Incident Number: nRM2005656589

Amended Release Assessment and Deferral

North Pure Gold 8 Federal #001

Section 08, Township 23 South, Range 31 East

API: 30-015-26296

County: Eddy

Vertex File Number 25A-02297

Prepared for:

Devon Energy Production Company, LP

Prepared by:

Vertex Resource Services Inc.

Date:

September 2025

Amended Release Assessment and Deferral
North Pure Gold 8 Federal #001
Section 08, Township 23 South, Range 31 East
API: 30-015-26296
County: Eddy

Prepared for:
Devon Energy Production Company, LP
6488 Seven Rivers Highway
Artesia, New Mexico, 88210

New Mexico Oil Conservation Division
508 West Texas Avenