u>NO</u>	
PASS THE PAINT FILTER TEST? (Circle One) YES <u>NO</u>		

TANK BOTTOMS

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

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

[Signature] NAME (PRINT) 09/21/23 DATE [Signature] TITLE [Signature] SIGNATURE

Name: PETE TRUJILLO

Phone No. (432) 215-5452

GENERATOR

NO. 631960

Operator No.
Operators Name: Mingo Oil & Gas
Address: 1001 W. WILSHIRE BLVD SUITE 206
City, State, Zip: OKLAHOMA CITY, OK 73116
Phone No. (405) 286-4391

Permit/RRC No. Lease/Well Name & No.: 6000CH FC 0409 214 H
County: EDDY
API No.: 30-015-46608
Rig Name & No.
AFE/PO No.

Table with columns: Oil Based Muds, Water Based Muds, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, Gas Plant Waste. Sub-headers: NON-INJECTABLE WATERS, INJECTABLE WATERS, INTERNAL USE ONLY, OTHER EXEMPT WASTES.

WASTE GENERATION PROCESS: DRILLING, COMPLETION, PRODUCTION, GATHERING LINES
NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

QUANTITY: B - BARRELS, L - LIQUID, Y - YARDS, E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)
RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
MSDS Information, RCRA Hazardous Waste Analysis, Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)
(PRINT) AUTHORIZED AGENTS NAME: PETE TRUJILLO, DATE, SIGNATURE

TRANSPORTER

Transporter's Name: KODIAK
Address: CORICRAN
Phone No.

Driver's Name: RICHARD SORIANO
Print Name: RICHARD SORIANO
Phone No.
Truck No. 91

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
SHIPMENT DATE: 4-29-23, DRIVER'S SIGNATURE, DELIVERY DATE: 4-29-23, DRIVER'S SIGNATURE

Table with columns: TRUCK TIME STAMP (IN, OUT), DISPOSAL FACILITY, RECEIVING AREA (Name/No.). Includes Site Name/Permit No., Address, and NORM READINGS TAKEN? PASS THE PAINT FILTER TEST?

TANK BOTTOMS

Table for Tank Bottoms with columns: Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, BS&W (%)

I hereby certify that the above load material has been (circle one): ACCEPTED, DENIED, If denied, why?
NAME (PRINT), DATE, TITLE, SIGNATURE



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

Company Man Contact Information

Name: Pete Trevino Phone No. (427) 215-5452

GENERATOR

NO. 588873

Operator No. Operators Name: MUVO OIL 3 GAS Address: 1007 W. WHILSHIRE BLVD SUITE 206 City, State, Zip: OKLAHOMA CITY, OK 73116 Phone No. 405-286-4391

Permit/RRC No. Lease/Well Name & No.: BOONCH FE-0409-21411 County: EDDY 30-015-46608 API No. Rig Name & No. AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and volumes. Includes sub-sections for NON-INJECTABLE WATERS, INJECTABLE WATERS, and INTERNAL USE ONLY.

WASTE GENERATION PROCESS: [] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

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

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

Pete Trevino 24-04-23 [Signature] AUTHORIZED AGENTS NAME DATE SIGNATURE

TRANSPORTER

Transporter's Name: Kechan Driver's Name: Print Name: Phone No.: Truck No.:

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

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No.:

Site Name/ Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 Phone No.: 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BLS Received, Free Water, Total Received, and BS&W (%).

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

NAME (PRINT) DATE TITLE SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name PETE TRUJILLO

Phone No. (437) 215-5452

GENERATOR

NO. 588880

Operator No.
Operators Name Novo Oil & Gas
Address 1001 W. WILSHIRE BLVD. SUITE 206
City, State, Zip OKLAHOMA CITY, OK 73116
Phone No. (405) 286-4391

Permit/RRC No. Lease/Well Name & No. GOUCH FC. 0409. 21411
County EDDY
API No. 30-015-46608
Rig Name & No.
AFE/PO No.

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

Table with columns for waste types: Oil Based Muds, Oil Based Cuttings, Water Based Muds, Water Based Cuttings, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, Gas Plant Waste, NON-INJECTABLE WATERS, INJECTABLE WATERS, INTERNAL USE ONLY, OTHER EXEMPT WASTES.

WASTE GENERATION PROCESS: [] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information
RCRA Hazardous Waste Analysis
Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENTS NAME Pete Trujillo

DATE 4-27-23

SIGNATURE [Signature]

TRANSPORTER

Transporter's Name KO DIAK
Address CARLSBAD
Phone No.

Driver's Name ROSEL FRANCO
Print Name
Phone No. 286 953 9841
Truck No. 99

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

SHIPMENT DATE 04/23/23

DRIVER'S SIGNATURE [Signature]

DELIVERY DATE 04/27/23

DRIVER'S SIGNATURE [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No.
Site Name/ Permit No. Halfway Facility / NM1-006 Phone No. 575-393-1079
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, BS&W (%)

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

NAME (PRINT)

DATE

TITLE

SIGNATURE [Signature]



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

Company Man Contact Information

Name: PETE TRUJILLO Phone No.: 432) 215 - 5452

GENERATOR

NO. 588879

Operator No. Operators Name: Novo Oil & Gas Address: 1001 W. WILSHIRE BLVD SUITE 206 City, State, Zip: OKLAHOMA CITY - OK 73116 Phone No.: (405) 286 - 4391

Permit/RRC No. Lease/Well Name & No.: Gooch Fc. 0409 21411 County: EDDY API No.: 30 - 015 - 46608 Rig Name & No. AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and categories (NON-INJECTABLE WATERS, INJECTABLE WATERS, INTERNAL USE ONLY).

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENTS NAME: Pete Trujillo

DATE: 4-27-23

SIGNATURE: [Signature]

TRANSPORTER

Transporter's Name: KODIAK Address: CARLSBAD Phone No.

Driver's Name: RICHIE SUAREZ Phone No.: 7365031667 Truck No.: 91

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

SHIPMENT DATE: 4-26-23

DRIVER'S SIGNATURE: [Signature]

DELIVERY DATE: 4-26-23

DRIVER'S SIGNATURE: [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No. 28

Site Name/ Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No.: 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, and BS&W (%).

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

NAME (PRINT): [Signature]

DATE: 4/21/23

TITLE: adm

SIGNATURE: [Signature]



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

Company Man Contact Information

Name: PETE TRUJILLO Phone No.: 437 215 5452

GENERATOR

NO. 588899

Operator No. Operators Name: Novo Oil & Gas Address: 1001 W. WILSHIRE BLVD. SUITE 206 City, State, Zip: OKLAHOMA CITY, OK 78116 Phone No.: (405) 286-4391

Permit/RRC No. Lease/Well Name & No.: GOODCH FR. 0409 214 H County: EDDY RIG Name & No.: 30-015-46608 AFE/PO No.:

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

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.), NON-INJECTABLE WATERS, and INJECTABLE WATERS. Includes checkboxes for various waste categories.

WASTE GENERATION PROCESS: DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES []

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

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

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

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

Pete Trujillo (PRINT) AUTHORIZED AGENTS NAME DATE: 4-27-23 SIGNATURE

TRANSPORTER

Transporter's Name, Address, Phone No., Driver's Name, Print Name, Phone No., Truck No.

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

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No.

Site Name/ Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 Phone No.: 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, and BS&W (%)

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

NAME (PRINT) DATE TITLE SIGNATURE



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

Company Man Contact Information

Name: PETE TRUJILLO

Phone No. (432) 215-5452

GENERATOR

NO. 588898

Operator No.
Operators Name: Novo Oil & Gas
Address: 1001 W. WILSHIRE BLVD, SUITE 206
City, State, Zip: OKLAHOMA CITY, OK, 73116
Phone No. (405) 286-4391

Permit/RRC No.
Lease/Well Name & No.: GOUCH FC. 0409. 214 H
County: EDDY
API No.: 30-015-46608
Rig Name & No.
AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and categories (NON-INJECTABLE WATERS, INJECTABLE WATERS, INTERNAL USE ONLY).

WASTE GENERATION PROCESS: [] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

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

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

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

QUANTITY: 18 B - BARRELS, L - LIQUID, Y - YARDS, E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information
RCRA Hazardous Waste Analysis
Other (Provide Description Below)

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

Pete Trujillo (PRINT) AUTHORIZED AGENT'S NAME, 4-27-23 DATE, [Signature] SIGNATURE

TRANSPORTER

Transporter's Name: KODIAK
Address: CARLSBAD
Phone No.

Driver's Name: LAZARO LOPEZ
Print Name:
Phone No.: 5752002057
Truck No.: 60

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

04/27/23 SHIPMENT DATE, [Signature] DRIVER'S SIGNATURE, 04/27/23 DELIVERY DATE, [Signature] DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No. 28

Site Name/Permit No.: Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220
Phone No.: 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, BS&W (%)

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

[Signature] NAME (PRINT), 4/27 DATE, [Signature] TITLE, [Signature] SIGNATURE



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

Company Man Contact Information

Name PETE TRUJILLO

Phone No. 931 215-5452

GENERATOR

NO. 588881

Operator No.
Operators Name Novo Oil & Gas
Address 1001 W. WILSHIRE BLVD SUITE 206
City, State, Zip OKLAHOMA CITY, OK 73116
Phone No. (405) 286-4391

Permit/RRC No.
Lease/Well Name & No. BOONCH FC. 0409 214 H EDDY
County 30-015-46608
API No.
Rig Name & No.
AFE/PO No.

Table with columns for waste types: Oil Based Muds, Water Based Muds, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, Gas Plant Waste. Sub-columns for Non-Injectable Waters, Injectable Waters, and Other Exempt Wastes.

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount. All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information
RCRA Hazardous Waste Analysis
Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)
Signature: Pete Trujillo, Date: 4-27-23

TRANSPORTER

Transporter's Name: KOLIPK CARLSBAD
Address:
Phone No.:

Driver's Name: LAFRANCO, Suph 07
Print Name:
Phone No.
Truck No. 91

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
SHIPMENT DATE: 4-27-23, DRIVER'S SIGNATURE, DELIVERY DATE: 4-27-23, DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No. 11

Site Name/ Permit No. Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220
Phone No. 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLs Received, Free Water, Total Received, BS&W (%)

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?
Signature: Pete Trujillo, Date: 4/27/23, Title: Driver, Signature: [Signature]



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

Name: PETE TRUJILLO
Phone No.: 407 215-5452

GENERATOR

NO. 588876

Operator No.
Operators Name: Now on 3 GAS
Address: 1001 W. WILSHIRE BLVD
SITE 206
City, State, Zip: OKLAHOMA CITY, OK 73116
Phone No.: 405-286-4391

Permit/RRC No.
Lease/Well Name & No.: 6000 CH. FC. 0409 (1411)
County: EDDY
API No.: 30-D15-46608
Rig Name & No.
AFE/PO No.

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

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

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

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

PETE TRUJILLO (PRINT) AUTHORIZED AGENTS NAME DATE: 04-28-23 SIGNATURE: [Signature]

TRANSPORTER

Transporter's Name: [Name] Driver's Name: [Name]
Address: [Address] Print Name: [Name]
Phone No.: [Phone] Truck No.: [Truck No.]

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

SHIPMENT DATE: _____ DRIVER'S SIGNATURE: _____ DELIVERY DATE: _____ DRIVER'S SIGNATURE: _____

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: _____ OUT: _____		Name/No. <u>11</u>

Site Name/Permit No.: Halfway Facility / NM1-006 Phone No.: 575-393-1079
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

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

TANK BOTTOMS

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

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

[Signature] NAME (PRINT) DATE: 9/21/23 TITLE: _____ SIGNATURE: [Signature]

(PLEASE PRINT)

Name Pete Te Phone No. (405) 215-5452

GENERATOR

NO. 588875

Operator No. Operators Name: Novo Oil 3 Gas Address: 1001 W. WILSHIRE BLVD SUITE 206 City, State, Zip: OKLAHOMA CITY, OK 73116 Phone No. (405) 286-4391

Permit/RRC No. Lease/Well Name & No.: Coon FC. 0409, 214 H County: EDDY API No.: 30-015-46608 RIG Name & No. AFE/PO No.

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and categories (NON-INJECTABLE WATERS, INJECTABLE WATERS, INTERNAL USE ONLY). Includes checkboxes for WASTE GENERATION PROCESS: DRILLING, COMPLETION, PRODUCTION, GATHERING LINES.

NON-EXEMPT E&P Waste/Service Identification and Amount. All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification) RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only) RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided) MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below) EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

TRANSPORTER Transporter's Name: Kodiak Address: CHISHAM Driver's Name: RAFAEL SUAREZ Print Name: 786 803 1667 Phone No. Truck No.: 91

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below. SHIPMENT DATE: 4-27-23 DRIVER'S SIGNATURE: DELIVERY DATE: 4-27-23 DRIVER'S SIGNATURE:

TRUCK TIME STAMP IN: OUT: DISPOSAL FACILITY RECEIVING AREA Name/No.: Site Name/Permit No.: Halfway Facility / NM1-006 Phone No.: 575-393-1079 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS Table with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, BS&W (%).

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? NAME (PRINT): DATE: TITLE: SIGNATURE:

GENERATOR

NO. 588874

Operator No. Operators Name: Novo Oil & Gas Address: 1001 W WILSHIRE BLVD SUITE 206 City, State, Zip: OKLAHOMA CITY, OK 73116 Phone No.: 405-286-4391

Permit/RRC No. Lease/Well Name & No.: BOONCH FC. 0409 214 Y EDDY County: 30-015-46608 API No. RIG Name & No. AFE/PO No.

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

Table with columns for waste types: Oil Based Muds, Oil Based Cuttings, Water Based Muds, Water Based Cuttings, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, Gas Plant Waste. Sub-columns for Non-Injectable Waters, Injectable Waters, and Internal Use Only.

WASTE GENERATION PROCESS: [] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information
RCRA Hazardous Waste Analysis
Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)
Signature: PETE TRAVILLO DATE: 09/20/23

TRANSPORTER

Transporter's Name: KODIAK Driver's Name: FRANCO Address: CARLSBAD Print Name: Phone No.: 286-953-9891 Truck No.: 97

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below. SHIPMENT DATE: 09/22/23 DELIVERY DATE: 09/22/23

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No.: Phone No.: 575-393-1079 Site Name/Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLs Received, Free Water, Total Received, BS&W (%)

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? Signature: NAME (PRINT) DATE TITLE

(PLEASE PRINT)

GENERATOR

Operator No.
Operators Name: Novo Oil & Gas
Address: 1001 W. WILSHIRE BLVD SUITE 206
City, State, Zip: OKLAHOMA CITY, OK 73116
Phone No. (405) 286-4391

Permit/RRC No.
Lease/Well Name & No. Branch FF 0409 2144
County: EDDY
API No. 30-015-46608
Rig Name & No.
AFE/PO No.

NO. 631955

Table with columns for waste types: Oil Based Muds, Oil Based Cuttings, Water Based Muds, Water Based Cuttings, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, Gas Plant Waste. Sub-columns for NON-INJECTABLE WATERS, INTERNAL USE ONLY, and INJECTABLE WATERS.

WASTE GENERATION PROCESS: [] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

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

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

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- [] RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
[] RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
[] MSDS Information [] RCRA Hazardous Waste Analysis [] Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENTS NAME DATE SIGNATURE

TRANSPORTER

Transporter's Name: ROYALTY
Address:
Phone No.:

Driver's Name:
Print Name:
Phone No.:
Truck No.:

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

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP IN: OUT:

DISPOSAL FACILITY

RECEIVING AREA Name/No.

Site Name/ Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, BS&W (%)

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

NAME (PRINT) DATE TITLE SIGNATURE



Name: YETE TRUJILLO

Phone No.: (432) 215-5452

GENERATOR

NO. 588878

Operator No.
Operators Name: HAVU OIL & GAS
Address: 1001 W. WILSHIRE BLVD SUITE 206
City, State, Zip: OKLAHOMA CITY - OK 73116
Phone No.: (405) 286-4391

Permit/RRC No. Lease/Well Name & No.: BOONBY R-0409 214 H
County: EDDY
API No.: 30-015-46608
Rig Name & No.
AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Oil Based Cuttings, Water Based Muds, Water Based Cuttings, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, Gas Plant Waste) and categories (NON-INJECTABLE WATERS, INJECTABLE WATERS, INTERNAL USE ONLY, OTHER EXEMPT WASTES).

WASTE GENERATION PROCESS: [] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

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

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

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

Table with columns: QUANTITY (18), B - BARRELS, L - LIQUID, Y - YARDS, E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information
RCRA Hazardous Waste Analysis
Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name: [Handwritten]
Address: [Handwritten]
Phone No.: [Handwritten]

Driver's Name: [Handwritten]
Print Name: [Handwritten]
Phone No.: [Handwritten]
Truck No.: [Handwritten]

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: [Handwritten] OUT: [Handwritten]

Name/No.: [Handwritten]

Site Name/ Permit No.: Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No.: 575-393-1079

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

TANK BOTTOMS

Table with columns: Feet, Inches, 1st Gauge Received, 2nd Gauge Received

Table with columns: BS&W/BBLS Received, Free Water, Total Received, BS&W (%)

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



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

Company Man Contact information

Name: PETE TRUJILLO Phone No. (432) 215-5451

GENERATOR

NO. 631953

Operator No. Operators Name: Novo Oil & Gas Address: 1001 W. WILSHIRE BLVD SUITE 206 City, State, Zip: OKLAHOMA CITY, OK 73116 Phone No. (405) 286-4391

Permit/RRC No. Lease/Well Name & No.: BOONCH FF-0409 21411 County: EDDY API No.: 30-015-46605 Rig Name & No. AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Cuttings, etc.) and categories (NON-INJECTABLE WATERS, INTERNAL USE ONLY, etc.)

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name: KOTIRIK Address: Carlsbad Phone No. (505) 200-2051

Driver's Name: Luzan, Lorena Print Name: Phone No. (505) 200-2051 Truck No. 60

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT:

Name/No. 11

Site Name/ Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No.: 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms measurements in Feet and Inches, and BS&W/BBLs Received (Free Water, Total Received) and BS&W (%)

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

Name Pete Trujillo

Phone No. (432) 215-8152

GENERATOR

NO. 631959

Operator No.
Operators Name: Move oil 3 Gas
Address: 1001 W. WILSHIRE BLVD
City, State, Zip: OKLAHOMA CITY OK 73116
Phone No. (405) 286 4391

Permit/RRC No.
Lease/Well Name & No. Goonah FC 0409 214 H
County: EDDY
API No. 30-615-46608
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount

Table with columns for Oil Based Muds, Water Based Muds, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, Gas Plant Waste, NON-INJECTABLE WATERS, and INJECTABLE WATERS.

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations...
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards...
MSDS Information
RCRA Hazardous Waste Analysis
Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety...

Pete Trujillo (PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name: Kadink
Address:
Phone No.:

Driver's Name: RIAFAI S...
Print Name:
Phone No.:
Truck No.: 91

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No.

Site Name/Permit No. Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220
Phone No. 575-393-1079

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

TANK BOTTOMS

Table with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, BS&W (%)

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



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

Company Man Contact Information

Name: Pete Trevillo

Phone No.: (405) 215-5452

GENERATOR

NO. 631952

Operator No.
Operators Name: New Oil B Gas
Address: 1001 W. WILSHIRE BLVD SUITE 206
City, State, Zip: OKLAHOMA CITY, OK 73116
Phone No.: (405) 286-4391

Permit/RRC No.
Lease/Well Name & No.: Branch F2 0409 214 H
County: Ford
API No.: 30-015-46608
Rig Name & No.
AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and checkboxes for identification and amount.

WASTE GENERATION PROCESS: DRILLING, COMPLETION, PRODUCTION, GATHERING LINES

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

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

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

QUANTITY: 18 B - BARRELS, Y - YARDS, E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information, RCRA Hazardous Waste Analysis, Other (Provide Description Below)

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

Pete Trevillo (PRINT) AUTHORIZED AGENTS NAME, DATE: 04-28-23, SIGNATURE

TRANSPORTER

Transporter's Name: KATYUK
Address: CARLSBAD
Phone No.: 575-200-2051

Driver's Name: LINDA LORISO
Print Name:
Phone No.: 575-200-2050
Truck No.: 60

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

SHIPMENT DATE: 04/28/23, DRIVER'S SIGNATURE, DELIVERY DATE: 04/29/23, DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No. 28

Site Name/Permit No.: Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220
Phone No.: 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLs Received, Free Water, Total Received, BS&W (%)

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

NAME (PRINT): Denise, DATE: 4/28, TITLE: Driver, SIGNATURE

Name: PETE TRUJILLO Phone No. (432) 215-5452

GENERATOR

NO. 631954

Operator No. Operators Name: New Oil & Gas Address: 1001 W. WILSHIRE BLVD SUITE 206 City, State, Zip: OKLAHOMA CITY, OK 73116 Phone No. (405) 286-4391

Permit/RRC No. Lease/Well Name & No.: GEORGE TR 0409 214 H County: EDDY API No.: 30-015-46608 Rig Name & No. AFE/PO No.

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

Table with columns for Oil Based Muds, NON-INJECTABLE WATERS, and INJECTABLE WATERS. Includes rows for Washout Water, Completion Fluid, Produced Water, and Gathering Line Water/Waste.

WASTE GENERATION PROCESS: [] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

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

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

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

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENT'S NAME: PETE TRUJILLO

DATE: 04/29/23

SIGNATURE: [Signature]

TRANSPORTER

Transporter's Name: KOTIAD Address: CARLSBAD Phone No.: 575 200 2057

Driver's Name: LAZARA LOPEZ Print Name: Phone No.: 575 200-2057 Truck No.: 560

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

SHIPMENT DATE: 04/29/23

DRIVER'S SIGNATURE: [Signature]

DELIVERY DATE: 04/29/23

DRIVER'S SIGNATURE: [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT:

Name/No. 11

Site Name/ Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No.: 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, and BS&W (%).

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

NAME (PRINT): [Signature]

DATE: [Signature]

TITLE: [Signature]

SIGNATURE: [Signature]



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

Name PETE TRUJILLO

Phone No. (432) 215-5452

GENERATOR

NO. 588883

Operator No. _____
Operators Name Novo Oil Gas
Address 1001 W. WILSHIRE BLVD
SUITE 206
City, State, Zip OKLAHOMA CITY, OK 73116
Phone No. (405) 286-4391

Permit/RRC No. _____
Lease/Well Name & No. BRANCH FC-0409 214 H
County EMERY
API No. 30-015-46608
Rig Name & No. _____
AFE/PO No. _____

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

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

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

Pete Trujillo
(PRINT) AUTHORIZED AGENTS NAME

4-27-23
DATE

[Signature]
SIGNATURE

TRANSPORTER

Transporter's Name KODIAK
Address CARLSBAD
Phone No. _____

Driver's Name LARA RO TORRES
Print Name _____
Phone No. 535 200 2057
Truck No. 00

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

09/27/23
SHIPMENT DATE

[Signature]
DRIVER'S SIGNATURE

09/27/23
DELIVERY DATE

[Signature]
DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. _____

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 575-393-1079
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES 3 NO 0 If YES, was reading > 50 micro roentgens? (circle one) YES 3 NO 0
PASS THE PAINT FILTER TEST? (Circle One) YES 3 NO 0

TANK BOTTOMS

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

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

[Signature]
NAME (PRINT)

4/27/23
DATE

[Signature]
TITLE

[Signature]
SIGNATURE

Name: (432) 215-3452
Phone No. (432) 215-3452

GENERATOR

NO. 588882

Operator No.
Operators Name: Novo Oil & Gas
Address: 8001001 N. WILSHIRE BLVD
Suite 206
City, State, Zip: OKLAHOMA CITY - OK 73116
Phone No.: (405) 286-4391

Permit/RRC No. Lease/Well Name & No.: GOUCHER FC. 0409 214 H
County: EDDY
API No.: 30-015-46608
Rig Name & No.
AFE/PO No.

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

Table with 3 columns: Waste Type, Volume, and Identification. Includes categories like Oil Based Muds, Water Based Muds, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, and Gas Plant Waste.

WASTE GENERATION PROCESS: DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES []

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

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

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

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information
RCRA Hazardous Waste Analysis
Other (Provide Description Below)
EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name: KALINK...
Address: ...
Phone No.:

Driver's Name: ...
Print Name: ...
Phone No.: ...
Truck No.: 91

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT:

Name/No. 11

Site Name/ Permit No.: Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No.: 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, and BS&W (%).

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



(PLEASE PRINT)

Name: LETE TRUJILLO
Phone No. 937 215 5452

GENERATOR

NO. **588900**

Operator No. _____
Operators Name Novo Oil & Gas
Address 1001 W. WILSHIRE BLVD
Suite 206
City, State, Zip OKLAHOMA CITY, OK 73116
Phone No. (405) 286 4391

Permit/RRC No. _____
Lease/Well Name & No. Boonville FC. 0409. 214 H
County COOY
API No. 30 - 015 - 46608
Rig Name & No. _____
AFE/PO No. _____

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.
Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY	B - BARRELS	L - LIQUID	Y - YARDS	E - EACH
<u>18</u>				

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)
- EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Pete Trujillo (PRINT) AUTHORIZED AGENTS NAME DATE 4-27-23 SIGNATURE [Signature]

TRANSPORTER

Transporter's Name [Signature] Driver's Name [Signature]
Address _____ Print Name _____
Phone No. _____ Phone No. _____
Truck No. _____

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

SHIPMENT DATE _____ DRIVER'S SIGNATURE _____ DELIVERY DATE _____ DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. 28
Site Name/ Permit No. Halfway Facility / NM1-006 Phone No. 575-393-1079
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

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

TANK BOTTOMS

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

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____
[Signature] NAME (PRINT) DATE [Signature] TITLE SIGNATURE

GENERATOR

NO. 631949

Operator No. Operators Name Address City, State, Zip Phone No.

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

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

Table with columns for Oil Based Muds, Water Based Muds, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, Gas Plant Waste, NON-INJECTABLE WATERS, and INJECTABLE WATERS.

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

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

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

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENTS NAME DATE SIGNATURE

TRANSPORTER

Transporter's Name Address Phone No.

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

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

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No.

Site Name/ Permit No. Address Phone No.

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

TANK BOTTOMS

Table with columns for Feet, Inches, 1st Gauge, 2nd Gauge, Received, BS&W/BBLS Received, Free Water, Total Received, BS&W (%)

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? NAME (PRINT) DATE TITLE SIGNATURE



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

Company Man Contact Information

Name: [Handwritten Name]

Phone No.: [Handwritten Phone Number]

GENERATOR

NO. 631950

Operator No.
Operators Name: [Handwritten Name]
Address: [Handwritten Address]
City, State, Zip: [Handwritten City, State, Zip]
Phone No.: [Handwritten Phone Number]

Permit/RRC No.
Lease/Well Name & No.: [Handwritten Name & No.]
County: [Handwritten County]
API No.: [Handwritten API No.]
Rig Name & No.: [Handwritten Rig Name & No.]
AFE/PO No.: [Handwritten AFE/PO No.]

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

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and volumes. Includes checkboxes for DRILLING, COMPLETION, PRODUCTION, and GATHERING LINES.

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

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

Non-Exempt Other: [Handwritten] *please select from Non-Exempt Waste List on back

QUANTITY: [Handwritten] B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information
RCRA Hazardous Waste Analysis
Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENT'S NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name: [Handwritten Name]
Address: [Handwritten Address]
Phone No.: [Handwritten Phone Number]

Driver's Name: [Handwritten Name]
Print Name: [Handwritten Name]
Phone No.: [Handwritten Phone Number]
Truck No.: [Handwritten Truck No.]

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: [Handwritten] OUT: [Handwritten]

Name/No.: [Handwritten]

Site Name/ Permit No.: Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No.: 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms measurements in Feet and Inches for 1st and 2nd Gauges.

Table for Tank Bottoms fluid levels: BS&W/BBLs Received, Free Water, Total Received, and BS&W (%).

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name PETE TRUJILLO

Phone No. 405-215-5452

GENERATOR

NO. 588877

Operator No. _____

Permit/RRC No. _____

Operators Name Novo Oil & Gas

Lease/Well _____

Address 1001 - W. WILSHIRE BLVD

Name & No. BENCH FC 0409 214 H

SUITE 206

County EDDY

City, State, Zip OKLAHOMA CITY, OK 73116

API No. 30-015-46608

Phone No. (405) 286-4391

Rig Name & No. _____

AFE/PO No. _____

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

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

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

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

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

PETE TRUJILLO

(PRINT) AUTHORIZED AGENTS NAME

DATE

04-26-23

SIGNATURE

[Signature]

TRANSPORTER

Transporter's Name Kooltrak

Driver's Name EVER GUTTALEZ

Address Carlsbad

Print Name _____

Phone No. _____

Phone No. 305-608-6703

Truck No. 08

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 588877

Site Name/Permit No. Halfway Facility / NM1-006

Phone No. 575-393-1079

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

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

Feet Inches

1st Gauge	_____	_____
2nd Gauge	_____	_____
Received	_____	_____

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

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

NAME (PRINT)

DATE

TITLE

SIGNATURE

[Signature] 4/26/23 [Signature]



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

Company Man Contact Information

Name: PETE TRUJILLO Phone No.: (432) 215-5452

GENERATOR

NO. 588887

Operator No. Operators Name: MORGAN OIL SERVICES Address: 1001 W. WILSHIRE BLVD SUITE 206 City, State, Zip: OKLAHOMA CITY, OK 73116 Phone No.: 405-286-4391

Permit/RRC No. Lease/Well Name & No.: BOONCH FC 0409 214 H County: EDG API No.: 30-015-46608 RIG Name & No. AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and volumes. Includes sub-sections for NON-INJECTABLE WATERS, INJECTABLE WATERS, and INTERNAL USE ONLY.

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other: QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

PETE TRUJILLO (PRINT) AUTHORIZED AGENTS NAME

04-26-23 DATE

SIGNATURE

TRANSPORTER

Transporter's Name: KADINK ADDRESS: CARISMA Phone No.

Driver's Name: RAFAEL Print Name: 7565631667 Phone No. Truck No.: 91

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

SHIPMENT DATE: 9-27-23 DRIVER'S SIGNATURE: DELIVERY DATE: DRIVER'S SIGNATURE

TRUCK TIME STAMP: IN: OUT: DISPOSAL FACILITY: RECEIVING AREA Name/No. 50151

Site Name/Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 Phone No.: 575-393-1079 NORM READINGS TAKEN? PASS THE PAINT FILTER TEST?

TANK BOTTOMS

Table for Tank Bottoms with columns for Gauge (1st, 2nd), Received, Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, BS&W (%)

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? NAME (PRINT): DATE: TITLE: SIGNATURE:



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

Company Man Contact Information

Name: PETE TRUJILLO Phone No.: (432) 215-5452

GENERATOR

NO. 588888

Operator No. Operators Name: Novo Oil 3 Gas Address: 1001 W. WILSHIRE BLVD Suite 206 City, State, Zip: OKLAHOMA CITY, OK 73116 Phone No.: (405) 286-4391

Permit/RRC No. Lease/Well Name & No.: BOONCH FE 0409 214 H County: EDDY API No.: 30-015-46608 Rig Name & No. AFE/PO No.

Table with columns: OIL BASED MUDS, NON-INJECTABLE WATERS, INJECTABLE WATERS, INTERNAL USE ONLY, OTHER EXEMPT WASTES. Includes checkboxes for WASTE GENERATION PROCESS: DRILLING, COMPLETION, PRODUCTION, GATHERING LINES.

NON-EXEMPT E&P Waste/Service Identification and Amount. All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification) RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only) RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided) MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form) PETER TRUJILLO 04.26.23

TRANSPORTER

Transporter's Name: KODIAK Driver's Name: ROSAL FRANCO Address: CARLSBAD Print Name: Phone No.: 2869539841 Truck No.: 93

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below. SHIPMENT DATE: 09/24/23 DRIVER'S SIGNATURE: DELIVERY DATE: DRIVER'S SIGNATURE:

Table with columns: TRUCK TIME STAMP (IN, OUT), DISPOSAL FACILITY (Name/No., Phone No.), RECEIVING AREA (Name/No.). Includes Site Name: Halfway Facility / NM1-006, Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220, and NORM READINGS TAKEN? PASS THE PAINT FILTER TEST? sections.

TANK BOTTOMS

Table for TANK BOTTOMS with columns: Feet, Inches, BS&W/BBLs Received, Free Water, Total Received, BS&W (%).

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? NAME (PRINT): DATE: TITLE: SIGNATURE:

GENERATOR

Operator No. _____ NO. **588893**

Operators Name: **Mobo Oil & Gas** Permit/RRC No. _____
 Address: **1001 W. WINDSHIRE BLVD** Lease/Well Name & No. **BOONCH Fe 0409 214 H**
SUITE 206 County: **EDDY**
 City, State, Zip: **OKLAHOMA CITY - OK 73116** API No. **30-015-46608**
 Phone No. **(405) 286-4391** Rig Name & No. _____
 AFE/PO No. _____

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
 All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

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

QUANTITY	B - BARRELS	L - LIQUID	Y - YARDS	E - EACH
18				

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

PETE TRULLO (PRINT) AUTHORIZED AGENTS NAME DATE **04-2-23** SIGNATURE *[Signature]*

TRANSPORTER

Transporter's Name: **KODIAK** Driver's Name: **RAFAEL SANCHEZ**
 Address: **CHRIS WAT** Print Name: **7365021007**
 Phone No. _____ Phone No. _____
 Truck No. **91**

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

4-26-23 SHIPMENT DATE **[Signature]** DRIVER'S SIGNATURE **4-26-23** DELIVERY DATE **[Signature]** DRIVER'S SIGNATURE

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: _____ OUT: _____	Name/No. 28	
Site Name/Permit No. Halfway Facility / NM1-006	Phone No. 575-393-1079	
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220		
NORM READINGS TAKEN? (Circle One) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	IF YES, was reading > 50 micro roentgens? (circle one) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PASS THE PAINT FILTER TEST? (Circle One) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		

TANK BOTTOMS

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

I hereby certify that the above load material has been (circle one): **ACCEPTED** **2/1/24** **[Signature]**
 NAME (PRINT) DATE TITLE SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact information

(PLEASE PRINT)

Name PETE TRUJILLO

Phone No. 4321215-5452

GENERATOR

NO. 588896

Operator No. _____
Operators Name Novo oil & Gas
Address 1001 W. WILSHIRE BLVD
SUITE 206
City, State, Zip OKLAHOMA CITY - OK 73116
Phone No. 405-286-4391

Permit/RRC No. _____
Lease/Well Name & No. BOONCH RR 20149-214 H
County EDDY
API No. 308-015-46608
Rig Name & No. _____
AFE/PO No. _____

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

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

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

Pete Trujillo (PRINT) AUTHORIZED AGENTS NAME 09/26/23 DATE [Signature] SIGNATURE

TRANSPORTER

Transporter's Name KODIAK Driver's Name ROSEL JOHNSON
Address CARLSBAD Print Name _____
Phone No. _____ Phone No. 506 753 7891
Truck No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
09/26/23 SHIPMENT DATE [Signature] DRIVER'S SIGNATURE 09/26/23 DELIVERY DATE [Signature] DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. _____

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 575-393-1079
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

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

TANK BOTTOMS

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

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED if denied, why? _____
[Signature] NAME (PRINT) 09/26 DATE [Signature] TITLE [Signature] SIGNATURE



Name: JETC... Phone No. 432-215-5452

GENERATOR

NO. 588895

Operator No. 11001 W WILSHIRE RD, SUITE 206, OKLAHOMA CITY, OK 73116, (405) 286-4391

Permit/RRC No. Lease/Well Name & No. BOONCH FR 1409 - 214 11, County Eddy, API No. 30-2015-46608, Rig Name & No., AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and amounts. Includes sub-sections for NON-INJECTABLE WATERS and INJECTABLE WATERS.

WASTE GENERATION PROCESS: DRILLING, COMPLETION, PRODUCTION, GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information, RCRA Hazardous Waste Analysis, Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name: KUDYAK, Address: CARLSBAD, Phone No. 205 609 2703

Driver's Name: ERIC J GONZALEZ, Print Name, Phone No. 205 609 2703, Truck No. 08

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT:

Name/No.

Site Name/ Permit No. Halfway Facility / NM1-006, Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLs Received, Free Water, Total Received, BS&W (%)

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

Name PETE TRUJILLO

Phone No. 405 215 5452

GENERATOR

NO. 588891

Operator No.
Operators Name YPOV OIL & GAS
Address 1001 W. WILSHIRE BLVD SUITE 206
City, State, Zip OKLAHOMA CITY - OK 73116
Phone No. (405) 286-4391

Permit/RRC No.
Lease/Well
Name & No. BOONCH EE- 0409 214 H
County EDDY
API No. 30-415-46608
Rig Name & No.
AFE/PO No.

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

Table with columns for Oil Based Muds, Water Based Muds, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, Gas Plant Waste, NON-INJECTABLE WATERS, and INJECTABLE WATERS.

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information
RCRA Hazardous Waste Analysis
Other (Provide Description Below)

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

PETE TRUJILLO (PRINT) AUTHORIZED AGENTS NAME DATE 04.26.23 SIGNATURE

TRANSPORTER

Transporter's Name Kochink
Address Carlsbad
Phone No. 305 608 6703

Driver's Name
Print Name
Phone No.
Truck No. 08

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

SHIPMENT DATE 4/26/23 DRIVER'S SIGNATURE DELIVERY DATE 4/26/23 DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No.

Site Name/ Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220
Phone No. 575-393-1079

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

TANK BOTTOMS

Table with columns for 1st Gauge, 2nd Gauge, Received, Feet, Inches, BS&W/BBLs Received, Free Water, Total Received, BS&W (%)

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?
NAME (PRINT) DATE TITLE SIGNATURE

Name: PETE T. Phone No. 4321 215-315 2

GENERATOR

NO. 588861

Operator No. Operators Name: Howell 3 Gas Address: 1001 W. WILSHIRE BLVD Suite 206 City, State, Zip: OKLAHOMA CITY, OK 73116 Phone No. 405-286-4251

Permit/RRC No. Lease/Well Name & No.: GOMCH FC 0409 214 H County: EDDEY API No.: 30-015-46608 RIG Name & No. AFE/PO No.

Table with 3 columns: Waste Type, Non-Injectable Waters, and Injectable Waters. Rows include Oil Based Muds, Oil Based Cuttings, Water Based Muds, etc.

WASTE GENERATION PROCESS: [] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount. All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

QUANTITY: B - BARRELS, L - LIQUID, Y - YARDS, E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information, RCRA Hazardous Waste Analysis, Other (Provide Description Below)
EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME: PETE TRULLO DATE: 09-24-23 SIGNATURE: [Signature]

TRANSPORTER

Transporter's Name: KODIAK Address: CARLSBAD Phone No.

Driver's Name: RAFAEL SUAREZ Print Name: 7665031607 Phone No. Truck No. 91

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

SHIPMENT DATE: 9-24-23 DRIVER'S SIGNATURE: [Signature] DELIVERY DATE: 9-24-23 DRIVER'S SIGNATURE: [Signature]

TRUCK TIME STAMP: IN: OUT:

DISPOSAL FACILITY

RECEIVING AREA Name/No. 28

Site Name/Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 Phone No.: 575-393-1079

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

TANK BOTTOMS

Table with 4 columns: Feet, Inches, BS&W/BBLs Received, BS&W (%). Rows include 1st Gauge, 2nd Gauge, Received.

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? NAME (PRINT): DATE: TITLE: SIGNATURE:



(PLEASE PRINT)

Name Kate Trujillo

Phone No. 432215 5452

GENERATOR

NO. 588884

Operator No.
Operators Name Novo oil + gas
Address 1001 W. Wilshire Blvd Suite 206
City, State, Zip Oklahoma City, OK 73116
Phone No. 405.256.4391

Permit/RRC No. Lease/Well Name & No. Gorch FC 0409 214H
County Edley
API No. 30 815 46608
Rig Name & No.
AFE/PO No.

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and waste generation process (Drilling, Completion, Production, Gathering Lines).

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)
RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)
Signature: Kate Trujillo, Date: 4-25-23

TRANSPORTER

Transporter's Name: COLIANK
Address:
Phone No.:
Driver's Name: LOZANO LOZANO
Print Name:
Phone No.: 505 700 2051
Truck No.: 60

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

Table with columns: TRUCK TIME STAMP (IN, OUT), DISPOSAL FACILITY (Name, No., Phone No.), RECEIVING AREA (Name/No.).

Table with columns: TANK BOTTOMS (1st Gauge, 2nd Gauge Received) and BS&W/BBLs Received (Free Water, Total Received).

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?
Signature: REC, Date: 4-25-23

GENERATOR

NO. 588863

Operator No. Operators Name: NUVO OIL & GAS Address: 1001 W. WILSHIRE BLVD SUITE 206 City, State, Zip: OKLAHOMA CITY, OK 73116 Phone No.: 405-286-4391

Permit/RRC No. Lease/Well Name & No.: BOONCH FC 0409 214 H County: EDDY API No.: 30-015-46608 RIG Name & No. AFE/PO No.

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

Table with columns for waste types: Oil Based Muds, Water Based Muds, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, Gas Plant Waste, NON-INJECTABLE WATERS, and INJECTABLE WATERS.

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)
EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

PETE TRUJILLO (PRINT) AUTHORIZED AGENTS NAME

04-29-23 DATE

SIGNATURE

TRANSPORTER

Transporter's Name: KODIAK Address: CHISLAD Phone No.

Driver's Name: DAPHNY Print Name: 7800031007 Phone No.: 91 Truck No.

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

SHIPMENT DATE: 4-25-23

DRIVER'S SIGNATURE

DELIVERY DATE: 4-25-23

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT:

Name/No.

Site Name/Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No.: 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms measurements: 1st Gauge, 2nd Gauge Received, Feet, Inches.

Table for Tank Bottoms analysis: BS&W/BBLS Received, Free Water, Total Received, BS&W (%)

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? NAME (PRINT): DATE: TITLE: SIGNATURE:

Operator No. _____
Operators Name Novo oil + gas
Address 1001 W. Wilshire Blvd
Suite 220
City, State, Zip Del Mar City, CA 92016
Phone No. 760-236-4734

Permit/RRC No. _____
Lease/Well Name & No. Gorach FC 0409 214H
County Essex
API No. 30-015-46608
Rig Name & No. _____
AFE/PO No. _____

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

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

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

PETE TRUJILLO
(PRINT) AUTHORIZED AGENTS NAME

09-25-23
DATE

[Signature]
SIGNATURE

TRANSPORTER

Transporter's Name Kordiak
Address Carlsbad
Phone No. 760-200-2058

Driver's Name EMER Gonzalez
Print Name _____
Phone No. 305-608-6703
Truck No. 08

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

09-25-23
SHIPMENT DATE

[Signature]
DRIVER'S SIGNATURE

09-25-23
DELIVERY DATE

[Signature]
DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. [Signature]

Site Name/Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

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

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

[Signature]
NAME (PRINT)

09/25/23
DATE

[Signature]
TITLE

[Signature]
SIGNATURE

Generator Information:

Operator No. _____

Operators Name: Novo Oil & Gas

Address: 1001 W. WILSHIRE BLVD SUITE 206

City, State, Zip: OKLAHOMA CITY, OK 73116

Phone No.: 405-286-9391

Permit/RRC No. _____

Lease/Well Name & No.: Goodwin FC 0409 - 214 H

County: ADDA

API No.: 30-015-46608

Rig Name & No.: N/A

AFE/PO No. _____

Phone No.: (432) 215-5452

NO. 588869

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

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

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

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

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

PETE TRUJILLO (PRINT) AUTHORIZED AGENTS NAME 04-29-23 DATE [Signature] SIGNATURE

TRANSPORTER

Transporter's Name: Kooliak Driver's Name: [Signature]

Address: DARK BACK Print Name: _____

Phone No.: 305 608 6703 Phone No.: _____

Truck No.: 05 Truck No.: _____

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

SHIPMENT DATE: 04/25/23 DRIVER'S SIGNATURE: [Signature] DELIVERY DATE: 04/25/23 DRIVER'S SIGNATURE: [Signature]

TRUCK TIME STAMP: IN: _____ OUT: _____

DISPOSAL FACILITY: _____ RECEIVING AREA: Name/No. 50/101

Site Name/Permit No.: Halfway Facility / NM1-006 Phone No.: 575-393-1079

Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

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

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

[Signature] NAME (PRINT) 9/25 DATE [Signature] SIGNATURE



(PLEASE PRINT)

Company Man Contact Information

Name PETE TRUJILLO

Phone No. (432) 215-5452

GENERATOR

NO. 588865

Operator No. 1001 W. WILSHIRE BLV
Address SUITE 206
City, State, Zip OKLAHOMA CITY, OK 73116
Phone No. 405-286-4391

Permit/RRC No. Lease/Well Name & No. BOONCH FC 0409 214 H
County EDPY
API No. 30-015-46608
Rig Name & No.
AFE/PO No.

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

Table with columns for Oil Based Muds, Water Based Muds, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, Gas Plant Waste, NON-INJECTABLE WATERS, and INJECTABLE WATERS.

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

PETE TRUJILLO (PRINT) AUTHORIZED AGENTS NAME DATE 04-25-23 SIGNATURE

TRANSPORTER

Transporter's Name KODIAK CARLSBAD
Address
Phone No.
Driver's Name RAFAEL
Print Name RAFAEL
Phone No. 786-31667
Truck No. 91

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

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No.

Site Name/ Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220
Phone No. 575-393-1079

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

TANK BOTTOMS

Table with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, BS&W (%)

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?
NAME (PRINT) DATE TITLE SIGNATURE

GENERATOR

NO. 588866

Operator No.
Operators Name: Nova Oil 3 GAS
Address: 1001 N. WILSHIRE BLVD SUITE 206
City, State, Zip: OKLAHOMA, OK 73116
Phone No.: 405-286-4391

Permit/RRC No. Lease/Well Name & No.: BOONVILLE 0409 214 H
County: EDDY
API No.: 30-015-4608
Rig Name & No.: P11A
AFE/PO No.

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

Table with columns for Oil Based Muds, Water Based Muds, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, Gas Plant Waste, NON-INJECTABLE WATERS, and INJECTABLE WATERS.

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

PETE TRUJILLO

(PRINT) AUTHORIZED AGENTS NAME

04-25-23

DATE

SIGNATURE

TRANSPORTER

Transporter's Name: KODIAK
Address:
Phone No.:

Driver's Name:
Print Name:
Phone No.:
Truck No.:

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 30151

Site Name/ Permit No.: Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No.: 575-393-1079

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

TANK BOTTOMS

Table with columns for Feet, Inches, BS&W/BBLs Received, Free Water, Total Received, BS&W (%)

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



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

Company Man Contact Information

Name: PETE TRUJILLO

Phone No. 432 215 5452

GENERATOR

NO. 588871

Operator No.
Operators Name: NOVO OIL & GAS
Address: 1001 W. WILSHIRE BLVD SUITE 206
City, State, Zip: OKLAHOMA CITY OK 73116
Phone No. 405-286-9391

Permit/RRC No. Lease/Well Name & No.: GOONCH FL 0409 214H E007
County: 30-015-46608
API No.
Rig Name & No.
AFE/PO No.

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

Table with columns for waste types: Oil Based Muds, Oil Based Cuttings, Water Based Muds, Water Based Cuttings, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, Gas Plant Waste, NON-INJECTABLE WATERS, WASHOUT WATERS, COMPLETION FLUID/FLOW BACK, PRODUCED WATER, GATHERING LINE WATER/WASTE, INTERNAL USE ONLY, TRUCK WASHOUT, INJECTABLE WATERS, WASHOUT WATERS, COMPLETION FLUID/FLOW BACK, PRODUCED WATER, GATHERING LINE WATER/WASTE, OTHER EXEMPT WASTES.

WASTE GENERATION PROCESS: DRILLING, COMPLETION, PRODUCTION, GATHERING LINES

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

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

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

QUANTITY: 18 B - BARRELS, L - LIQUID, Y - YARDS, E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information, RCRA Hazardous Waste Analysis, Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name: Kodak
Address: CARLSBAD
Phone No.

Driver's Name: Rose F. Farnsworth
Print Name:
Phone No. 506 533 9891
Truck No. 97

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT:

Name/No.

Site Name/Permit No.: Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

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

TANK BOTTOMS

Table with columns for Gauge (1st, 2nd) and units (Feet, Inches)

Table with columns for BS&W/BBLs Received, Free Water, Total Received, BS&W (%)

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



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

Company Man Contact Information

Name: PETE TRUJILLO Phone No: (405) 286-5150

GENERATOR

NO. 588894

Operator No. Operators Name: New Oil & Gas Address: 1001 W. WASHIRE BLDG SURE 206 City, State, Zip: OKLAHOMA CITY, OK 73116 Phone No: (405) 286-4391

Permit/RRC No. Lease/Well Name & No.: BOONCH FC 0409 214 H EOPY County: 30-015-46608 API No. RIG Name & No. AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and amounts. Includes sub-sections for NON-INJECTABLE WATERS, INJECTABLE WATERS, and INTERNAL USE ONLY.

WASTE GENERATION PROCESS: [] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount. All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other: *please select from Non-Exempt Waste List on back. QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- [X] RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
[] RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
[] MSDS Information [] RCRA Hazardous Waste Analysis [] Other (Provide Description Below)

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

PETE TRUJILLO (PRINT) AUTHORIZED AGENTS NAME

09-20-23 DATE

[Signature] SIGNATURE

TRANSPORTER

Transporter's Name: KODIAK Address: CARLSBAD Phone No.

Driver's Name: Gasol Franco Print Name: Phone No: 786 9537841 Truck No: 97

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

09/26/23 SHIPMENT DATE

[Signature] DRIVER'S SIGNATURE

09/26/23 DELIVERY DATE

[Signature] DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No.

Site Name/ Permit No. Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 Phone No. 575-393-1079

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

TANK BOTTOMS

Table with columns for Tank Bottoms measurements (1st Gauge, 2nd Gauge, Received) and BS&W/BBLs Received, Free Water, Total Received, BS&W (%).

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

[Signature] NAME (PRINT)

9/26 DATE

[Signature] TITLE

[Signature] SIGNATURE



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

Company Man Contact Information

Name: PETE TRUJILLO Phone No: (432) - 215 - 5452

GENERATOR

NO. 588897

Operator No. Operators Name: Move OIL & GAS Address: 1001 W. WILSHIRE BLVD SUITE 206 City, State, Zip: OKLAHOMA CITY, OK 73116 Phone No: 405 - 286 - 4391

Permit/RRC No. Lease/Well Name & No.: Goanchy Fc. 0409 21411 County: EDDY API No.: 30. D15 - 46608 Rig Name & No. AFE/PO No.

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

Table with columns for Oil Based Muds, NON-INJECTABLE WATERS, and INJECTABLE WATERS. Includes rows for Washout Water, Completion Fluid, Produced Water, and Gathering Line Water/Waste.

WASTE GENERATION PROCESS: [] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

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

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

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

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- [X] RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
[] RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
[] MSDS Information [] RCRA Hazardous Waste Analysis [] Other (Provide Description Below)

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

PETE TRUJILLO (PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name: Kodiak Address: Carlsbad Phone No: 305 608 6503

Driver's Name: ELLIOT ROBERTS Print Name: Phone No: 305 608 2703 Truck No: 08

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

SHIPMENT DATE: 4/26/23

DRIVER'S SIGNATURE

DELIVERY DATE: 4/26/23

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT:

Name/No.

Site Name/ Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No.: 575-393-1079

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

TANK BOTTOMS

Table with columns for Gauge (1st, 2nd), Feet, Inches, BS&W/BBLs Received, Free Water, Total Received, and BS&W (%).

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



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

Company Man Contact Information

Name: Pete Trujillo Phone No: 432-215-5452

GENERATOR

No. 588885

Operator No. Operators Name: Nova oil + gas Address: 1001 W. Wilshire Blvd Suite 206 City, State, Zip: Oklahoma City, OK 73116 Phone No: 405. 236 4391

Permit/RRC No. Lease/Well: Granch FC 0409 214H Name & No. County: 5614 API No. 30 015 46608 Rig Name & No. AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and amounts. Includes sub-sections for NON-INJECTABLE WATERS, INJECTABLE WATERS, and INTERNAL USE ONLY.

WASTE GENERATION PROCESS: [] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount. All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- [X] RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
[] RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
[] MSDS Information [] RCRA Hazardous Waste Analysis [] Other (Provide Description Below)

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

Signature: Pete Trujillo Date: 9-25-23

TRANSPORTER

Transporter's Name: Rodrick Print Name: RAFAEL Driver's Name: RAFAEL Address: CHICKEN Phone No. Truck No. 91

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

SHIPMENT DATE: 9-26-23 DRIVER'S SIGNATURE: DELIVERY DATE: 9-26-23 DRIVER'S SIGNATURE:

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No. 9

Site Name/Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 Phone No.: 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms measurements. Columns: Feet, Inches, BS&W/BBLs Received, Free Water, Total Received, BS&W (%).

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? NAME (PRINT): DATE: TITLE: SIGNATURE:



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

Name: PETE TAVJILLO
Phone No. (432) 215-5452

GENERATOR

NO. 588890

Operator No. _____
Operators Name: Novo Oil & Gas
Address: 1001 W. WILSHIRE BLVD
SUITE 206
City, State, Zip: OKLAHOMA CITY, OK 73116
Phone No.: (405) 286-4391

Permit/RRC No. _____
Lease/Well _____
Name & No.: BOONCH Fr. 0409 214 H
County: EDDY
API No.: 30-015-46608
Rig Name & No. _____
AFE/PO No. _____

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

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

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

PETE TAVJILLO
(PRINT) AUTHORIZED AGENTS NAME

04-26-23
DATE

[Signature]
SIGNATURE

TRANSPORTER

Transporter's Name: RODIAR
Address: CARLSBAD
Phone No. _____

Driver's Name: BACCHER
Print Name: [Signature]
Phone No. _____
Truck No. 991

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

SHIPMENT DATE: 4-25-23 DRIVER'S SIGNATURE: [Signature] DELIVERY DATE: 4-25-23 DRIVER'S SIGNATURE: [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. _____

Site Name/Permit No.: Halfway Facility / NM1-006 Phone No.: 575-393-1079
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

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

TANK BOTTOMS

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

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



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

Company Man Contact Information

Name: PETE TRUJILLO Phone No. (432) 215-5452

GENERATOR

NO. 588889

Operator No. Operators Name: Mavo Oil & Gas Address: 1001 W. WILSHIRE BLV SUITE 206 City, State, Zip: OKLAHOMA CITY, OK 73116 Phone No. (405) 286-4391

Permit/RRC No. Lease/Well Name & No.: BOONCH EC. 0409 214 H County: EDDY API No.: 30-015-46608 Rig Name & No. AFE/PO No.

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

Table with columns for Oil Based Muds, NON-INJECTABLE WATERS, and INJECTABLE WATERS. Includes rows for Washout Water, Completion Fluid, Produced Water, and Gathering Line Water/Waste.

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

PETE TRUJILLO (PRINT) AUTHORIZED AGENTS NAME

DATE 04.2.23

SIGNATURE

TRANSPORTER

Transporter's Name: Kodiak Address: Carlsbad Phone No. 305-628-1203

Driver's Name: Erica Gonzalez Print Name: Phone No. 205-628-1203 Truck No. 48

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

SHIPMENT DATE 11/26/23

DRIVER'S SIGNATURE

DELIVERY DATE 11/27/23

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT:

Name/No.

Site Name/ Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLs Received, Free Water, Total Received, and BS&W (%).

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



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

Company Man Contact Information

Name: PETE TRUJILLO

Phone No.: 431 215 3452

GENERATOR

NO. 588872

Operator No.
Operators Name: Nova Oil & Gas
Address: 1001 W. WILSHIRE BLVD SUITE 206 OKLAHOMA CITY, OK 73116
City, State, Zip: OKLAHOMA CITY, OK 73116
Phone No.

Permit/RRC No.
Lease/Well Name & No.: Goumen Fc. 0409 214 II
County: Eddy
API No.: 30-015-46609
Rig Name & No.
AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.), Non-Injectable Waters, and Injectable Waters. Includes checkboxes for various waste categories.

WASTE GENERATION PROCESS: [] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

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

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

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

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information
RCRA Hazardous Waste Analysis
Other (Provide Description Below)

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

PETE TRUJILLO (PRINT) AUTHORIZED AGENTS NAME DATE: 09.26.23 SIGNATURE

TRANSPORTER

Transporter's Name: Kodiak
Address: CHRIS BAI
Phone No.

Driver's Name: Noel Franco
Print Name:
Phone No.: 786 953 7841
Truck No.: 93

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

SHIPMENT DATE: 09/26/23 DRIVER'S SIGNATURE DELIVERY DATE: 09/26/23 DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No.

Site Name/Permit No.: Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220
Phone No.: 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, and BS&W (%).

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

NAME (PRINT) DATE TITLE SIGNATURE



Name: PETE T Phone No.: 432) 215-5452

GENERATOR

NO. 588868

Operator No. Operators Name: Novo Oil & Gas Address: 1001 W. WILSHIRE BLVD SUITE 206 City, State, Zip: OKLAHOMA CITY, OK 73116 Phone No.: 405-286-4391

Permit/RRC No. Lease/Well Name & No.: BOONCH FC 0409 214H County: EDDY API No.: 30-015-46608 Rig Name & No. AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Oil Based Cuttings, Water Based Muds, etc.) and sub-columns for NON-INJECTABLE WATERS and INJECTABLE WATERS.

WASTE GENERATION PROCESS: [] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

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

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

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

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

PETE TRUJILLO (PRINT) AUTHORIZED AGENTS NAME

04-25-23 DATE

[Signature] SIGNATURE

TRANSPORTER

Transporter's Name: KODIAK Address: Carlsbad Phone No.: 575 200 2051

Driver's Name: LAZARO LONADO Print Name: Phone No.: 575 200 2051 Truck No.: 00

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

SHIPMENT DATE: 04/25/23 DRIVER'S SIGNATURE: [Signature] DELIVERY DATE: 04/25/23 DRIVER'S SIGNATURE: [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No. 30137

Site Name/Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 Phone No.: 575-393-1079

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

TANK BOTTOMS

Table with columns for Tank Bottoms (Feet, Inches) and BS&W/BBLS Received (Free Water, Total Received).

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

Name: PETE TRUJILLO

Phone No. (432) 215-5452

GENERATOR

NO. 588867

Operator No.
Operators Name: Novo Oil & Gas
Address: 1001 W. WILSHIRE Blvd. SUITE 206
City, State, Zip: OKLAHOMA CITY, OK 73116
Phone No. 405-286-4391

Permit/RRC No.
Lease/Well Name & No. BOONCH FC 0409 214 H
County: EDDY
API No. 30-015-46608
Rig Name & No.
AFE/PO No.

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

Table with columns for Oil Based Muds, Water Based Muds, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, Gas Plant Waste, NON-INJECTABLE WATERS, and INJECTABLE WATERS.

WASTE GENERATION PROCESS: [] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

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

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

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

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information
RCRA Hazardous Waste Analysis
Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name: KODIAK
Address: CARLSBAD
Phone No. 505-609-0700

Driver's Name: Peter Gonzalez
Print Name:
Phone No. 505-608-6705
Truck No. 08

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT:

Name/No.

Site Name/ Permit No. Halfway Facility / NM-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

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

TANK BOTTOMS

Table with columns for Feet, Inches, BS&W/BBLs Received, Free Water, Total Received, and BS&W (%)

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

Name: PETE TRUJILLO

Phone No. (432) 215-5452

GENERATOR

NO. 588864

Operator No.

Permit/RRC No.

Operators Name: Movo oil & Gas

Lease/Well

Address: 1001 W WILSHIRE BLVD

Name & No.

BOONCH FC. 0409 214 H

Address: SUITE 206

County

County

City, State, Zip: OKLAHOMA CITY, OK 73116

API No.

30-015-46608

Phone No. 405-286-4391

Rig Name & No.

N/A

AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and identification categories (NON-INJECTABLE WATERS, INJECTABLE WATERS, etc.).

WASTE GENERATION PROCESS: DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES []

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

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

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

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information [] RCRA Hazardous Waste Analysis [] Other (Provide Description Below) []

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

PETE TRUJILLO

(PRINT) AUTHORIZED AGENTS NAME

04/25/23

DATE

[Signature]

SIGNATURE

TRANSPORTER

Transporter's Name: RODIAN

Driver's Name

Address: CARLSBAD

Print Name

Phone No.

Phone No.

Truck No.

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 50131

Site Name/ Permit No. Halfway Facility / NM-006

Phone No. 575-393-1079

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

NORM READINGS TAKEN? (Circle One) YES NO

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

PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

Feet Inches

Table for Tank Bottoms measurements (1st Gauge, 2nd Gauge, Received)

Table for Tank Bottoms measurements (BS&W/BBLs Received, Free Water, Total Received, BS&W (%))

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact information

(PLEASE PRINT)

Name PETE TRUJILLO

Phone No. (432) 215-5452

GENERATOR

NO. 631639

Operator No. _____
Operators Name NOVA OIL 3 GAS
Address 1001 W. WILSHIRE BLVD
SUITE 306
City, State, Zip OKLAHOMA CITY OK 73116
Phone No. (405) 286-4391

Permit/RRC No. _____
Lease/Well Name & No. BOONCH FC 0409 214 11
County EDDY
API No. 30-015-46084
Rig Name & No. N/A
AFE/PO No. _____

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

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

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

PETE TRUJILLO
(PRINT) AUTHORIZED AGENTS NAME

05-17-23
DATE

[Signature]
SIGNATURE

TRANSPORTER

Transporter's Name KODIAK
Address CARLSBAD
Phone No. _____

Driver's Name ROBERT SUTHER
Print Name 486803 1667
Phone No. _____
Truck No. 91

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

5-17-23 SHIPMENT DATE [Signature] DRIVER'S SIGNATURE

5-17-23 DELIVERY DATE [Signature] DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 50151

Site Name/ Permit No. Halfway Facility / NM1-006 Phone No. 575-393-1079
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

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

TANK BOTTOMS

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

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

[Signature]
NAME (PRINT)

5/17
DATE

[Signature]
TITLE

[Signature]
SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

Name PETE TRUJILLO

Phone No. 432 215 5452

GENERATOR

NO. 631638

Operator No.
Operators Name MOTO OIL SERVICES
Address 1001 W WILSHIRE BLVD SUITE 206
City, State, Zip OKLAHOMA CITY, OK 73116
Phone No. (405) 286 4391

Permit/RRC No.
Lease/Well Name & No. GOODCH FC 0409 214 H
County EDDY
API No. 30-015-46084
Rig Name & No.
AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Cuttings, etc.) and amounts. Includes sub-sections for NON-INJECTABLE WATERS, INJECTABLE WATERS, and INTERNAL USE ONLY.

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

PETE TRUJILLO (PRINT) AUTHORIZED AGENTS NAME

DATE 05-17-23

SIGNATURE

TRANSPORTER

Transporter's Name KODIAK
Address CARLSBAD
Phone No.

Driver's Name FRANK
Print Name
Phone No. 786 953 9841
Truck No. 97

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

SHIPMENT DATE 05/12/23

DRIVER'S SIGNATURE

DELIVERY DATE 05/12/23

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT:

Name/No. 10

Site Name/ Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, and BS&W (%).

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

NAME (PRINT)

DATE

TITLE

SIGNATURE



Name: Pete Treville
Phone No. (405) 215-4552

GENERATOR

NO. 631637

Operator No. _____
Operators Name Havo Gas & Oil
Address 1001 W. WILSHIRE BLVD
SUITE 206
City, State, Zip OKLAHOMA CITY, OK. 73116
Phone No. (405) 266-4391

Permit/RRC No. _____
Lease/Well _____
Name & No. Boonch Fr 0409 214 H
County EDDY
API No. 30-015-46084
Rig Name & No. _____
AFE/PO No. N/A

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

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

Pete Treville
(PRINT) AUTHORIZED AGENTS NAME

05-17-23
DATE

[Signature]
SIGNATURE

TRANSPORTER

Transporter's Name KODIAK
Address CARLSBAD
Phone No. _____

Driver's Name AZARO FORCADO
Print Name _____
Phone No. 575 200 2051
Truck No. 60

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

05/19/23
SHIPMENT DATE

[Signature]
DRIVER'S SIGNATURE

05/19/23
DELIVERY DATE

[Signature]
DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 50151

Site Name/Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

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

TANK BOTTOMS

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

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

[Signature]
NAME (PRINT)

5/17
DATE

[Signature]
TITLE

[Signature]
SIGNATURE



Name: Pete Trujillo
Phone No: (405) 215-5452

GENERATOR

NO. 631641

Operator No. _____
Operators Name: MUVO OIL & GAS
Address: 1001 W. WILSHIRE BLVD
SUITE 306
City, State, Zip: OKLAHOMA CITY - OK 73116
Phone No.: (405) 286-4391

Permit/RRC No. _____
Lease/Well Name & No.: Goodrich Fr 0409 214 H
County: MOJO
API No.: 30-015-46084
Rig Name & No. _____
AFE/PO No. _____

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

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

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

PETE TRUJILLO
(PRINT) AUTHORIZED AGENTS NAME

05-17-23
DATE

[Signature]
SIGNATURE

TRANSPORTER

Transporter's Name: _____
Address: _____
Phone No.: 17-23

Driver's Name: ALBERT S...
Print Name: _____
Phone No.: 91
Truck No.: 17-23

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 10

Site Name/ Permit No.: Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No.: 575-393-1079

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

TANK BOTTOMS

1st Gauge	Feet	Inches
2nd Gauge		
Received		

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

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

NAME (PRINT)

DATE

TITLE

SIGNATURE

(PLEASE PRINT)

Name PETE TRUJILLO

Phone No. 4321 215-5450

GENERATOR

NO. 631642

Operator No.
Operators Name: MUDS ON GAS
Address: 1001 W WILSHIRE BLVD SUITE 206
City, State, Zip: OKLAHOMA CITY OK 73116
Phone No.: (405) 286-4391

Permit/RRC No.
Lease/Well Name & No.: GOONCH FC 0409 210 11
County: EDDY
API No.: 30-015-46084
Rig Name & No.
AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Oil Based Cuttings, etc.) and volume/amount.

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information
RCRA Hazardous Waste Analysis
Other (Provide Description Below)

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

PETE TRUJILLO (PRINT) AUTHORIZED AGENTS NAME DATE 05-17-23 SIGNATURE

TRANSPORTER

Transporter's Name: WADIAK
Address: GARIS BAD
Phone No.
Driver's Name: ROSEL FRANCE
Print Name
Phone No.: 286 953 9891
Truck No.: 97

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

SHIPMENT DATE 05/19/23 DRIVER'S SIGNATURE DELIVERY DATE 05/18/23 DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No. 28

Site Name/ Permit No.: Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220
Phone No.: 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLs Received, Free Water, Total Received, BS&W (%).

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

NAME (PRINT) DATE TITLE SIGNATURE

GENERATOR NO. 631627
Operator No.
Operators Name: Major Oil & Gas
Address: 1001 W. WILSHIRE BLVD SUITE 206
City, State, Zip: OKLAHOMA CITY, OK 73116
Phone No: (405) 286-4391
Permit/RRC No.
Lease/Well Name & No.: Gooch 0409 214 H
County: TDDY
API No.: 30-015-46084
Rig Name & No.:
AFE/PO No.: N/A

Table with 3 columns: Waste Type, Amount, and Classification. Includes categories like Oil Based Muds, Water Based Muds, Produced Formation Solids, etc.

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

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

QUANTITY: 18 B - BARRELS, Y - YARDS, E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations... RCRA NON-EXEMPT: Oil field waste which is non-hazardous... MSDS Information, RCRA Hazardous Waste Analysis, Other (Provide Description Below), EMERGENCY NON-OILFIELD.

TRANSPORTER

Transporter's Name: KODIAK, Driver's Name: LAZARO LOPEZ, Address: CARLSBAD, Print Name, Phone No.: 575 200 2051, Truck No.: 60

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below. SHIPMENT DATE: 05/12/23, DRIVER'S SIGNATURE, DELIVERY DATE: 05/12/23, DRIVER'S SIGNATURE

TRUCK TIME STAMP: IN: , OUT: , DISPOSAL FACILITY, RECEIVING AREA Name/No.: 78

Site Name/Permit No.: Halfway Facility / NM1-006, Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220, Phone No.: 575-393-1079, NORM READINGS TAKEN? (Circle One) YES NO, If YES, was reading > 50 micro roentgens? (circle one) YES NO, PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

Table with 2 columns: Feet, Inches. Includes rows for 1st Gauge, 2nd Gauge, Received, BS&W/BBLS Received, Free Water, Total Received, BS&W (%)

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? NAME (PRINT), DATE, TITLE, SIGNATURE

Name: Pete Trujillo Phone No: 432 215 5453

GENERATOR

NO. 631625

Operator No. Operators Name: NWO Oil & Gas Address: 1001 W. WASHIKI BLVD SUITE 206 City, State, Zip: OKLAHOMA CITY OK 73116 Phone No: (405) 286-4391

Permit/RRC No. Lease/Well Name & No.: BOONCH FC 0409 214 H County: 1007 API No.: 30-015-46184 Rig Name & No. AFE/PO No.

Table with 3 columns: Waste Type, Non-Injectable Waters, and Injectible Waters. Includes rows for Oil Based Muds, Water Based Muds, Produced Formation Solids, etc.

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount. All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

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

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

Pete Trujillo (PRINT) AUTHORIZED AGENTS NAME DATE: 05-16-23 SIGNATURE

TRANSPORTER

Transporter's Name: Kodiak Address: CARLSBAD Phone No.

Driver's Name: Driver's Name Print Name: Phone No. Truck No.

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

SHIPMENT DATE: 05/16/23 DRIVER'S SIGNATURE: DELIVERY DATE: 05/16/23 DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No. 10

Site Name/Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 Phone No.: 575-393-1079

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

TANK BOTTOMS

Table with 4 columns: Feet, Inches, BS&W/BBLS Received, BS&W (%). Rows for 1st Gauge, 2nd Gauge, Received, Free Water, Total Received.

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

NAME (PRINT) DATE TITLE SIGNATURE



(PLEASE PRINT)

Name PETE TRULLO

Phone No. (432) 215-5452

GENERATOR

NO. 631643

Generator No. _____

Permit/RRC No. _____

Generator's Name Novo Oil 3 Gas

Lease/Well Name & No. Boonch 0409 214 H

Address 1001 W. WILSHIRE BLVD

County Edley

SUITE 206

API No. 30-015-46084

City, State, Zip OKLAHOMA CITY OK 73116

Rig Name & No. _____

Phone No. _____

AFE/PO No. _____

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

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

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

PETE TRULLO (PRINT) AUTHORIZED AGENTS NAME 05-17-23 DATE [Signature] SIGNATURE

TRANSPORTER

Transporter's Name [Signature] Driver's Name [Signature]

Address [Signature] Print Name [Signature]

Phone No. _____ Phone No. _____

Truck No. 91 Truck No. _____

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

SHIPMENT DATE 5-17-23 DRIVER'S SIGNATURE [Signature] DELIVERY DATE 5-17-23 DRIVER'S SIGNATURE [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. 78

Permit No. _____ Phone No. 575-393-1079

Address Halfway Facility / NM1-006

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

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

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

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

NAME (PRINT) _____ DATE _____ TITLE _____ SIGNATURE _____

GENERATOR

NO. 631626

Operator No. _____
 Operators Name Mono Oil & Gas
 Address 1001 W. WILSHIRE BLVD
Suite 306
 City, State, Zip OKLAHOMA CITY OK 73116
 Phone No. (405) 386-4391

Permit/RRC No. _____
 Lease/Well Name & No. Boonch 0409-214-11
 County DDY
 API No. 30-015-46084
 Rig Name & No. _____
 AFE/PO No. _____

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
 All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.
 Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)
PEPE TRUJILLO 05-16-23 _____
 (PRINT) AUTHORIZED AGENTS NAME DATE SIGNATURE

TRANSPORTER

Transporter's Name BAF 181 Driver's Name _____
 Address _____ Print Name _____
 Phone No. _____ Truck No. 91

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
10-23 _____ 10-23 _____
 SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: _____ OUT: _____	Site Name/Permit No. <u>Halfway Facility / NM1-006</u> Phone No. <u>575-393-1079</u>	Name/No. _____
	Address <u>6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220</u>	
	NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO	
	PASS THE PAINT FILTER TEST? (Circle One) YES NO	

TANK BOTTOMS

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

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

 NAME (PRINT) DATE TITLE SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

Name Pete Trujillo

Phone No. 432-215-5452

GENERATOR

NO. 588886

Operator No. _____

Permit/RRC No. _____

Operators Name Abn oil + gas

Lease/Well _____

Name & No. Goorch, LC 0409 214H

Address 1001 W. Wilshire Blvd

County _____

API No. _____

City, State, Zip Site 206 Oklahoma city, OK 73116

Rig Name & No. _____

Phone No. 405-286-4391

AFE/PO No. _____

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

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENT'S NAME Pete Trujillo

DATE 9-20-23

SIGNATURE [Signature]

TRANSPORTER

Transporter's Name KODIAK
Address Carlsbad
Phone No. _____

Driver's Name RAFAEL SANCHEZ
Print Name 760-33667
Phone No. _____
Truck No. 91

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

SHIPMENT DATE 9-2-23

DRIVER'S SIGNATURE [Signature]

DELIVERY DATE 9-2-23

DRIVER'S SIGNATURE [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 28

Site Name/Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

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

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

NAME (PRINT) [Signature]

DATE _____

TITLE _____

SIGNATURE [Signature]



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

Company Man Contact Information

Name: Pete Treviño Phone No. 4321 215-5452

GENERATOR

NO. 631629

Operator No. Operators Name: Nova Oil & Gas Address: 1001 W. WILSHIRE BLVD SUITE 206 City, State, Zip: OKLAHOMA CITY OK 73116 Phone No. (405) 286 4391

Permit/RRC No. Lease/Well Name & No. 6000CH FC 0409 219 H County: EDDY API No. 30-015-46089 Rig Name & No. AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Cuttings, etc.), NON-INJECTABLE WATERS, INTERNAL USE ONLY, and INJECTABLE WATERS.

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

Pete Treviño (PRINT) AUTHORIZED AGENT'S NAME DATE: 05-16-23 SIGNATURE

TRANSPORTER

Transporter's Name: KADIAK ADDRESS: CONSIDERATION Driver's Name: DANIEL S. MILLER Print Name: DANIEL S. MILLER Phone No. 214-513-1067 Truck No. 91

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

SHIPMENT DATE: 5-16-23 DRIVER'S SIGNATURE DELIVERY DATE: 5-16-23 DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No. 28

Site Name/ Permit No. Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 Phone No. 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Gauge (1st, 2nd), Received, Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, BS&W (%)

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

NAME (PRINT) DATE TITLE SIGNATURE



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

Company Man Contact Information

Name: PETE TRUJILLO Phone No.: (432) 215-5452

GENERATOR

NO. 631624

Operator No. Operators Name: NOVO OIL 36AC Address: 1001 W. WILSHIRE BLV. SUITE 206 City, State, Zip: OKLAHOMA CITY - OK 73116 Phone No.: (405) 286-4391

Permit/RRC No. Lease/Well Name & No.: BOONCHAI FC 0409 214 H County: EDDY API No.: 20-015-46084 Rig Name & No. AFE/PO No.

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

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and categories (NON-INJECTABLE WATERS, INTERNAL USE ONLY, etc.)

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

(PRINT) AUTHORIZED AGENTS NAME: PITE TRUJILLO

DATE: 05-16-23

SIGNATURE: [Signature]

TRANSPORTER

Transporter's Name: KODIAK ADDRESS: CARLSBAD Phone No.

Driver's Name: ADRIAN S... Print Name: 250503 (667) Phone No. Truck No.: 91

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

SHIPMENT DATE: 5-16-23

DRIVER'S SIGNATURE: [Signature]

DELIVERY DATE: 5-16-23

DRIVER'S SIGNATURE: [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT:

Name/No.: 10

Site Name/ Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No.: 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms measurements in Feet and Inches for 1st and 2nd Gauges.

Table for Tank Bottoms fluid analysis: BS&W/BBLs Received, Free Water, Total Received, BS&W (%)

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

NAME (PRINT)

DATE

TITLE

SIGNATURE

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



(PLEASE PRINT)

Name PETE TRUJILLO

Phone No. (432) 215-5452

GENERATOR

NO. 631622

Operator No.
Operators Name: Movo Oil 3 Gas
Address: 1001 W. WILSHIRE BLVD SUITE 206
City, State, Zip: OKLAHOMA CITY, OK 73116
Phone No. (405) 286-4391

Permit/RRC No.
Lease/Well Name & No.: BOONCH FC 0409 214 H
County: CDDY
API No.: 30-015-46084
Rig Name & No.
AFE/PO No.

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and amounts. Includes 'EXEMPT E&P Waste/Service Identification and Amount' and 'WASTE GENERATION PROCESS' (DRILLING, COMPLETION, PRODUCTION, GATHERING LINES).

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.
Non-Exempt Other: *please select from Non-Exempt Waste List on back

QUANTITY: 18 B - BARRELS, L - LIQUID, Y - YARDS, E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information, RCRA Hazardous Waste Analysis, Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)
Authorized Agent: PETE TRUJILLO, DATE: 05-16-23, SIGNATURE: [Signature]

TRANSPORTER

Transporter's Name: KODIAK
Address: OADCBAD
Phone No.
Driver's Name: [Signature]
Print Name:
Phone No.: 60
Truck No.: 2869539841

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
SHIPMENT DATE: 05/16/23, DRIVER'S SIGNATURE: [Signature], DELIVERY DATE: 05/16/23, DRIVER'S SIGNATURE: [Signature]

Table with columns: TRUCK TIME STAMP (IN, OUT), DISPOSAL FACILITY (Name, Address, Phone No.), RECEIVING AREA (Name/No.). Includes permit info for Halfway Facility / NM1-006.

TANK BOTTOMS

Table for Tank Bottoms measurements: 1st Gauge, 2nd Gauge, Received, BS&W/BBLs Received, Free Water, Total Received, BS&W (%).

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?
Name (PRINT), DATE, TITLE, SIGNATURE

Name: PETE TR... Phone No.: 427-215-5452

GENERATOR

NO. 631648

Operator No. Operators Name: NEW OIL & GAS Address: 1001 W. WILSHIRE BLVD 206 SUITE City, State, Zip: OKLAHOMA CITY, OK 73116 Phone No.: (405) 286-4391

Permit/RRC No. Lease/Well Name & No.: BOONCH FE. 0409 214H County: EDGAR API No.: 30-015-46084 RIG Name & No. AFE/PO No.

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

Table with columns for Oil Based Muds, Oil Based Cuttings, Water Based Muds, Produced Formation Solids, Tank Bottoms, E&P Contaminated Soil, Gas Plant Waste, NON-INJECTABLE WATERS, and INJECTABLE WATERS.

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)
EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENT'S NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Address Phone No.

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

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

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No.

Site Name/ Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 Phone No.: 575-393-1079

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

TANK BOTTOMS

Table with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, and BS&W (%).

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

NAME (PRINT)

DATE

TITLE

SIGNATURE

GENERATOR

NO. 631646

Operator No. _____
Operators Name Mojo oil and Gas
Address 1001 W. WILSHIRE BLVD
SUITE 206
City, State, Zip OKLAHOMA CITY OK 73116
Phone No. (405) 286-4391

Permit/RRC No. _____
Lease/Well Name & No. GOONCH FC 0409 214 H
County FOODY
API No. 30-015-46084
Rig Name & No. _____
AFE/PO No. _____

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

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

PETE TRUJILLO (PRINT) AUTHORIZED AGENT'S NAME 05-23-23 DATE PETE TRUJILLO SIGNATURE

TRANSPORTER

Transporter's Name _____
Address _____
Phone No. _____

Driver's Name R. Lopez
Print Name _____
Phone No. _____
Truck No. 91

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

SHIPMENT DATE _____ DRIVER'S SIGNATURE _____ DELIVERY DATE 05-23-23 DRIVER'S SIGNATURE PETE TRUJILLO

TRUCK TIME STAMP IN: _____ OUT: _____ DISPOSAL FACILITY _____ RECEIVING AREA Name/No. _____

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 575-393-1079
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

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

TANK BOTTOMS

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

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

LAUREN NAME (PRINT) 05-23-23 DATE LAUREN TITLE LAUREN SIGNATURE

GENERATOR

NO. 631647

Operator No. _____
 Operators Name Moro Oil & Gas
 Address 1001 W. WILSHIRE BLVD
206 SUITE
 City, State, Zip OKLAHOMA CITY - OK 73116
 Phone No. (405) 286-4391

Permit/RRC No. _____
 Lease/Well Name & No. BOONCH FC 0409 214 H
 County EDDY
 API No. 30-015-46084
 Rig Name & No. _____
 AFE/PO No. _____

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

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

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

Pete Trevillo
 (PRINT) AUTHORIZED AGENTS NAME

05-23-23
 DATE

[Signature]
 SIGNATURE

TRANSPORTER

Transporter's Name Kodia K
 Address CARLSBAD
 Phone No. _____

Driver's Name Saul Franco
 Print Name _____
 Phone No. 286 953 9841
 Truck No. _____

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

05/23/23
 SHIPMENT DATE

DRIVER'S SIGNATURE

05/23/23
 DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 0

Site Name/ Permit No. Halfway Facility / NM1-006
 Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

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

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____
[Signature] 5/23/23 [Title] [Signature]
 NAME (PRINT) DATE TITLE SIGNATURE

GENERATOR

NO. 631649

Operator No. Operators Name: Novo Oil & Gas Address: 1001 W. WILSHIRE BLVD 206 SUITE City, State, Zip: OKLAHOMA CITY, OK 73116 Phone No.: (406) 286-4391

Permit/RRC No. Lease/Well Name & No.: 630N/14 TC. 0409 214H County: EDNY API No.: 30-015-46084 Rig Name & No. AFE/PO No.

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

Table with 3 columns: Waste Type, Volume, and Description. Includes categories like Oil Based Muds, Non-Injectable Waters, and Internal Use Only.

WASTE GENERATION PROCESS: [] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

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

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

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

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

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

PETE TRUJILLO (PRINT) AUTHORIZED AGENTS NAME DATE: 05-23-23 SIGNATURE

TRANSPORTER

Transporter's Name: Korte Environmental Services Driver's Name: Rachel Brown Address: 4116 Carlsbad, NM Carlsbad Phone No.: 575-393-1079 Truck No.: 91

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

SHIPMENT DATE: 05/23/2023 DRIVER'S SIGNATURE: [Signature] DELIVERY DATE: 05/23/2023 DRIVER'S SIGNATURE: [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No. [Signature]

Site Name/Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 Phone No.: 575-393-1079

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

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, and BS&W (%).

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? [Signature] NAME (PRINT) DATE TITLE SIGNATURE

GENERATOR

NO. 631620

Operator No. _____
 Operators Name MICHAEL GIL GOS
 Address 1001 W. MADISON BLVD
30110
 City, State, Zip OKLAHOMA CITY, OK 73114
 Phone No. 405-951-4100

Permit/RRC No. _____
 Lease/Well Name & No. Boonville #1-0409-27411
 County BOONVILLE
 API No. 30-015-41084
 Rig Name & No. _____
 AFE/PO No. _____

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

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.
 *please select from Non-Exempt Waste List on back

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

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating that waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)
- EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME _____ DATE _____ SIGNATURE _____

TRANSPORTER

Transporter's Name _____ Driver's Name _____
 Address _____ Print Name _____
 Phone No. _____ Truck No. _____

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

SHIPMENT DATE _____ DRIVER'S SIGNATURE _____ DELIVERY DATE _____ DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Site Name/ Permit No. Halfway Facility / NM1-006 Phone No. 575-393-1079
 Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220
 NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
 PASSED THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

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

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

NAME (PRINT) _____ DATE _____ TITLE _____ SIGNATURE _____

Name: PETE TRUJILLO Phone No.: (432) 215-5457

GENERATOR

NO. 631645

Operator No. Operators Name: Hovon Oil Services Address: 1001 W. WILSHIRE Blvd Suite 206 City, State, Zip: OKLAHOMA CITY - OK 73116 Phone No.: (405) 286-4341

Permit/RRC No. Lease/Well Name & No.: 600CH FC 0409 014 H County: EDDY API No.: 30-015-46089 Rig Name & No. AFE/PO No.

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and categories (EXEMPT E&P Waste, NON-INJECTABLE WATERS, INJECTABLE WATERS, etc.). Includes checkboxes for WASTE GENERATION PROCESS: DRILLING, COMPLETION, PRODUCTION, GATHERING LINES.

NON-EXEMPT E&P Waste/Service Identification and Amount. All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)
Signature: PETE TRUJILLO Date: 05-23-23

TRANSPORTER

Transporter's Name: Kwikpak Address: Phone No.: Driver's Name: Print Name: Phone No.: Truck No.:

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

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

Table with columns: TRUCK TIME STAMP (IN: OUT:), DISPOSAL FACILITY, RECEIVING AREA (Name/No. 8)

Site Name/Permit No.: Halfway Facility / NM1-005 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 Phone No.: 575-393-1079

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

TANK BOTTOMS

Table for TANK BOTTOMS with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, BS&W (%)

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

NAME (PRINT) DATE TITLE SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

Name: PETE TRUJILLO
Phone No. (432) 215-0152

GENERATOR

NO. 631644

Operator No. _____
Operators Name: Now oil & gas
Address: 1001 W. WILSHIRE BLVD
SUITE 206
City, State, Zip: OKLAHOMA CITY OK 73116
Phone No.: (405) 286-4391

Permit/RRC No. _____
Lease/Well Name & No.: GONCH FC 0409 214 H
County: Eddy
API No.: 30-015-46084
Rig Name & No. _____
AFE/PO No. _____

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

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

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

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

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

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

QUANTITY: 18 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

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

PETE TRUJILLO
(PRINT) AUTHORIZED AGENTS NAME

05-23-23
DATE

[Signature]
SIGNATURE

TRANSPORTER

Transporter's Name: Washlink
Address: _____
Phone No.: _____

Driver's Name: [Signature]
Print Name: _____
Phone No.: 305-618-6213
Truck No.: 18

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

SHIPMENT DATE: 05/23/23

DRIVER'S SIGNATURE: [Signature]

DELIVERY DATE: _____

DRIVER'S SIGNATURE: _____

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 8

Site Name/Permit No.: Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No.: 575-393-1079

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

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

I hereby certify that the above load material has been (circle one): ACCEPTED NO DENIED If denied, why? _____

[Signature]
NAME (PRINT)

5/23/23
DATE

[Signature]
TITLE

[Signature]
SIGNATURE

GENERATOR
Operator No.
Operators Name: Mayo oil & GAS
Address: 1001 W. WILSHIRE BLVD, 306 SUITE
City, State, Zip: OKLAHOMA CITY, OK 73116
Phone No.: (405) 286-4391
Permit/RRC No.
Lease/Well Name & No.: BOONCH FC 0409 214 11
County: CODY
API No.: 30-015-46804
Rig Name & No.
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)
Table with columns: Waste Type, Volume, and Classification. Includes categories like Oil Based Muds, Water Based Muds, Produced Formation Solids, etc.

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.
Non-Exempt Other: *please select from Non-Exempt Waste List on back

QUANTITY: 18 B - BARRELS, Y - YARDS, E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)
RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
MSDS Information, RCRA Hazardous Waste Analysis, Other (Provide Description Below)
EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)
Authorized Agent Name: [Signature], DATE: 05 23 23, SIGNATURE: [Signature]

TRANSPORTER
Transporter's Name: [Signature]
Address: [Signature]
Phone No.: [Signature]
Driver's Name: [Signature]
Print Name: [Signature]
Phone No.: [Signature]
Truck No.: [Signature]

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
SHIPMENT DATE: [Signature], DRIVER'S SIGNATURE: [Signature], DELIVERY DATE: [Signature], DRIVER'S SIGNATURE: [Signature]

TRUCK TIME STAMP: IN: [Signature], OUT: [Signature]
DISPOSAL FACILITY: Name/No. [Signature]
RECEIVING AREA: Name/No. [Signature]
Site Name/Permit No.: Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220
Phone No.: 575-393-1079
NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS
Table with columns: Feet, Inches, BS&W/BBLs Received, Free Water, Total Received, BS&W (%).

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? [Signature]
NAME (PRINT): [Signature], DATE: [Signature], TITLE: [Signature], SIGNATURE: [Signature]

**Release Response Action Completion
& Closure Report
Incident ID No. nAPP2307966624
Novo Oil & Gas Goonch Fed Com 0409-214H Release
Discovery Date: March 18, 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***

September 20, 2023



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ACRONYMS AND ABBREVIATIONS

- Altamira Altamira-US, LLC
- Novo Novo Oil & Gas Northern Delaware, LLC
- bgs below ground surface
- mg/Kg milligram per kilogram
- NMOCD New Mexico Oil Conservation District
- BLM Bureau of Land Management
- 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 “Goonch Fed Com 0409-214H” (Goonch Pad-H) located in Unit M, Section 33, T22S, R28E, in Eddy County, New Mexico. On March 18, 2023, at approximately 5:00pm, field personnel for Novo Oil & Gas discovered a release of crude oil liquids associated with a 4-inch production flow line at latitude 32.34321760°, longitude -104.08546710° (**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 March 18, 2023, at approximately 5:00 pm, Novo personnel identified a release of crude oil liquids from a 4-inch production flow line. Approximately five barrels of crude oil liquids released onto the adjacent pad area. The release was contained to the immediate area of the pad. Upon discovery of the release, Novo was able to shut in flow to the line. The release affected the southwest portion of the pad area on the Goonch Pad-H of approximately 50' x 10' (**Figure 3**) and was irregular shaped.

Novo Oil & Gas estimated approximately five barrels of crude oil liquids were released; and approximately three 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. Notification was provided by Bryan Haney to the NMOCD and BLM via email on March 20, 2023. The initial online release notification was submitted to the NMOCD on March 20, 2023. The OCD issued incident ID# nAPP2307966624. Form C-141 Release Notification was prepared and submitted online with payment on March 23, 2023. Written notification of the release (BLM Major Undesirable Event Report) was also provided to the BLM on March 23, 2023. Copies of the C-141 Release Notification form and BLM Major Undesirable Event Report are provided in **Appendix A**.

1.3 Project Objectives

The project objectives were to: 1) conduct initial release cleanup efforts, 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. The Site is located on property owned by the BLM.

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Novo Oil & Gas – Goonch Fed Com 0409-214H Release
Discovery Date: March 18, 2023

2.0 STANDARD OF CARE, LIMITATIONS, & RELIANCE

2.1 Standard of Care

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

2.2 Additional Limitations

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

3.0 RECEPTOR AND WATER SOURCES SURVEY

3.1 Wellhead Protection Discussion

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

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

3.2 Significant Water Source Discussion

Altamira conducted a review of the significant watercourses nearest the release area. The Pecos River is located approximately 0.39 miles west of the Site. The release did not result in any adverse effects to the Pecos River. Salt Lake is located approximately 4.5 miles southeast of the Site area. No other watercourses were identified within a 0.5-mile radius of the release area.

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3.3 Determination of Depth to Groundwater

A soil boring was installed east of the point of release and was advanced to a depth of 50-feet below ground surface. Soil boring SB-1 was installed during assessment of an adjacent Site. The purpose of advancing soil boring SB-1 to 50-feet was to determine if groundwater was present below 50-feet. During boring advancement, variations of dry unconsolidated soil and rock were observed (refer to **Appendix B** – Boring Record SB-1). During advancement of soil boring SB-1, groundwater (saturation) was encountered at approximately 46.5 feet below ground surface. The borehole was advanced to 50 feet below ground surface and allowed to stay open for a period of time. The presence of groundwater was verified with an electronic water level probe.

Based on the lines of evidence provided above, groundwater appears to be shallower than 50-feet below ground surface in the area of the release. Based on this site-specific groundwater data, analytical data results were compared to Closure Criteria for groundwater encountered at depths less than 50 feet below ground surface.

4.0 REMEDIATION

Based on the volume of the release (minor – estimated 5-barrels), Novo determined the best course of action was to move directly to remediation of the affected soil located on Goonch Pad-H. Affected soil remediation was conducted on the on-site property between March 25, 2023 through September 6, 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**.

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

4.2 Soil Remediation Activities

Altamira and Novo provided notification to the OCD via email (**Appendix A**) on March 31, 2023 regarding the intent to conduct soil remediation and confirmation soil sampling at the Novo Ovation Pad-O release area. This in addition to the initial agency notifications of immediate release response activities.

During March through September 2023, Novo conducted soil remediation and reclamation activities on the Goonch Pad-H facility at and surrounding the 4-inch production flowline. (on-pad and off-pad areas (refer to **Figure 3**). The visible release footprint was irregular shaped and appeared to be contained on the southwest corner of Pad-H. 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 G-1 through G-47 (**Figure 3**). The overall dimensions of the gridded and remediated area were approximately 135 feet by 60 feet. The overall remediation area was larger than the original irregular shaped estimated release area due to observed subsurface affected soil 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 Goonch Pad-H area. Native material below the pad base consisted of a reddish silty sand and abundant consolidated rock. The off-pad area located west of the Goonch Pad-H consisted of native reddish silty sand and abundant consolidated rock with sparse native vegetation.

Rouge Services was contracted by Novo to conduct the soil excavation, loading, and hauling. Affected mechanical soil excavation and hydro-excavation began on March 25, 2023, and continued through July 31, 2023. Excavated soil was either stockpiled on plastic sheeting or direct loaded to trucks. Water and saturated soils derived from hydro-excavation were placed into a plastic lined and bermed area and allowed to dry prior to transport and disposal. Soil within each grid was initially excavated to two feet below ground surface. Following excavation at each grid, confirmation soil samples were collected and submitted to Cardinal Laboratories for analysis. Based on initial analytical data results, the excavation area was extended vertically and laterally until each grid floor and each side-wall exhibited TPH, BTEX, and chloride concentrations less than the Closure Criteria.

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

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Discovery Date: March 18, 2023

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 1 – 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 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**.

5.0 DATA RESULTS & EVALUATION

Altamira utilized guidance from 19.15.29 NMAC, specifically *Table 1 - 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 investigated and determined to be present at approximately 46.5 feet below ground surface. 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. Side-walls were set up so that each side-wall was within the 200 square foot requirement. The remediation area and associated sample grids are depicted on **Figure 3**.

5.1 Confirmation Soil Sampling Results

5.1.1 Chlorides

Initial analytical results for chlorides exceeded 600 mg/kg in various soil samples from two feet to depths of 16-feet below ground surface. Analytical data showed that much of the deeper impacts to soil and rock were within the northwest portion of the remediation area. Evaluation of chloride concentrations showed attenuation of chlorides with depth. With chlorides being the predominate constituent of concern, soil and rock excavation continued in depth until chloride concentrations were detected below 600 mg/kg. Since the excavation was extended in each direction beyond the physical indications of the release, chloride concentrations on the side-walls demonstrated concentrations 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. Analysis of TPH was conducted on deeper soil samples as necessary until TPH fractions and total TPH were below the Closure Criteria. TPH impacts to soil and rock were deepest (14-feet below ground surface) at grids G-6, G-9, and G-13, but attenuated within the next sample depth interval. These grids were located immediately adjacent to the pipeline corridor. In general, TPH concentrations were elevated and identified deeper along the production flowline. Analytical results showed TPH concentrations attenuated at depth to 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

BTEX was analyzed on all initial confirmation soil samples. 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 benzene and BTEX concentrations were either not detected above the laboratory reporting limit or if detected were below the applicable Closure Criteria. **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 and rock 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 NMOCD 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 two feet to the total depth of the excavation was backfilled using native topsoil (similar to existing silty-sandy very fine-grained soil) from a landowner's property located 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. The remediation area west of the Goonch Pad-H was backfilled with the same native soil. 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.

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 Novo Oil & Gas – Goonch Fed Com 0409-214H Release
 Discovery Date: March 18, 2023

On September 6, 2023, the Site was seeded using BLM seed mix #2 and a seed drill. Crisha Morgan of the BLM provided Altamira seed mix instructions in an email dated April 4, 2023.

“Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding”.

Species planted in pounds of pure live seed* per acre:

Species

	<u>lb/acre</u>
Sand dropseed (<i>Sporobolus cryptandrus</i>)	1.0
Sand love grass (<i>Eragrostis trichodes</i>)	1.0
Plains bristlegrass (<i>Setaria macrostachya</i>)	2.0

Following seeding the Site area was watered and followed by minor rainfall. Routine inspection of the BLM property remediated and reclaimed has not revealed any erosion.

7.0 CONCLUSIONS

On March 18, 2023, Novo personnel identified a minor release from a 4-inch production flowline lead between the wellhead and central tank battery on the southwest corner of Goonch Pad-H. Approximately 5-barrels of crude oil liquids released onto the adjacent pad area. The release was contained to the immediate area on the southwest corner of the Goonch Pad-H. Upon discovery of the release, Novo was able to shut in flow to the unit.

Approximately 5-barrels of crude oil liquids were released; and approximately 3-barrels of crude oil liquids were recovered using vacuum trucks and removal of affected soil. During March through September 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: nAPP2307966624.



FIGURES

CITY:(Reqd) DIV:GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON="OFF"REF*
P:Novo Oil & Gas\NVONM2303 - Goonch Flow Line Release\Figures-Maps\NVONM2303 - GOONCH.dwg LAYOUT: FIGURE 2 SAVED: 8/11/2023 4:10 PM ACADVER: 24.3S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 8/11/2023 4:11 PM BY: AARON LOZANO



NOT TO SCALE

NOVO OIL & GAS
GOONCH FED COM 0409-214H
FLOWLINE RELEASE
INCIDENT ID: nAPP2307966624

SITE LOCATION MAP

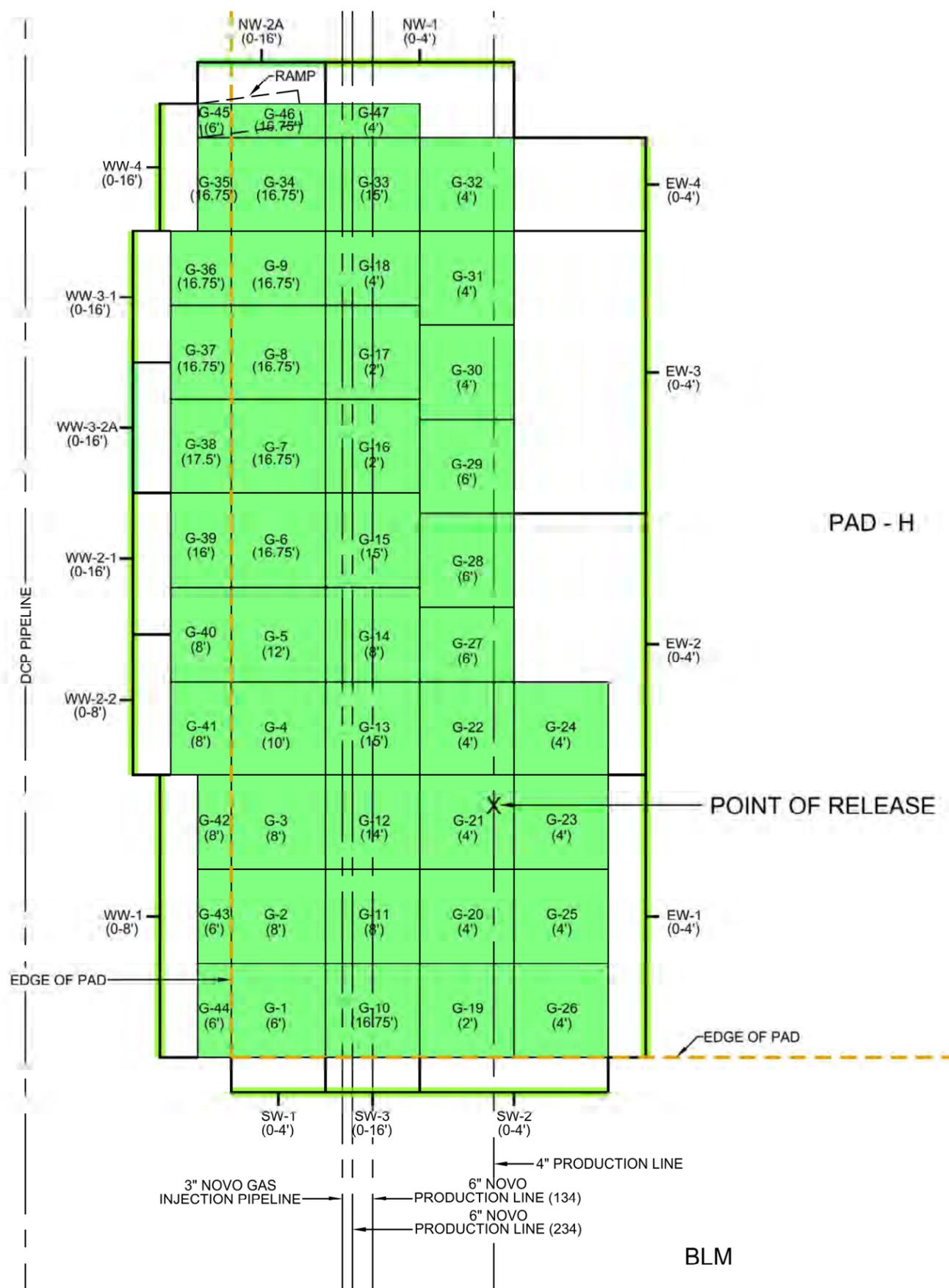


FIGURE

2

CITY:(Reqd) DIV:GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON="OFF"REF*
 P:Novo Oil & Gas\NVONM2303 - Goonch Flow Line Release\Figures-Maps\NVONM2303 - GOONCH.dwg LAYOUT: FIGURE 3 SAVED: 8/3/2023 7:52 AM ACADVER: 24.3S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 8/3/2023 7:52 AM BY: AARON LOZANO

N 32.34321760
 W -104.08546710
 DISCOVERY DATE: 03/18/2023



NOTES:

1. DEPTH TO GROUNDWATER IS <51' BGS
2. SAMPLE GRIDS < 200ft² AREAS

TABLE I NMOCD CLOSURE CRITERIA FOR SOILS (mg/kg) (DEPTH TO GROUNDWATER < 51 FEET BGS)				
DEPTH	CHLORIDE	TOTAL TPH	BTEX	BENZENE
0-4'	600	100	50	10
4'-+	600	100	50	10

LEGEND:

- G-1 CONFIRMATION SOIL SAMPLE LOCATION & GRID
- G-1 SAMPLE GRID - ANALYTICAL RESULTS MEET NMOCD CLEANUP CRITERIA
- GOONCH H-PAD BOUNDARY



0 20'
 Approximate Scale

NOVO OIL & GAS
 GOONCH FED COM 0409-214H
 FLOWLINE RELEASE
 INCIDENT ID: nAPP2307966624

**SITE PLAN & SAMPLE LOCATION MAP
 (RELEASE 03/18/2023)**

FIGURE
3



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 - Goonch Fed Com 0409-214H Flow Line Release
Incident ID: nAPP2307966624
Near Loving, Eddy County, New Mexico

Analyte Method		Chloride 4500-CI-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							
G-1 (24-27")	3/27/2023	3,920	44.3	<0.1	845	3830	170	4845
G-1 (48-51")	5/2/2023	1,150	-	-	<10	<10	<10	<10
G-1 (72-75")	5/15/2023	576	-	-	-	-	-	-
G-2 (24-27")	3/27/2023	5,200	18.4	<0.05	654	5380	289	6323
G-2 (48-51")	5/2/2023	3,080	-	-	<10	828	44	872
G-2 (72-75")	5/15/2023	1,340	-	-	<10	110	<10.0	110
G-2 (96-99")	5/23/2023	240	-	-	<10	<10	<10	<10
G-3 (24-27")	3/27/2023	24,800	8.73	<0.05	223	3170	201	3594
G-3 (48-51")	5/2/2023	5,520	-	-	<10	967	34.8	1001.8
G-3 (72-75")	5/15/2023	2,240	-	-	<10	405	17.6	422.6
G-3 (96-99")	5/23/2023	192	-	-	<10	<10	<10	<10
G-4 (24-27")	3/27/2023	42,400	43.3	<0.05	2250	15500	844	18594
G-4 (48-51")	5/2/2023	19,000	-	-	<10	304	26.9	330.9
G-4 (72-75")	5/15/2023	2,920	-	-	<10	608	33.8	641.8
G-4 (96-99")	5/23/2023	6,800	-	-	<10	<10	<10	<10
G-4 (120-123")	5/26/2023	576	-	-	-	-	-	-
G-5 (24-27")	3/27/2023	31,600	2.03	<0.05	51.5	2520	198	2769.5
G-5 (48-51")	5/2/2023	12,800	-	-	<10	282	<10	282
G-5 (72-75")	5/15/2023	4,520	-	-	<10	230	11.9	241.9
G-5 (96-99")	5/23/2023	3,760	-	-	23.2	734	43.2	800.4
G-5 (120-123")	5/26/2023	2,280	-	-	<10	217	15.1	232.1
G-5 (144-147")	6/2/2023	416	-	-	<10	13.8	<10	13.8
G-6 (24-27")	3/27/2023	24,800	10.8	<0.05	754	15100	829	16683
G-6 (48-51")	5/2/2023	15,000	-	-	10.8	1090	66.3	1167.1
G-6 (72-75")	5/15/2023	3,800	-	-	<10	204	<10	204
G-6 (96-99")	5/23/2023	5,760	-	-	<10	213	<10	213
G-6 (120-123")	5/26/2023	3,360	-	-	<10	228	14.5	242.5
G-6 (144-147")	6/2/2023	4,800	-	-	<10	109	<10	109
G-6 (168-171")	6/9/2023	1,220	-	-	<10	95	29.9	124.9
G-6 (192-195")	6/15/2023	928	-	-	<10	<10	<10	<10
G-6 (201-204")	7/27/2023	240	-	-	-	-	-	-

Table 1
Analytical Data Summary -
Post Excavation Soil Samples (mg/kg)
Novo Oil Gas - Goonch Fed Com 0409-214H Flow Line Release
Incident ID: nAPP2307966624
Near Loving, Eddy County, New Mexico

Analyte Method		Chloride 4500-CI-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							
G-7 (24-27")	3/27/2023	28,000	28.7	<0.50	2220	29900	1630	33750
G-7 (48-51")	5/2/2023	720	-	-	<10	109	<10	109
G-7 (72-75")	5/15/2023	5,840	-	-	30.6	885	48.5	933.5
G-7 (96-99")	5/23/2023	5,680	-	-	<10	164	<10	164
G-7 (120-123")	5/26/2023	11,100	-	-	<10	103	<10	103
G-7 (144-147")	6/2/2023	3,720	-	-	<10	81.3	<10	81.3
G-7 (168-171")	6/9/2023	2,400	-	-	-	-	-	-
G-7 (192-195")	6/15/2023	1,020	-	-	-	-	-	-
G-7 (201-204")	7/27/2023	304	-	-	-	-	-	-
G-8 (24-27")	3/27/2023	36,000	2.06	<0.05	92.9	3520	235	3847.9
G-8 (48-51")	5/2/2023	960	-	-	<10	142	<10	142
G-8 (72-75")	5/15/2023	4,840	-	-	377	4360	215	4575
G-8 (96-99")	5/23/2023	6,000	-	-	<10	91.1	<10	91.1
G-8 (120-123")	5/26/2023	15,400	-	-	-	-	-	-
G-8 (144-147")	6/2/2023	4,960	-	-	-	-	-	-
G-8 (168-171")	6/9/2023	2,200	-	-	-	-	-	-
G-8 (192-195")	6/15/2023	1,570	-	-	-	-	-	-
G-8 (201-204")	7/27/2023	416	-	-	-	-	-	-
G-9 (24-27")	3/27/2023	20,800	2.32	<0.05	289	17400	1210	18899
G-9 (48-51")	5/2/2023	4,960	-	-	12.5	1900	119	2031.5
G-9 (72-75")	5/15/2023	4,400	-	-	404	3340	155	3495
G-9 (96-99")	5/23/2023	4,560	-	-	<10	153	<10	153
G-9 (120-123")	5/26/2023	15,700	-	-	76.2	2560	158	2794.2
G-9 (144-147")	6/2/2023	8,480	-	-	32.9	1760	164	1956.9
G-9 (168-171")	6/9/2023	1,720	-	-	<10	152	<10	152
G-9 (192-195")	6/15/2023	4,400	-	-	<10	64.6	<10	64.6
G-9 (201-204")	7/27/2023	224	-	-	-	-	-	-
G-10 (24-27")	3/27/2023	10,000	11.6	<0.05	345	3280	196	3821
G-10 (48-51")	5/2/2023	6,240	-	-	<10	242	30.7	272.7
G-10 (72-75")	5/15/2023	12,800	-	-	<10	560	30.2	590.2
G-10 (96-99")	5/23/2023	7,600	-	-	95.8	754	33.9	883.7
G-10 (120-123")	5/26/2023	2,960	-	-	<10	20.5	<10	20.5

Table 1
Analytical Data Summary -
Post Excavation Soil Samples (mg/kg)
Novo Oil Gas - Goonch Fed Com 0409-214H Flow Line Release
Incident ID: nAPP2307966624
Near Loving, Eddy County, New Mexico

Analyte Method		Chloride 4500-CI-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							
G-10 (144-147")	6/2/2023	1,150	-	-	-	-	-	-
G-10 (192-195")	6/15/2023	992	-	-	-	-	-	-
G-10 (201-204")	7/27/2023	112	-	-	-	-	-	-
G-11 (24-27")	3/27/2023	7,400	5.39	<0.05	131	2900	177	3208
G-11 (48-51")	5/2/2023	1,390	-	-	<10	222	<10	222
G-11 (72-75")	5/15/2023	912	-	-	<10	60.8	<10	60.8
G-11 (96-99")	5/22/2023	240	-	-	-	-	-	-
G-12 (24-27")	3/27/2023	26,000	12.4	<0.05	402	4690	276	5368
G-12 (48-51")	5/2/2023	4,640	-	-	12.2	1520	103	1635.2
G-12 (72-75")	5/15/2023	10,600	-	-	<10	422	29.1	451.1
G-12 (96-99")	5/23/2023	6,800	-	-	38.7	387	10.6	436.3
G-12 (120-123")	5/26/2023	1,960	-	-	<10	37.3	<10	37.3
G-12 (144-147")	6/2/2023	1,660	-	-	-	-	-	-
G-12 (168-171")	6/13/2023	576	-	-	-	-	-	-
G-13 (24-27")	3/27/2023	34,800	8.59	<0.05	374	2970	158	3502
G-13 (48-51")	5/2/2023	4,800	-	-	526	12900	60500	73926
G-13 (72-75")	5/15/2023	13,000	-	-	24.5	1520	108	1628
G-13 (96-99")	5/23/2023	672	-	-	14.5	206	<10	220.5
G-13 (120-123")	5/26/2023	944	-	-	1540	4090	173	5803
G-13 (144-147")	6/2/2023	20,000	-	-	<10	173	11.2	184.2
G-13 (168-171")	6/13/2023	27,600	-	-	<10	116	<10	116
G-13 (177-180")	7/27/2023	272	-	-	<10	<10	<10	<10
G-14 (24-27")	3/27/2023	17,600	1.11	<0.05	33.9	1030	61.8	1125.7
G-14 (48-51")	5/2/2023	1,950	-	-	85.6	3010	212	3307.6
G-14 (72-75")	5/15/2023	496	-	-	<10	574	36.1	610.1
G-14 (96-99")	5/23/2023	336	-	-	<10	<10	<10	<10
G-15 (24-27")	3/27/2023	4,560	0.466	<0.05	39.8	4780	319	5138.8
G-15 (48-51")	5/2/2023	928	-	-	<10	350	38.2	388.2
G-15 (72-75")	5/15/2023	416	<0.30	<0.05	<10	253	11.9	264.9
G-15 (96-99")	5/23/2023	1,500	-	-	<10	<10	<10	<10
G-15 (120-123")	5/26/2023	656	-	-	-	-	-	-

Table 1
Analytical Data Summary -
Post Excavation Soil Samples (mg/kg)
Novo Oil Gas - Goonch Fed Com 0409-214H Flow Line Release
Incident ID: nAPP2307966624
Near Loving, Eddy County, New Mexico

Analyte Method		Chloride 4500-CI-B	BTEX 8021B	Benzene 8021B	TPH (C6-C10) 8015M	TPH (>C10-28) 8015M	TPH (>C28-36) 8015M	TPH 8015M
Table 1 - Closure Criteria (0-4')		600	50	10	-	-	-	100
Sample ID	Sample Date							
G-15 (144-147")	6/2/2023	8,080	-	-	-	-	-	-
G-15 (168-171")	6/13/2023	7,200	-	-	-	-	-	-
G-15 (177-180")	7/27/2023	256	-	-	-	-	-	-
G-16 (24-27")	3/27/2023	320	<0.30	<0.05	<10.0	14.2	11	25.2
G-17 (24-27")	3/27/2023	480	<0.30	<0.05	<10.0	30.3	<10.0	30.3
G-18 (24-27")	3/27/2023	912	<0.30	<0.05	<10.0	61.6	<10.0	61.6
G-18 (48-51")	5/2/2023	496	-	-	-	-	-	-
G-19 (24-27")	3/27/2023	320	<0.30	<0.05	<10.0	79.4	<10.0	79.4
G-20 (24-27")	3/27/2023	1,300	1.24	<0.05	30.7	505	23.6	559.3
G-20 (48-51")	5/2/2023	512	-	-	<10	<10	<10	<10
G-21 (24-27")	3/27/2023	9,600	3.86	<0.05	96.3	665	34.9	796.2
G-21 (48-51")	5/2/2023	320	-	-	<10	10.7	<10	10.7
G-22 (24-27")	3/27/2023	1,520	45	<0.20	2120	9630	430	12180
G-22 (48-51")	5/2/2023	336	-	-	<10	59.8	<10	59.8
G-23 (24-27")	3/27/2023	3,000	<0.30	<0.05	<10.0	129	<10.0	129
G-23 (48-51")	5/2/2023	464	-	-	-	-	-	-
G-24 (24-27")	3/27/2023	1,120	<0.30	<0.05	11.8	315	15.3	342.1
G-24 (48-51")	5/2/2023	400	-	-	<10	48.6	<10	48.6
G-25 (48-51")	5/2/2023	448	<0.30	<0.05	<10.0	<10	<10.0	<10
G-26 (48-51")	5/2/2023	400	<0.30	<0.05	<10.0	14.9	<10.0	14.9
G-27 (48-51")	5/2/2023	544	<0.30	<0.05	<10.0	75.2	30.5	105.7
G-27 (72-75")	5/15/2023	-	-	-	<10.0	<10	<10.0	<10
G-28 (48-51")	5/2/2023	224	<0.30	<0.05	<10.0	132	98.5	230.5

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Novo Oil Gas - Goonch Fed Com 0409-214H Flow Line Release
Incident ID: nAPP2307966624
Near Loving, Eddy County, New Mexico

Analyte Method		Chloride 4500-CI-B	BTEX 8021B	Benzene 8021B	TPH (C6-C10) 8015M	TPH (>C10-28) 8015M	TPH (>C28-36) 8015M	TPH 8015M
Table 1 - Closure Criteria (0-4')		600	50	10	-	-	-	100
Sample ID	Sample Date							
G-28 (72-75")	5/15/2023	-	-	-	<10.0	<10	<10.0	<10
G-29 (48-51")	5/2/2023	384	<0.30	<0.05	<10.0	80.4	62.8	143.2
G-29 (72-75")	5/15/2023	-	-	-	<10.0	23.9	<10.0	23.9
G-30 (48-51")	5/2/2023	576	<0.30	<0.05	<10.0	36.8	11.3	48.1
G-31 (48-51")	5/2/2023	496	<0.30	<0.05	<10.0	21.8	11.8	33.6
G-32 (48-51")	5/2/2023	528	<0.30	<0.05	<10.0	14	11.3	25.3
G-33 (48-51")	5/2/2023	768	<0.30	<0.05	<10.0	30.5	10.5	41
G-33 (72-75")	5/17/2023	1,390	-	-	-	-	-	-
G-33 (96-99")	5/22/2023	1,020	-	-	-	-	-	-
G-33 (120-123")	5/26/2023	688	-	-	-	-	-	-
G-33 (144-147")	6/2/2023	1,200	-	-	-	-	-	-
G-33 (168-171")	6/13/2023	688	-	-	-	-	-	-
G-33 (177-180")	7/27/2023	448	-	-	-	-	-	-
G-34 (48-51")	5/2/2023	1,540	<0.30	<0.05	<10.0	389	33	422
G-34 (72-75")	5/15/2023	6,200	-	-	42.2	1240	58.8	1341
G-34 (96-99")	5/23/2023	6,800	-	-	79.2	1710	96.3	1885.5
G-34 (120-123")	5/26/2023	1,150	-	-	<10	35.9	<10	35.9
G-34 (144-147")	6/2/2023	6,640	-	-	-	-	-	-
G-34 (168-171")	6/9/2023	1,220	-	-	-	-	-	-
G-34 (192-195")	6/15/2023	4,040	-	-	-	-	-	-
G-34 (201-204")	7/27/2023	160	-	-	-	-	-	-
G-35 (48-51")	5/2/2023	1,920	<0.30	<0.05	<10.0	568	52.9	620.9
G-35 (72-75")	5/15/2023	1,200	-	-	<10.0	79.1	<10.0	79.1
G-35 (96-99")	5/22/2023	2,640	-	-	-	-	-	-
G-35 (120-123")	5/26/2023	880	-	-	-	-	-	-
G-35 (144-147")	6/2/2023	1,090	-	-	-	-	-	-
G-35 (168-171")	6/9/2023	944	-	-	-	-	-	-
G-35 (192-195")	6/15/2023	1,650	-	-	-	-	-	-
G-35 (201-204")	7/27/2023	192	-	-	-	-	-	-

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Analytical Data Summary -
Post Excavation Soil Samples (mg/kg)
Novo Oil Gas - Goonch Fed Com 0409-214H Flow Line Release
Incident ID: nAPP2307966624
Near Loving, Eddy County, New Mexico

Analyte Method		Chloride 4500-CI-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							
G-36 (48-51")	5/2/2023	3,000	<0.30	<0.05	<10.0	515	28.3	543.3
G-36 (72-75")	5/15/2023	1,060	-	-	<10.0	36.2	<10.0	36.2
G-36 (96-99")	5/22/2023	3,040	-	-	-	-	-	-
G-36 (120-123")	5/26/2023	784	-	-	-	-	-	-
G-36 (144-147")	6/2/2023	1,650	-	-	-	-	-	-
G-36 (168-171")	6/9/2023	640	-	-	-	-	-	-
G-36 (192-195")	6/15/2023	880	-	-	-	-	-	-
G-36 (201-204")	7/27/2023	64	-	-	-	-	-	-
G-37 (48-51")	5/2/2023	1,960	<0.30	<0.05	<10.0	1010	73.7	1083.7
G-37 (72-75")	5/15/2023	768	-	-	<10.0	17.8	<10.0	17.8
G-37 (96-99")	5/22/2023	2,720	-	-	-	-	-	-
G-37 (120-123")	5/26/2023	960	-	-	-	-	-	-
G-37 (144-147")	6/2/2023	1,840	-	-	-	-	-	-
G-37 (168-171")	6/9/2023	1,120	-	-	-	-	-	-
G-37 (192-195")	6/15/2023	784	-	-	-	-	-	-
G-37 (201-204")	7/27/2023	160	-	-	-	-	-	-
G-38 (48-51")	5/2/2023	928	<0.30	<0.05	<10.0	164	21.3	185.3
G-38 (72-75")	5/15/2023	1,500	-	-	<10.0	15	<10.0	15
G-38 (96-99")	5/22/2023	736	-	-	-	-	-	-
G-38 (120-123")	5/26/2023	1,200	-	-	-	-	-	-
G-38 (144-147")	6/2/2023	1,140	-	-	-	-	-	-
G-38 (168-171")	6/9/2023	1,470	-	-	-	-	-	-
G-38 (192-195")	6/15/2023	800	-	-	-	-	-	-
G-38 (201-204")	7/27/2023	1,660	-	-	-	-	-	-
G-38 (210-213")	7/31/2023	176	-	-	-	-	-	-
G-39 (48-51")	5/2/2023	800	<0.30	<0.05	<10.0	229	17.4	246.4
G-39 (72-75")	5/15/2023	3,600	-	-	155	1230	62.5	1447.5
G-39 (96-99")	5/23/2023	1,330	-	-	<10	11.3	<10	11.3
G-39 (120-123")	5/26/2023	944	-	-	-	-	-	-
G-39 (144-147")	6/2/2023	848	-	-	-	-	-	-
G-39 (168-171")	6/9/2023	688	-	-	-	-	-	-
G-39 (192-195")	6/15/2023	800	-	-	-	-	-	-

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Analytical Data Summary -
Post Excavation Soil Samples (mg/kg)
Novo Oil Gas - Goonch Fed Com 0409-214H Flow Line Release
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Near Loving, Eddy County, New Mexico

Analyte Method		Chloride 4500-CI-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							
G-39 (15.5-16')	7/25/2023	128	-	-	-	-	-	-
G-40 (48-51")	5/2/2023	21,400	<0.30	<0.05	<10.0	386	52.8	438.8
G-40 (72-75")	5/15/2023	2,800	-	-	39.6	914	58.8	1012.4
G-40 (96-99")	5/23/2023	480	-	-	<10.0	<10	<10	<10
G-41 (48-51")	5/2/2023	3,200	<0.30	<0.05	<10.0	479	38.3	517.3
G-41 (72-75")	5/15/2023	1,520	-	-	<10.0	264	15.9	279.9
G-41 (96-99")	5/23/2023	480	-	-	<10.0	<10	<10	<10
G-42 (48-51")	5/2/2023	1,440	<0.30	<0.05	<10.0	553	45.4	598.4
G-42 (72-75")	5/15/2023	832	-	-	<10.0	144	<10.0	144
G-42 (96-99")	5/23/2023	48	-	-	<10.0	<10	<10	<10
G-43 (48-51")	5/2/2023	464	<0.30	<0.05	<10.0	209	17.4	226.4
G-43 (72-75")	5/15/2023	-	-	-	<10.0	71	<10.0	71
G-44 (48-51")	5/2/2023	496	<0.30	<0.05	<10.0	165	19.2	184.2
G-44 (72-75")	5/15/2023	-	-	-	<10.0	65.2	<10.0	65.2
G-45 (48-51")	5/2/2023	1,150	<0.30	<0.05	<10.0	227	26.9	253.9
G-45 (72-75")	5/15/2023	592	-	-	<10.0	52.3	<10.0	52.3
G-46 (48-51")	5/2/2023	656	<0.30	<0.05	<10.0	146	14.3	160.3
G-46 (72-75")	5/15/2023	1,540	-	-	<10.0	267	16.3	283.3
G-46 (96-99")	5/23/2023	1,870	-	-	<10.0	130	<10	130
G-46 (120-123")	5/26/2023	1,280	-	-	<10	36	<10	36
G-46 (144-147")	6/2/2023	8,080	-	-	-	-	-	-
G-46 (168-171")	6/9/2023	1,650	-	-	-	-	-	-
G-46 (192-195")	6/15/2023	2,000	-	-	-	-	-	-
G-46 (201-204")	7/27/2023	560	-	-	-	-	-	-
G-47 (48-51")	5/2/2023	320	<0.30	<0.05	<10.0	95.7	<10	95.7

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Near Loving, Eddy County, New Mexico

Analyte Method		Chloride 4500-CI-B	BTEX 8021B	Benzene 8021B	TPH (C6-C10) 8015M	TPH (>C10-28) 8015M	TPH (>C28-36) 8015M	TPH 8015M
Table 1 - Closure Criteria (0-4')		600	50	10	-	-	-	100
Sample ID	Sample Date							
SW-1 (0-4')	5/2/2023	160	<0.30	<0.05	<10.0	<10	<10	<10
SW-2 (0-4')	5/3/2023	112	<0.30	<0.05	<10	<10	<10	<10
SW-3 (0-16')	8/1/2023	80	<0.30	<0.05	<10	<10	<10	<10
WW-1 (0-4')	5/2/2023	384	<0.30	<0.05	<10.0	16.4	<10	16.4
WW-1 (0-8')	6/15/2023	400	<0.30	<0.05	<10.0	26.1	<10	26.1
WW-2 (0-4')	5/2/2023	20,600	3.09	<0.05	545	17,700	1040	19285
WW-2B (0-6')	5/15/2023	1,800	-	-	<10	<10	<10	<10
WW-2-1 (0-8')	5/22/2023	32	-	-	-	-	-	-
WW-2-1 (0-16')	6/15/2023	256	<0.30	<0.05	<10	<10	<10	<10
WW-2-2 (0-8')	5/25/2023	<16	-	-	<10	<10	<10	<10
WW-3 (0-4')	5/2/2023	912	<0.30	<0.05	<10	290	13	303
WW-3B (0-6')	5/15/2023	784	-	-	<10	<10	<10	<10
WW-3-1 (0-8')	5/22/2023	48	-	-	-	-	-	-
WW-3-1 (0-16')	6/15/2023	576	<0.30	<0.05	<10	<10	<10	<10
WW-3-2 (0-8')	5/25/2023	32	-	-	<10	<10	<10	<10
WW-3-2 (0-16')	6/15/2023	1,460	<0.30	<0.05	<10	<10	<10	<10
WW-3-2A (0-16')	6/28/2023	96	-	-	-	-	-	-
WW-4 (0-4')	5/3/2023	240	<0.30	<0.05	<10	<10	<10	<10
WW-4 (0-16')	6/15/2023	176	<0.30	<0.05	<10	<10	<10	<10
EW-1 (0-4')	5/3/2023	240	<0.30	<0.05	<10	<10	<10	<10
EW-2 (0-4')	5/3/2023	432	<0.30	<0.05	<10	10.4	<10	10.4
EW-3 (0-4')	5/3/2023	352	<0.30	<0.05	<10	<10	<10	<10
EW-4 (0-4')	5/3/2023	560	<0.30	<0.05	<10	11	<10	11

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Post Excavation Soil Samples (mg/kg)
Novo Oil Gas - Goonch Fed Com 0409-214H Flow Line Release
Incident ID: nAPP2307966624
Near Loving, Eddy County, New Mexico

Analyte Method	Chloride 4500-CI-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						
NW-1 (0-4')	5/3/2023	352	<0.30	<0.05	<10	<10	<10
NW-2 (0-16')	6/15/2023	1,220	<0.30	<0.05	<10	<10	<10
NW-2A (0-16')	6/28/2023	128	-	-	-	-	-

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
- <RL - results were not detected above the Laboratory Reporting Limit
- 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



APPENDIX A
Notification and Agency Correspondence

From: OCDOnline@state.nm.us
To: [Bryan Haney](#)
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 200381
Date: Monday, March 27, 2023 9:07:03 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#) nAPP2307966624, 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

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	nAPP2307966624
District RP	
Facility ID	
Application ID	199006

Release Notification

Responsible Party

Responsible Party: Novo Oil & Gas Northern Delaware, LLC	OGRID: 372920
Contact Name: Kurt A. Shipley	Contact Telephone: 405-286-3916
Contact email: kshipley@novoog.com	Incident # (assigned by OCD): nAPP2307966624
Contact mailing address: 1001 West Wilshire Blvd., Suite 206 Oklahoma City, OK 73116	

Location of Release Source

Latitude 32.34321760 Longitude -104.08546710
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Goonch Fed Com 0409-214H	Site Type: Open Area between CTB and wellhead
Date Release Discovered: 03/18/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	33	T22S	R28E	Eddy

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls): Estimated 2	Volume Recovered (bbls): Estimated 1
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls): Estimated 3	Volume Recovered (bbls): Estimated 2
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

On 03/18/2023 at approximately 5:00pm, a minor release of oil and produced water occurred near the Novo Goonch Fed Com 0409-214H pad area. The entire volume of the release was contained within the immediate area. Field operation personnel indicate the cause of the release was the result of a leak from a 4" production flowline lead between the wellhead and central tank battery (CTB). Novo was able to quickly identify the failure and shut in flow.

Volume of the release was estimated based on approximate dimensions of the release area (approximately 50' x 10' and irregular shaped).

Oil Conservation Division

Incident ID	nAPP2307966624
District RP	
Facility ID	
Application ID	199006

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Released volume does not exceed 25 bbl
---	--

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
 03/20/2023 – Bryan Haney conducted NMOCD online notification to obtain incident ID
 03/20/2023 – Bryan Haney provided email notification to NMOCD - Mike Bratcher and Robert Hamlet
 03/20/2023 – Bryan Haney provided email notification to BLM - Crisha

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
--

If all the actions described above have not been undertaken, explain why:

All initial response actions above have been completed.

Remediation efforts (excavated affected soil) will be confirmed with sampling.

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. Shipley Title: Chief Operating Officer

Signature:  Date: March 21, 2023

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

OCD Only

Received by: _____ Date: _____

From: [Bryan Haney](#)
To: [Morgan, Crisha A](#); BLM_NM_CFO_Spill@blm.gov
Cc: [Kurt Shipley](#); [Dara Tatum](#); [Beate Damm](#)
Subject: Novo Oil and Gas - Goonch Fed Com 0409-214H - Flow Line Release (minor release) - nAPP2307966624
Date: Thursday, March 23, 2023 7:04:00 PM
Attachments: [image001.png](#)
[nAPP2307966624 - C-141 Initial Notification 03-18-2023.pdf](#)
[MUE nAPP2307966624 Novo Goonch Release 03-18-2023.docx](#)

Crisha,

Attached is the BLM MUE form and the C-141 submitted to the NMOCD. This was a minor release of 5 barrels of mixed oil and produced water. Novo is excavating the affected soil and Altamira will begin confirmation soil sampling next week. If you have any questions please let Kurt or I know.

Bryan

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com





**United States Department of Interior
Bureau of Land Management
Major Undesirable Event Report**

Report Type: Initial 24-Hour <input type="checkbox"/> 15-Day/Final <input checked="" type="checkbox"/> Other/Follow-up <input type="checkbox"/>					
BLM Field Office: Carlsbad, NM			State: New Mexico		
BLM Contact: Crisha Morgan			Date of this Report: 03/20/2023		
Company Official Reporting to BLM: Kurt Shipley (Novo) and Bryan Haney (Altamira)					
Operator: Novo Oil & Gas Northern Delaware, LLC					
Date/Time of Occurrence: 03/18/2023 at 5:00 pm			Date/Time BLM Notified: 03/20/2023		
Field/Unit Name: M			Lease Number:		
State: NM	County: Eddy	Twp: T22S	Rng: R28E	Sec: 33	Qtr:
Latitude/ Longitude: 32.34321760, -104.08546710					
Surface Ownership: BLM/Private		Federal: <input checked="" type="checkbox"/>	Indian: <input type="checkbox"/>	State: <input type="checkbox"/>	FEE <input type="checkbox"/>
Type and Relevant Details of Event					
Oil Spill <input type="checkbox"/>	Oil/Water Spill <input checked="" type="checkbox"/>	Gas Venting <input type="checkbox"/>	Toxic Fluid Spill <input type="checkbox"/>		
Saltwater Spill <input type="checkbox"/>	Other Spill (Specific) <input type="checkbox"/>	Blowout <input type="checkbox"/>	Fire <input type="checkbox"/>		
Injury <input type="checkbox"/>	Fatality <input type="checkbox"/>	Property Damage <input type="checkbox"/>	Explosion <input type="checkbox"/>		
Nature and Cause of Event: Minor release approximately 5 bbl of oil and water mixture. Release occurred between the Novo Goonch Fed Com 0409-214H Central Tank Battery (CTB) and well head as a results of a flow line release.					
Environmental Impact: Surface soil in area approximately 50 feet by 10 feet in irregular shape.					
Time Required to Control Event (Hours):		Approximately 1 hour			
Volume Discharged or Consumed:		Oil: <u>2</u> bbls	Water: <u>3</u> bbls	Gas: <u> </u> mcf	
Volumes Recovered:		Oil: <u>1</u> bbls	Water: <u>2</u> bbls		
Net Volume Lost:		Oil: <u>1</u> bbls	Water: <u>1</u> bbls	Gas: <u> </u> mcf	
Action Taken to Control Event: Shut down flow to flow line to repair.					
Resulting Damage: minor surface staining					
Clean-Up Procedures: Use of vacuum truck and soil excavation machinery to remove standing liquids and affected soil.					
Cause/Extent of Personal Injury: None					
Actions the operator has taken or will take to prevent a recurrence of the incident: Pipe flow line was shut in to stop flow and repaired.					
Agency Notification List: (Federal/ State/ Local):	Agency Name	Contact Name	Date/Time		
	NMOCD	Mike Bratcher (email)	03/20/2023 at 8:15pm		
	BLM	Crisha Morgan (email)	03/20/2023 at 8.15pm		

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

None associated with this flow line.

From: [Hamlet, Robert, EMNRD](#)
To: [Bryan Haney](#)
Cc: [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#); [Velez, Nelson, EMNRD](#)
Subject: (Final Extension) Request for Time Extension Novo Goonch H Pad - nAPP2307966624
Date: Thursday, September 14, 2023 11:51:42 AM
Attachments: [image003.png](#)

RE: Incident #**NAPP2307966624**

Bryan,

Your request for an extension to **September 22nd, 2023** is approved. This will be the **final extension** for this release. Please include this e-mail correspondence in the remediation and/or closure report.

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



From: Bryan Haney <Bryan.Haney@altamira-us.com>
Sent: Thursday, September 14, 2023 8:07 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Subject: [EXTERNAL] Request for Time Extension Novo Goonch H Pad - nAPP2307966624

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

Rob,

I believe our current extension was through 9/16/2023. We have completed all field work and seeding. I just need a few extra days to get the report completed. Can you extend our time to 9/22/2023?

Thanks for your consideration,
Bryan

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Corpus Christi, Texas

Bryan.Haney@altamira-us.com

From: OCDOnline@state.nm.us
To: [Bryan Haney](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 199006
Date: Monday, March 20, 2023 7:31:02 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#) nAPP2307966624, 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 nAPP2307966624, 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: [Morgan, Crisha A](#)
Subject: Novo Goonch Pad H Remediation (Goonch Fed Com 0409-214H) BLM Sundry Form
Date: Monday, May 22, 2023 1:10:00 PM
Attachments: [image002.png](#)
[image003.png](#)
[Sundry Notice - Novo Goonch Fed Com 0409-214H.pdf](#)

Crisha,

Attached is the Sundry form for the smaller release that occurred on March 18, 2023. I already submitted the MUE form. The botany survey that you cleared included this area as well.

If you need anything further, please let me know.

Thank you

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com



From: Kurt Shipley <kshipley@novoog.com>
Sent: Monday, May 22, 2023 8:19 AM
To: Bryan Haney <Bryan.Haney@altamira-us.com>
Cc: Dara Tatum <dtatum@novoog.com>
Subject: RE: [EXTERNAL]Goonch Pad H Remediation BLM Sundry Form

here you go

Kurt A. Shipley
Novo Oil & Gas, LLC



From: Bryan Haney <Bryan.Haney@altamira-us.com>
Sent: Sunday, May 21, 2023 9:14 PM
To: Kurt Shipley <kshipley@novoog.com>

Cc: Dara Tatum <dtatum@novoog.com>

Subject: [EXTERNAL]Goonch Pad H Remediation BLM Sundry Form

THIS MESSAGE HAS ORIGINATED OUTSIDE OF THE ORGANIZATION. PLEASE CONFIRM THE SENDING ADDRESS. THIS EMAIL IS FROM AN EXTERNAL SENDER. USE CAUTION WITH LINKS AND ATTACHMENTS!

Kurt,

Can you please sign the attached Sundry form for Pad H. Crisha at the BLM asked for us to start sending these to her for releases.

Thank you

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com



From: [Bryan Haney](#)
To: [Hamlet, Robert, EMNRD](#); [Bratcher, Michael, EMNRD](#); [Morgan, Crisha A](#); BLM_NM_CFO_Spill@blm.gov
Cc: [Dara Tatum](#)
Subject: 48-HOUR NOTIFICATION OF SOIL SAMPLING - nAPP2307966624 - Novo Goonch Fed Com 0409-214H
Date: Friday, March 31, 2023 11:50:00 AM
Attachments: [image001.png](#)

Rob, Mike and Crisha,

Please allow this email to serve as the 48-hour notification for upcoming confirmation soil sampling at the above referenced Site. Initial excavation and sampling has been conducted that indicate further excavation and confirmation soil sampling will be necessary. Novo intends to conduct further excavation activities in the next few days. Once excavation is complete, Altamira will collect confirmation soil samples for analysis of chlorides, TPH and BTEX.

If you have any questions please let me know,

Thank you

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com



From: [Bryan Haney](#)
To: [Morgan, Crisha A](#); [Hamlet, Robert, EMNRD](#); BLM_NM_CFO_Spill@blm.gov
Subject: Novo Goonch Fed Com 0409-214H Status Update and Notification of Sampling
Date: Thursday, May 11, 2023 9:03:00 AM
Attachments: [image001.png](#)

RE: nAPP230796624

Morgan and Rob,

This email is to provide a simple update on Site remediation activities and notification of continued excavation and sampling.

Novo will continue to conduct excavation at the release location followed by confirmation soil sampling. Exact dates for sampling vary. Initial soil samples were collected on March 27, 2023. A second round of excavation and sampling was conducted on May 3, 2023. We anticipate further sampling late next week.

If there are any question please let me know.

Bryan

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com



From: [Bryan Haney](#)
To: [Hamlet, Robert, EMNRD](#); [Bratcher, Michael, EMNRD](#); [Morgan, Crisha A](#); BLM_NM_CFO_Spill@blm.gov
Cc: [Kurt Shipley](#); [Dara Tatum](#); [Brad Walls](#); [Beate Damm](#)
Subject: Novo Oil and Gas - Goonch Fed Com 0409-214H Flow Line Release - Incident ID: nAPP2307966624 - March 18, 2023
Date: Monday, March 20, 2023 8:18:00 PM
Attachments: [image001.png](#)

Rob, Mike and Crisha,

This email is being provided to serve as initial notification of the above mentioned minor release.

On 03/18/2023 at approximately 5:00pm, a minor release of oil and produced water occurred near the Novo Goonch Fed Com 0409-214H pad area. The entire volume of the release was contained within the immediate area. Field operation personnel indicate the cause of the release was the result of a leak from a 4" production flowline lead between the wellhead and central tank battery (CTB). Novo was able to quickly identify the failure and shut in flow. Initial cleanup activities have been conducted.

Coordinates: 32.34321760, -104.08546710

Novo has submitted the initial online notification to the NMOCD and an incident ID has been issued. Novo will submit the C-141 and BLM MUE as soon as possible.

If you have any questions 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: [Hamlet, Robert, EMNRD](#)
To: [Bryan Haney](#)
Cc: [Kurt Shipley](#); [Dara Tatum](#); [Bratcher, Michael, EMNRD](#); [Harimon, Jocelyn, EMNRD](#)
Subject: (Extension Approval) - nAPP2307966624 -Novo Goonch Fed Com 0409-214H
Date: Friday, June 9, 2023 2:14:08 PM
Attachments: [image003.png](#)

RE: Incident #**NAPP2307966624**

Bryan,

Your request for an extension to **September 16th, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

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



From: Bryan Haney <Bryan.Haney@altamira-us.com>
Sent: Friday, June 9, 2023 8:47 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Kurt Shipley <kshipley@novoog.com>; Dara Tatum <dtatum@novoog.com>
Subject: [EXTERNAL] nAPP2307966624 -Novo Goonch Fed Com 0409-214H - REQUEST FOR TIME EXTENSION

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

RE: nAPP2307966624

Rob,

We continue to conduct soil remediation associated with this minor release; however, we are hitting solid rock in the grid areas that are failing for chlorides (cleanup level 600 mg/kg). We will certainly need additional time to attempt to complete remediation and submit the closure report. Because of the hard rock nature of this area, I think we need at least 90-days. I may also be reaching out to you for technical thoughts on this particular rocky area and how the OCD has handled this historically.

Thank you for your consideration,

Bryan

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com



From: [Bryan Haney](#)
To: [Hamlet, Robert, EMNRD](#); [Bratcher, Michael, EMNRD](#); [Morgan, Crisha A](#)
Cc: [Kurt Shipley](#); [Dara Tatum](#)
Subject: nAPP2307966624 - Novo Goonch Fed Com 0409-214H - REQUEST FOR TECHNICAL VARIANCE
Date: Friday, July 21, 2023 12:26:00 PM
Attachments: [Table 1 - Analytical Data Table - Goonch Flow Line Release.pdf](#)
[image001.png](#)
[NVONM2303 - FIGURE 1.pdf](#)

Rob, Mike and Crisha,

We have been working on this smaller release area since March 2023. I have attached a current Site Plan showing the release area, grid analytical status/depth, and various underground pipelines. I have also attached the current data summary table that provides all data collected to-date for each grid area and side-walls.

Novo is requesting a technical variance of further soil excavation vertically at this Site. The request for technical variance is based on the following:

- Lateral Delineation has been achieved in all side-walls for the release area, demonstrating lateral control;
- There are 15 grids within the defined area that have been excavated to a depth ranging from 14-16 feet below ground surface,
- Chloride concentrations analyzed vertically at each of the grids generally is demonstrating gradual attenuation of chlorides and demonstrate the mass of chloride affected soil has been removed;
- There are 5-6 underground pipelines within this area that prevent safe benching for further excavation of rock and soil;
- Rock shelves and unconsolidated large rock areas are present. Further breaking of the rock at depth potentially jeopardizes the operational safety of the active pipelines;
- Hydro-excavation cannot be conducted in most areas at this point due to the hard rock;

It is the understanding of Novo that a technical variance to limit excavation vertical depth may be acceptable as long as lateral delineation has been demonstrated. Please let Kurt or I know if you need any further information or data to help with this variance request.

Thank you for your consideration,

Bryan Haney

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com



From: [Bryan Haney](#)
To: [Morgan, Crisha A](#)
Subject: FW: nAPP2307966624 -Novo Goonch Fed Com 0409-214H - REQUEST FOR TIME EXTENSION
Date: Friday, June 9, 2023 9:50:00 AM
Attachments: [image001.png](#)

Hi Crisha,

See below the request for time extension with the NMOCD.

If you have time can you give me a call to discuss this area and maybe any experience on how others have dealt with remediation of chlorides in rock?

Thank you

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com



From: Bryan Haney
Sent: Friday, June 9, 2023 9:47 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Kurt Shipley <kshipley@novoog.com>; Dara Tatum <dtatum@novoog.com>
Subject: nAPP2307966624 -Novo Goonch Fed Com 0409-214H - REQUEST FOR TIME EXTENSION

RE: nAPP2307966624

Rob,

We continue to conduct soil remediation associated with this minor release; however, we are hitting solid rock in the grid areas that are failing for chlorides (cleanup level 600 mg/kg). We will certainly need additional time to attempt to complete remediation and submit the closure report. Because of the hard rock nature of this area, I think we need at least 90-days. I may also be reaching out to you for technical thoughts on this particular rocky area and how the OCD has handled this historically.

Thank you for your consideration,

Bryan

From: [Bryan Haney](#)
To: [Hamlet, Robert, EMNRD](#); [Bratcher, Michael, EMNRD](#)
Cc: [Kurt Shipley](#); [Dara Tatum](#)
Subject: nAPP2307966624 -Novo Goonch Fed Com 0409-214H - REQUEST FOR TIME EXTENSION
Date: Friday, June 9, 2023 9:47:00 AM
Attachments: [image001.png](#)

RE: nAPP2307966624

Rob,

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Thank you for your consideration,

Bryan

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com



From: [Hamlet, Robert, EMNRD](#)
To: [Bryan Haney](#); [Bratcher, Michael, EMNRD](#); [Morgan, Crisha A](#)
Cc: [Kurt Shipley](#); [Dara Tatum](#)
Subject: RE: [EXTERNAL] nAPP2307966624 - Novo Goonch Fed Com 0409-214H - REQUEST FOR TECHNICAL VARIANCE
Date: Monday, July 24, 2023 10:08:16 AM
Attachments: [image003.png](#)

Bryan,

Please continue to vertically delineate the release area until it meets closure criteria standards. If rock refusal interferes with the remediation process, use a back-hoe/track-hoe to remove the rock. If the rock is immovable and target depth cannot be reached, use a hydrovac to clean the contaminated soil off the rock surface and outline specific locations and steps taken on the Closure Report. Once completed back-fill to surface with clean material. Please let me know if you have any further questions.

Regards,

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



From: Bryan Haney <Bryan.Haney@altamira-us.com>
Sent: Friday, July 21, 2023 11:27 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Morgan, Crisha A <camorgan@blm.gov>
Cc: Kurt Shipley <kshipley@novoog.com>; Dara Tatum <dtatum@novoog.com>
Subject: [EXTERNAL] nAPP2307966624 - Novo Goonch Fed Com 0409-214H - REQUEST FOR TECHNICAL VARIANCE

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

Rob, Mike and Crisha,

We have been working on this smaller release area since March 2023. I have attached a current Site Plan showing the release area, grid analytical status/depth, and various underground pipelines. I have also attached the current data summary table that provides all data collected to-date for each grid area and side-walls.

Novo is requesting a technical variance of further soil excavation vertically at this Site. The request

for technical variance is based on the following:

- Lateral Delineation has been achieved in all side-walls for the release area, demonstrating lateral control;
- There are 15 grids within the defined area that have been excavated to a depth ranging from 14-16 feet below ground surface,
- Chloride concentrations analyzed vertically at each of the grids generally is demonstrating gradual attenuation of chlorides and demonstrate the mass of chloride affected soil has been removed;
- There area 5-6 underground pipelines within this area the prevent safe benching for further excavation of rock and soil;
- Rock shelves and unconsolidated large rock areas are present. Further breaking of the rock at depth potentially jeopardizes the operational safety of the active pipelines;
- Hydro-excavation cannot be conducted in most areas at this point due to the hard rock;

It is the understanding of Novo that a technical variance to limit excavation vertical depth may be acceptable as long as lateral delineation has been demonstrated. Please let Kurt or I know if you need any further information or data to help with this variance request.

Thank you for your consideration,

Bryan Haney

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com





APPENDIX B
Soil Boring Log SB-1

BORING RECORD								SB-1	
GEOLOG. UNIT	DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE				REMARKS
					NUMBER	OWN READING	RECOVERY	DEPTH	
		32.3420774 -104.085668p OUTSIDE DELINEATION GROUND SURFACE:							BACKGROUND OWN READING: SOIL: 0 PPM AIR: 0 PPM
	0	0-1' BROWN SANDY SILT (ML) & GRAUPE, DRY	ML			0			0
	1-3'	BROWN SANDY SILT-SILT (ML), HARD DRY	ML			0			
	3-8'	TAN-WHITE SANDY SILTY (ML) - ROCK INTER BEDDED	ML			0			
	5					0			5
	8-18'	TAN SILTY SAND (SM), SOME ROCK HARD, DRY, VERY FINE GRAINED	SM			0			10
	10					0			
	15					0			15
	18-35'	BROWN SILTY SANDY CLAY (CL) STIFF, DRY, LOW PLASTICITY SILT MOIST @ 35' BGL BECOMING DARKER BROWN IN COLOR	CL			0			20
	20					0			
	25					0			25
	30					0			30
	35					0			35

-  CME CONTINUOUS AUGER SAMPLER
-  STANDARD PENETRATION TEST
-  UNDISTURBED SAMPLE
-  WATER TABLE (24 HOURS)
-  WATER TABLE (TIME OF BORING)
-  LABORATORY TEST LOCATION
-  PENETROMETER (TONS/SQ. FT.)
-  NR: NO RECOVERY

PROJECT NAME
Novo - Culebra Bluff CTB3 - Produced Water Line Release

PROJECT NUMBER
NVONM2104

BORING NUMBER
SB-1



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

DATE DRILLED: 11/25/2022
 DRILLING METHOD: Direct Push/Air Rotary
 DRILLED BY: ~~WHITE DRILLING~~ WHITE DRILLING
 LOGGED BY: BH
 CHECKED BY: ~~BS~~
 DRAWING NO.:
 DRAWN BY: ~~BS~~
 PAGE 1 OF 1

GEOLOG. UNIT		DEPTH (FEET)	LITHOLOGIC DESCRIPTION	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	SAMPLE			REMARKS
						NUMBER	OMV READING	RECOVERY	DEPTH
			32.3420774 -104.0856686 GROUND SURFACE:						BACKGROUND OVM READING: SOIL: 0 PPM AIR: 0 PPM
35		35'-46'	DARK BROWN - ORANGE/BROWN SILTY CLAY (CL), HARD-STIFF SLT. MOIST, MEDIUM PLASTICITY						35
40						0			40
45		47'-50'	ORANGE/BROWN SAND, FINE GRAINED WET-SATURATED, WELL SORTED.			0			45
50						0			50
			TD = 50' BGS			0			
55									55
Samples: 0-1' @ 957 2-3' @ 1004 3-4' @ 1006 5-6' @ 1008 9-10' @ 1015									
25									25
30									30
35									35

-  CME CONTINUOUS AUGER SAMPLER
-  STANDARD PENETRATION TEST
-  UNDISTURBED SAMPLE
-  WATER TABLE (24 HOURS)
-  WATER TABLE (TIME OF BORING)
-  LABORATORY TEST LOCATION
-  PENETROMETER (TONS/SQ. FT.)
-  NR: NO RECOVERY

PROJECT NAME
 Novo - Culebra Bluff CTB3 - Produced Water Line Release

PROJECT NUMBER
 NVONM2104

BORING NUMBER
 SB-1



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

DATE DRILLED: 11/25/2022
 DRILLING METHOD: Direct Push/Air Rotary
 DRILLED BY: ~~Vortex Drilling~~ WHITE DRILLING
 LOGGED BY: BA
 CHECKED BY: BA
 DRAWING NO.:
 DRAWN BY:  PAGE 1 OF 1



APPENDIX C
Photographic Documentation

Appendix C
Photograph Log – Goonch Fed Com 0409-21H Flow Line Release
Incident ID: nAPP2307966624



March 24, 2023 – View north at initial excavation area



March 24, 2023 - View south at initial excavation area

Appendix C
Photograph Log – Goonch Fed Com 0409-21H Flow Line Release
Incident ID: nAPP2307966624



May 3, 2023 – View north at excavation area expanded



May 19, 2023 - View south at further excavation to the west and partial backfilling on the east portion

Appendix C
Photograph Log – Goonch Fed Com 0409-21H Flow Line Release
Incident ID: nAPP2307966624



June 13, 2023 - View south at western portions of the excavation and deeper grid areas



August 15, 2023 - View northwest at final portions of western excavation area

Appendix C
Photograph Log – Goonch Fed Com 0409-21H Flow Line Release
Incident ID: nAPP2307966624



August 17, 2023 – View southeast at backfill operations



August 21, 2023 – View north at continued backfill and compaction operations

Appendix C
Photograph Log – Goonch Fed Com 0409-21H Flow Line Release
Incident ID: nAPP2307966624



BLM required seed mix

Appendix C
Photograph Log – Goonch Fed Com 0409-21H Flow Line Release
Incident ID: nAPP2307966624



View south at fully reclaimed area – backfilled and bermed pad area



View west at reclaimed pad area

Appendix C
Photograph Log – Goonch Fed Com 0409-21H Flow Line Release
Incident ID: nAPP2307966624



View south at reclaimed area off-pad on BLM property



APPENDIX D
Field Documentation

Client: Noro Oil & GasPage: 1 of 1Date: 3-27-23Project: NVORM 2203/001 Ground ReleaseBy: H. Gonzalez

Objective: locate and mark sampling grids, collect all samples in the spill area and test for TPH, BTEX, and Chlorides.

Altamira Staff on Site: Hig. H. Gonzalez

Weather: Cool sunny 52°F

Left Carlsbad at 0800 to drive to site, stopped to get ice for sample cooler. On arrival to site, started filling out JSA and got field notes/map started. Notes, Pipeline trench that was originally 4' below grade was now 6' below grade. There was also a substantial pile of material (curb) along the East boundary. East wall was collapsed and rounded by excavator tracks, unable to collect sidewalls there.

After setting up and measuring grids, marked grid centers on the ground using whisker spikes. Determined there to be a total of 24 floor sample grids and 4 sidewall locations. Collected grids G-1 to G-24 at 24-27" in depth, and 4 sidewall samples.

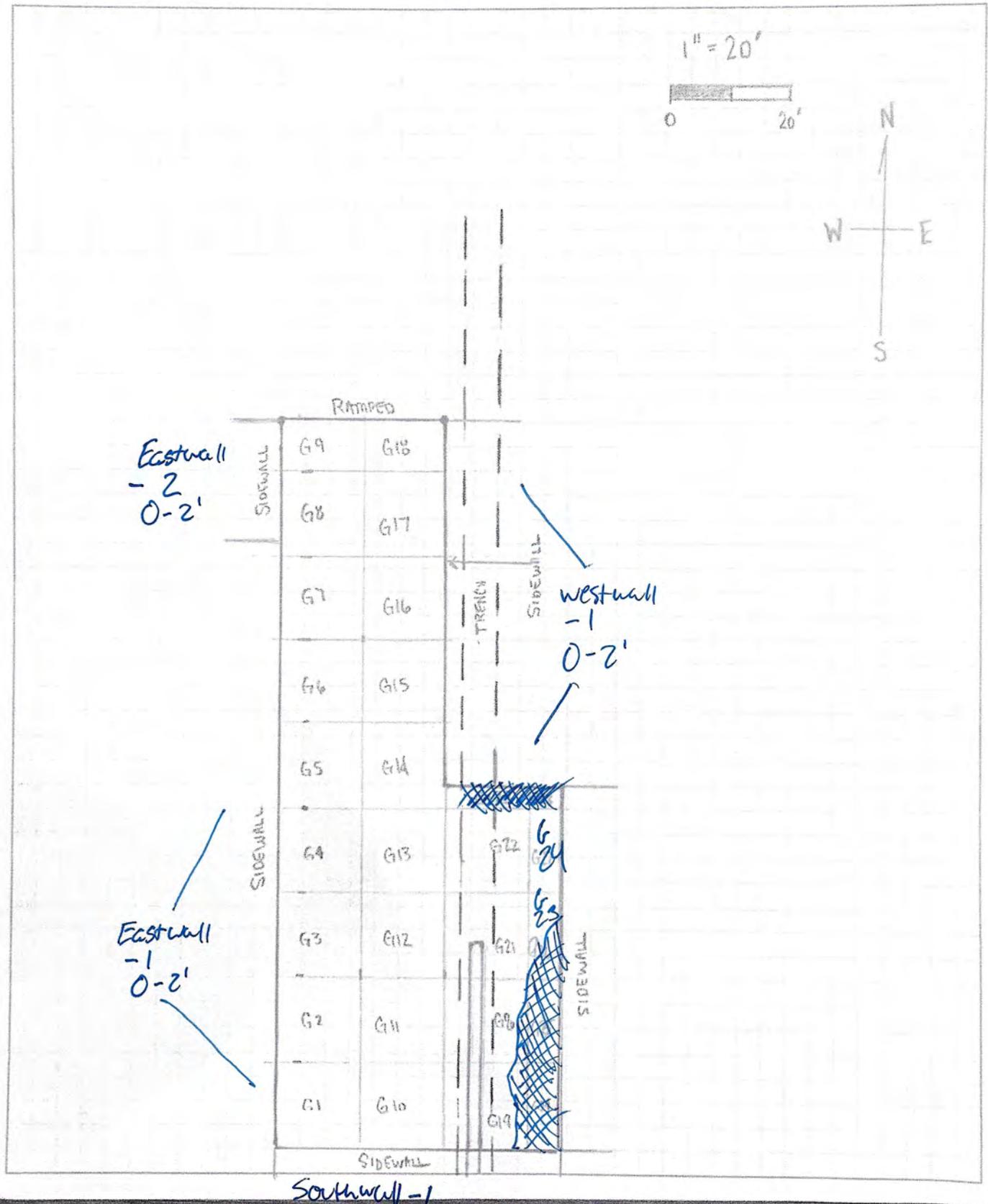
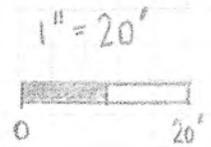
Southwall - 1 (0-2')
 Eastwall - 1 (0-2')
 Eastwall - 2 (0-2')
 Westwall - 1 (0-2')

Placed all samples in sample jars and put them on ice. Collected field tools and cleaned up work area after filling out sample paperwork and left site at 1245 back to Carlsbad.



Client: NOVO
Project: Ground

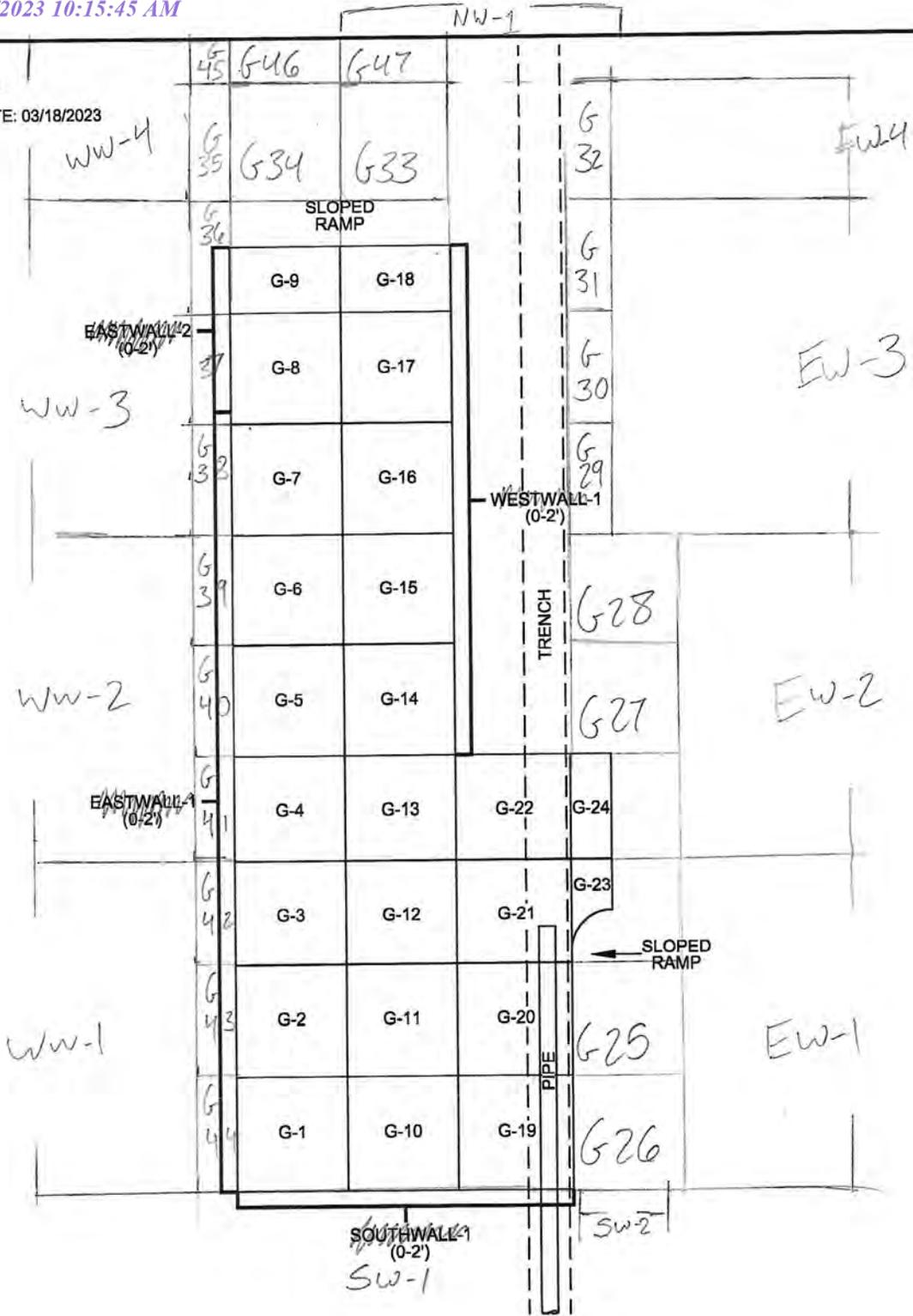
Page: 1 of 1
Date: 3/24/2023
By: _____



CITY: (Red) DMV(GROUP: (Recd) DB: (Recd) LD: (Opt) PIC: (Opt) PM: (Recd) TM: (Opt) LVR: (Opt) ON: --OFF--REF-- P:\Novo Oil & Gas\NOVONW2303 - Goonch Flow Line Release\Figures-Map\Figure 1.dwg LAYOUT: FIGURE 3 SAVER: 3/30/2023 12:26 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: --- PLOTTED: 3/30/2023 12:32 PM BY: AARON LOZANO

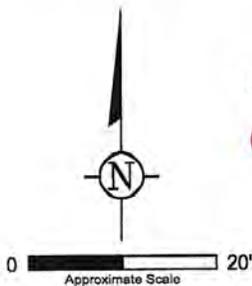
N 32.34321760
W -104.08546710

DISCOVERY DATE: 03/18/2023



NOTES:

03/27/2023 - EXCAVATION DEPTH - 2' BGS SAMPLED ALL GRIDS



LEGEND

-  - APPROXIMATE RELEASE AREA
-  - CONFIRMATION SOIL SAMPLE LOCATION & GRID

NOVO OIL & GAS GOONCH FED COM 0409-214H FLOWLINE RELEASE INCIDENT ID: nAPP2307966624	
SITE PLAN & SAMPLE LOCATION MAP (RELEASE 03/18/2023)	
 ALTAMIRA	FIGURE 3



Client: Navo O&G

Date: 5-2-23

Project: Granca Release

By: H. Gonzalez

Objective: Collect resamples and establish new grids/ update site diagram to reflect locations on newly excavated areas.

Weather: Hot, Sunny, Rainy.

Staff on site: H. Gonzalez

0730: Left Corpus to head to site in lavig. Stopped to get ice for sample coolers. Arrived on site at 0810. Started measuring out grid locations, and updated site figure.

0915: Got equipment ready to start collecting soil samples, starting on the east side of the spill/ excavated area.

Collected 13 samples, then left site temporarily to address another Navo (Hades) site.

Returned to site to collect remaining samples on the west side of the excavated area.

Noted discoloration and smell of hydrocarbons along the west wall by G-42, G-41. Also noted strong odor but no discoloration by G-10.

Collected 48 total samples, stopped sample collection at 1350 as rain clouds were present and still needed to label and jar samples. Rain started at 1455, left site at 1520 to head to Hobbs to drop off samples. Will return 5-3-23 to collect remaining sidewall samples.

Samples collected:

- G-1 G-26
- G-2 G-27
- G-3 G-28
- G-4 G-29
- G-5 G-30
- G-6 G-31
- G-7 G-32
- G-8 G-33
- G-9 G-34
- G-10 G-35
- G-11 G-36
- G-12 G-37
- G-13 G-38
- G-14 G-39
- G-15 G-40
- G-18 G-41
- G-20 G-42
- G-21 G-43
- G-22 G-44
- G-23 G-45
- G-24 G-46

48-51"

Sidewalls
 SW-1
 WW-1
 WW-2
 WW-3

0-4'

HGG





Client: NOVO OIG
Project: Goanah Release

Page: 1 of 437
Date: 5-3-23
By: H Gonzalez

Objective: Collect remaining samples on sidewalks.

Weather: HOT, Sunny, Windy.

Staff on site: H. Gonzalez.

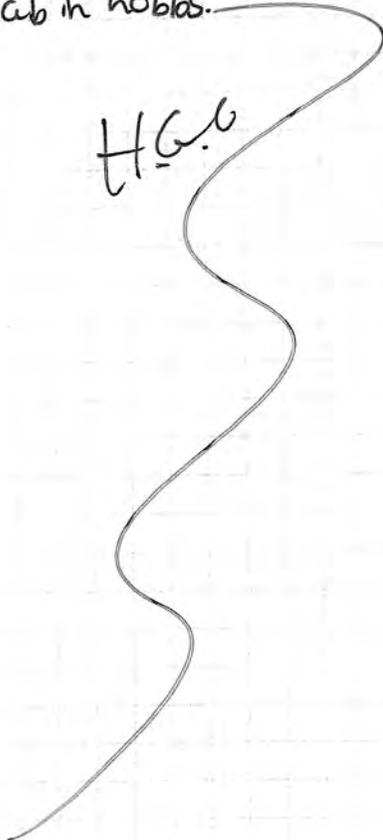
Arrived on site at 0900, got sampling equipment ready, and located sidewalk sample locations. Used measuring tape to ensure sidewalk locations were under 200 FT².

Collected 7 sidewalk samples at 0930, noted Eastwalls were made of hard stone. Collected loose soil that I was able to get to as a sidewalk representation around the rocks to include smaller rocks that fell into the sample containers. Jarred and labeled samples, filled out COC's and left site at 1030 to head to lab in hobbs.

Samples Collected:

- WW-4
- SW-2
- EW-1
- EW-2 0-4'
- EW-3 Sidewalks.
- EW-4
- NW-1

H.G.O.





Client: NOVO O&G

Page: 1 of 1

Project: NOVUM 2303/001

Date: 8-15-23

By: H. Gonzalez

Start on Site: H. Gonzalez (Rogers Contractor)

- 0700, Started backfill operations on Gravel Pad. Using Vibrating roller to Pack Gravel Substrate that was Staged on Site. Waiting for Water truck for layer compaction. Water truck scheduled to show up ~~at~~ on 8-16-23 @ 0800. Also set to begin hauling in Caliche as Pad material. Left site to other NOVO site at 1000. Rogge left site at 1659.





Client: NOVO O&G

Page: 1 of 1

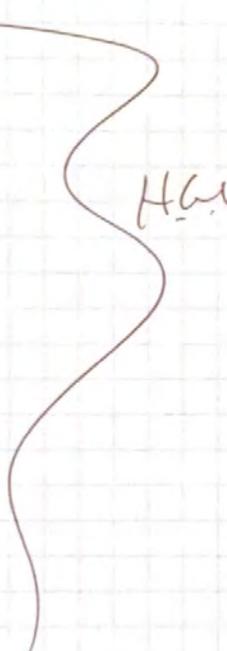
Date: 8-16-23

Project: NOVUM 2303/001

By: H. Gonzalez

Staff on site: H. Gonzalez, (Rogue Contractor)

0700: Backfill operations ongoing, using trella roller for the more narrow sections of the excavation. Water truck showed up today to aid in compacting the pad material. Left site at 1130, Rogue left site at 1700.

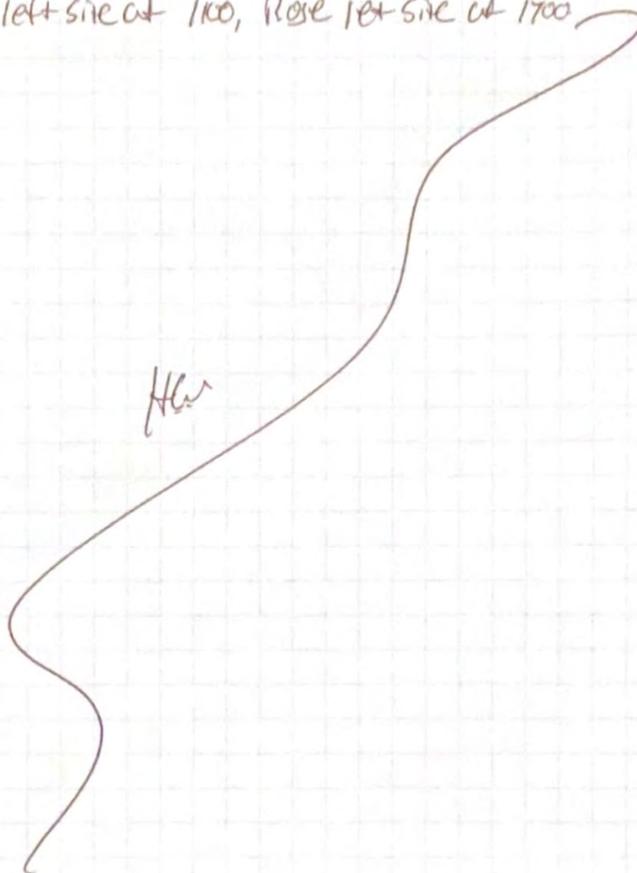




Page: 1 of 1
 Client: NOVO O&G Date: 8-17-23
 Project: NOVOM 2303/001 By: H. Gonzalez

Staff on site: H. Gonzalez (Rogue contractor)

0700 Bulkfill operations ongoing. UP close to the final layers of material needed. Will be capping pad material with gravel over the Caliche, and topsoil for off pad excavated areas to the west. left site at 1100, Rose left site at 1700





Client: Navo OGG

Page: 1 of 1

Date: 8-18-23

Project: NUONM 2303/001

By: H. Gonzalez

Start on site: H. Gonzalez (Boye contractors)

0700 Backfill operations ongoing, adding final layers of available material, waiting on additional material showing up on material 8-21-23. left site at 1030.
Boye left site at 1700

Hhe



Client: Novo Oil Co

Page: 1 of 1

Date: 8-21-23

Project: NOVUM 2303/001

By: H. Gonzalez

Start on site: H. Gonzalez (Rosa contractor)

0700, Backfill operations nearly completion, Putting cap of gravel on pad, Compacting with vibration roller and rebuilding berms around the site that were taken out. Left site at 1100, Backfill completed at 1700.

HG



Client: NOVO OF F

Page: 1 of 1

Date: 9-6-23

Project: NVOMM 2303/001

By: H. Gonzalez

Staff on site: LOC Contractor

- Seeding on off pad area performed with approved BLM seed mix -
Drought ~~test~~ Seeded at 3X the rate.

H.G.



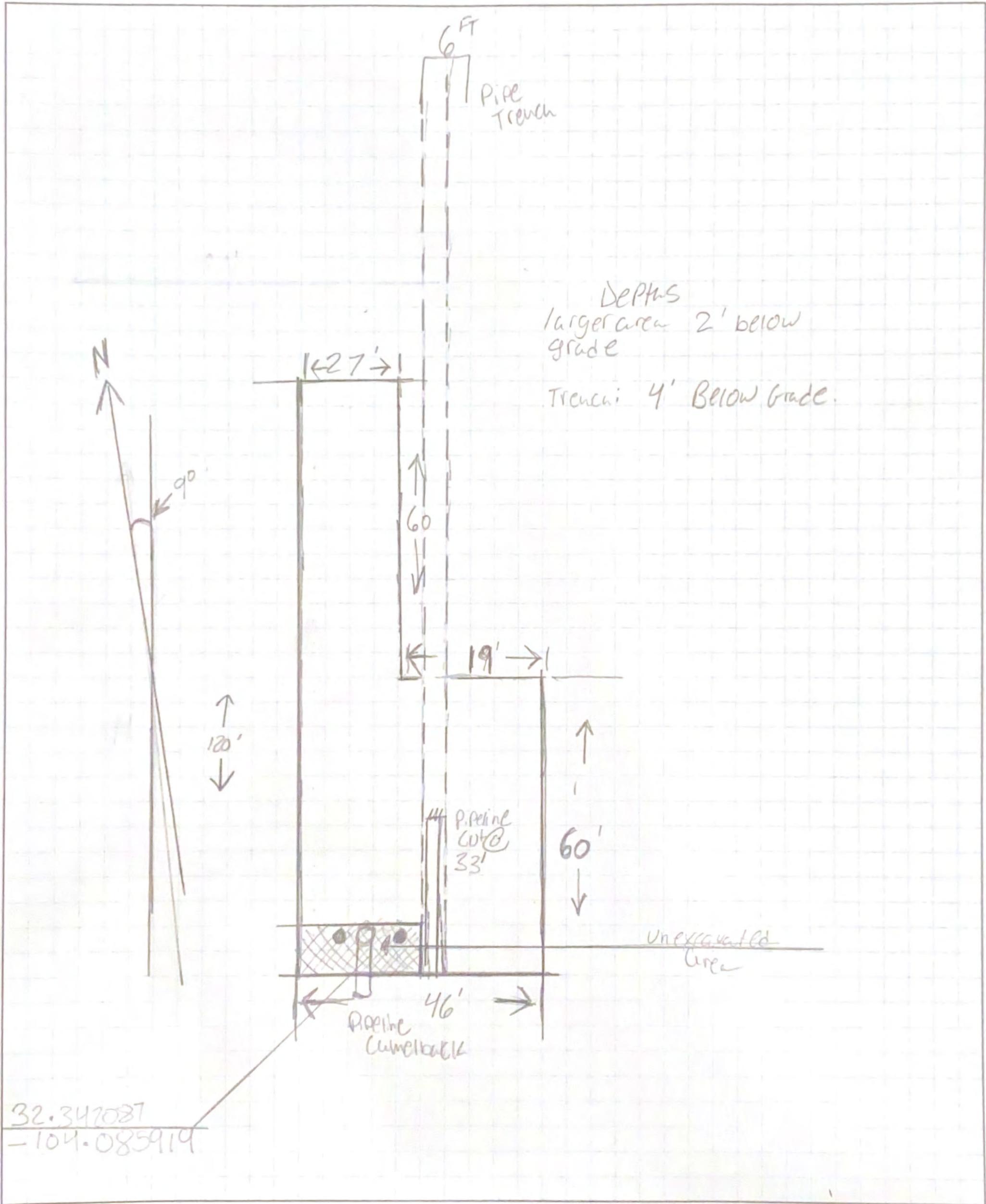
Client: NOVO Oil & Gas

Page: 1 of 1

Date: 3-24-2023

Project: NVONM 2203/001

By: H. Gonzalez



32.342087
-104.085919



Client: NOVO OF G

Page: 1 of 1

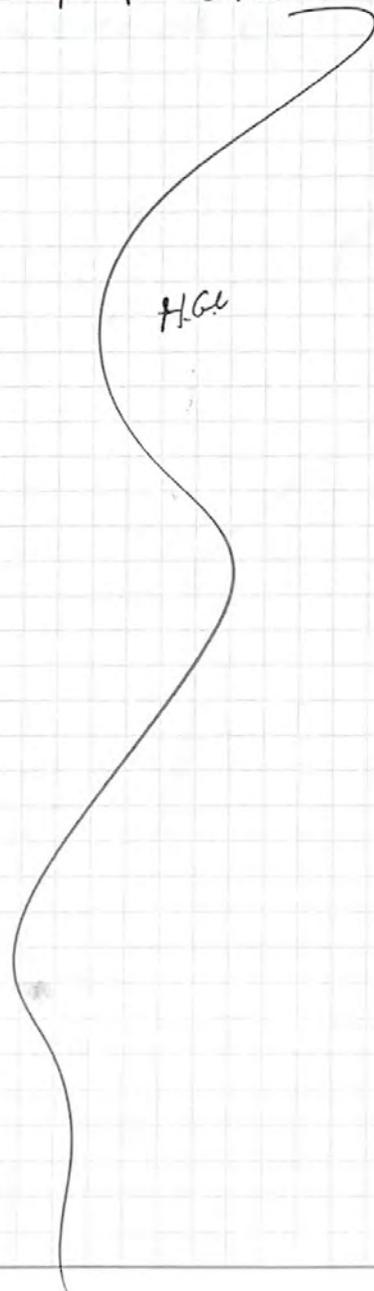
Date: 5-25-23

Project: Gothen Release Nucleon 2303/04 by: H. Gonzalez

Objective: Mark grids for further excavation, collect hand auger samples on the west wall, collect cany samples in excavated areas and take them to the lab.

Weather: Hot, sunny, scattered showers.

- Arrived on site at 0830, organized the team on areas to excavate.
- Identified areas to collect hand auger samples in, collected two hand auger samples along the west wall to establish extent of contamination. Collected two hand auger samples to 8', WW-2-2, WW-3-2.
- excavation still ongoing, will collect more samples tomorrow. left site at 1030 to take samples to the lab.





Client: NOVO OIG
Project: NOVM 2303/001

Page: 1 of 1
Date: 5-26-23
By: H. Gonzalez

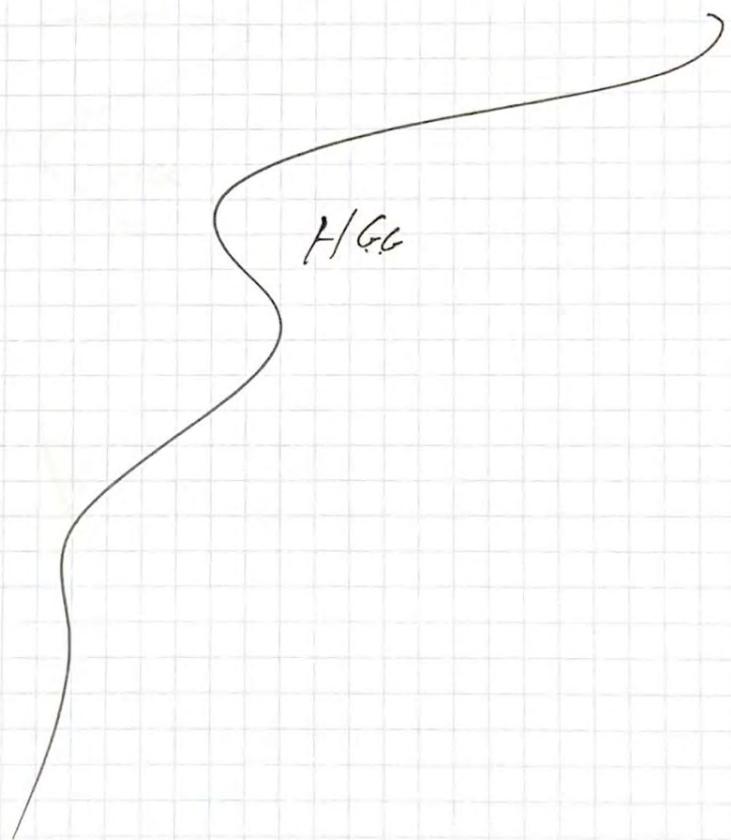
Objective: collect remaining floor samples that were dig out 5-25-23.

Staff on site: H. Gonzalez

Weather: Hot, sunny.

• Arrived on site at 1230, identified remaining floor samples to be collected. Noted, hand digging still ongoing, however, grids exposed enough to collect these samples.

Collected 18 samples 120-123" B6. 4, 5, 6, 7, 8, 9, 10, 12, 13, 15, 33, 34, 35, 36, 37, 38, 39, 46.
Placed samples in sample jars, filled out COC's and left to lab at 1500.





Client: NOVO O&G
Project: NO. 2303/008

Page: 1 of 1
Date: 6-2-23
By: H. Gonzalez

Objective: Collect floor samples that were excavated further.

Staff on site: H. Gonzalez

Weather: Hot, Sunny, High Winds

• Arrived on site at 1330, Located sample grids using new field map.

Collected 17 samples. G 5, 6, 7, 8, 9, 10, 12, 13, 15, 33, 34, 35, 36, 37, 38, 39, 46.
at 144-147" BG.

• Noted, sidewalls are getting too High. Unable to bench or slope due to adjacent DCP Pipeline and road flow lines.

Left site at 1530 to lab in Hobbs.





Client: NOVO O&G
Project: Mohm 2303/001

Page: 1 of 1
Date: 6-9-23
By: H. Gonzalez

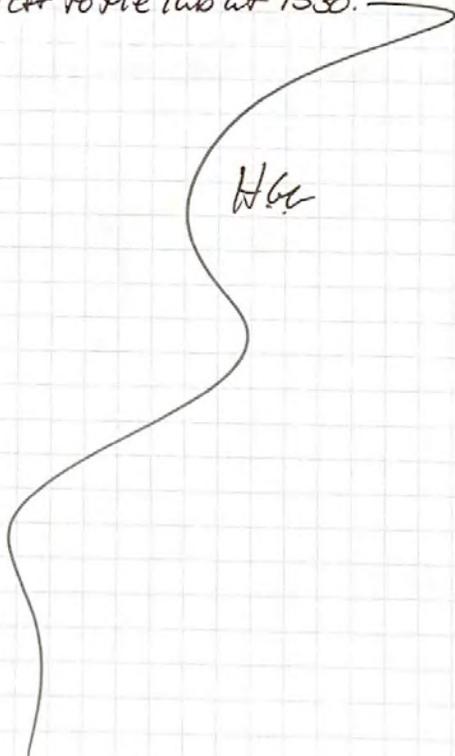
Objective: Collect floor samples that were excavated deeper.

Staff on site: H. Gonzalez

Weather: Hot, Sunny, cloud fair clouds present, but no precipitation.

Arrived on site at 1400, identified grids to be sampled. Noted, floors are solid rock, sampled soil that rested on top of rocks around 3" thick.

Collected 11 samples: 6, 6, 7, 8, 9, 34, 35, 36, 37, 38, 39, 46 @ 168-171" Bf. Jarred soil samples and filled out LOC'S. Left to the lab at 1530.





Client: NOVO Oil
Project: NOVA 2303/001

Page: 1 of 1
Date: 6-13-23
By: H. Gonzalez

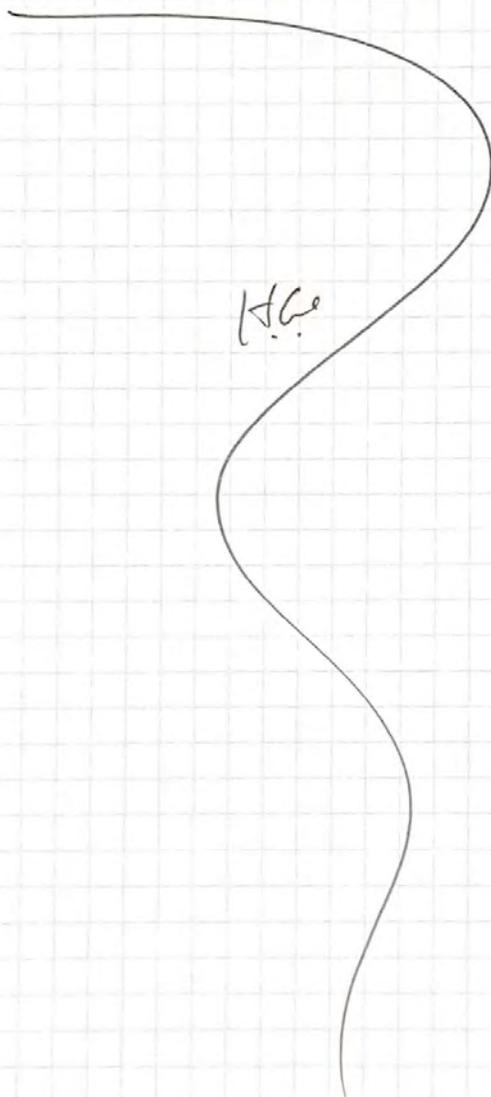
Objective: Collect remaining samples that were dug by hand the day prior.

Staff on site: H. Gonzalez

Weather: Hot, sunny.

- Arrived on site at 0730, located remaining grids to be sampled. Collected 4 samples, G-12, 13, 15, 33. @ 168"-171" BG.

Noted, sidewalls in this area that were hand dug are getting deep and dangerous only accessible w/ ladder.
Left site at 0845. Took samples to lab along with other Novo samples from Culebra Butte Remediation site.





Page: 1 of 1
 Client: NOVO O&G Date: 5-10-23
 Project: Green MONM 2303/001 By: H. Gonzalez

Objective: Mark excavated areas that need to be dug deeper; Collect Background Samples off the Pad site in native soil.

Weather: Hot, Sunny 80°

Staff: H. Gonzalez

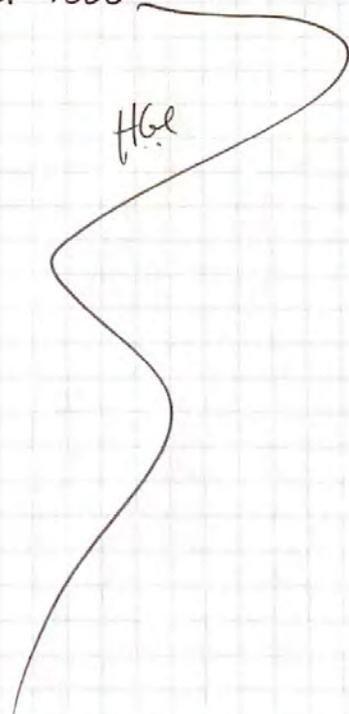
Arrived on site at 0945, got equipment ready, Field map to measure and mark areas with marking paint to be excavated a further 2 FT spoke with NOVO Staff (Pete Truitt) and he advised excavation would begin on Friday 5/12

1400: Returned to spill site to collect BG Samples off the pad site w/ hand Auger.

Collected 4 Samples total, soil was loose light brown to orange in color, sandy silt in appearance up to 1.75', after that was hard stone that was easily manipulated out of the sample hole with the auger to be separated from the sample jar.

Locations	
BG-1 32.342254 -104.086485	BG-2 32.342551 -104.086743
BG-1 (0-1') BG-1 (1-2')	BG-2 (0-1') BG-2 (1-2')

Filled out COC's and Placed Samples in Jars on ice. To be Analyzed for TPH BTEX. left to lab in hobbs at 1500.





Client: NOVO O&G
Project: NOVA 2303/001 Geotech

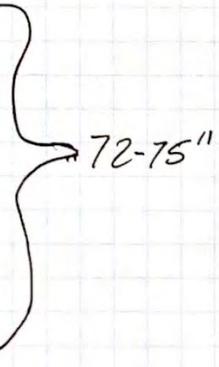
Page: 1 of 1
Date: 5-15-23
By: H. Gonzalez

Objective: Mark Sidewall Excavation locations, collect resamples in newly excavated area to 6 ft

Weather: Hot, sunny, Partly Cloudy. 72°, Rain forecasted

Left to site at 0720, met with excavation crew, identified Sidewall needing to be extended, noted location of DCP pipe, Roge crew did a one call prior to excavation. Left to Carlisbad to get ice for sample collection. Excavation finished at 0930, waited for crew to clear out of trench, started sample collection at 1100. Collected 33 total samples. Left to lab in Hobbs at 1400.

- G-1 G-11 G-36
- G-2 G-12 G-37
- G-3 G-13 G-38
- G-4 G-14 G-39
- G-5 G-15 G-40
- G-6 G-27 G-41
- G-7 G-28 G-42
- G-8 G-29 G-43
- G-9 G-34 G-44
- G-10 G-35 G-45
- G-46



Collected 2 Sidewall resamples.

ww-2B 0-6'
ww-3B 0-6'



Page: 1 of 1
Client: Novo OIG
Date: 5-22-23
Project: Gonca Release Nov 23 2023 By: H. Gonzalez

Objective: Follow up w/ excavation crew, collect samples at new 8' depth, collect 2 Hand Auger borings on WW2, WW3 to determine how far to extend the wall

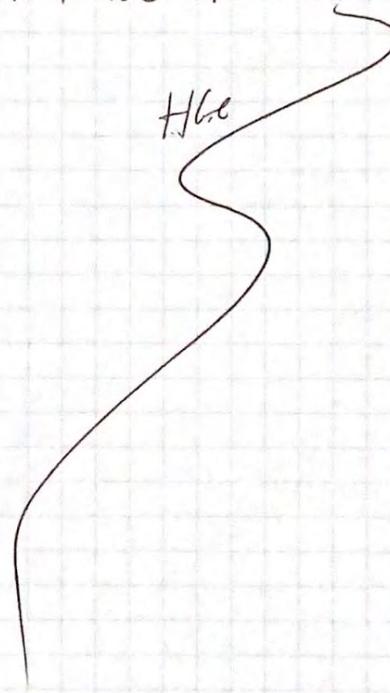
Weather: HOT, Sunny, Light Showers.

Staff on Site: A. Gonzalez

Arrived on site at 0830, checked in with excavation crew, excavation in progress by hand (pickaxe, shovel) and hydraulic truck on site to expose 6" pipe in trench. Left site at 0915 to other Novo site.

Returned to Novo Gonca site at 1330, to locate bore hole locations and collect any samples around the workers/ equipment. Started auger holes for hand auger on two west walls 1.5' west to determine how far we need to extend sidewall.

Collected 31, 33, 35, 36, 37, 38. Left to lab at 1530.





Client: NOVO OSG

Page: 1 of 1

Date: 5-23-2023

Project: Granu Pieces 2303/001

By: H. Gonzalez

Objective: Collect remaining samples for Chlorides and TPH

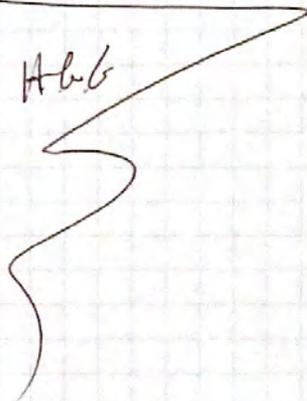
Weather: Hot, Sunny, Windy.

Staff on site: H. Gonzalez.

Arrived on site at 1200. Crews still on site excavating, able to work around them. Got sampling equipment ready and began sampling at 1220. Collected 19 samples to be analyzed for Chlorides and TPH.

62, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 34, 39, 40, 41, 42, 46. Left to lab at 1415.

H.G.





APPENDIX E
Waste Management Documentation



APPENDIX F
Laboratory Analytical Data Reports

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 267714

CONDITIONS

Operator: NOVO OIL & GAS NORTHERN DELAWARE, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372920
	Action Number: 267714
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	Closure Report Approved.	3/11/2024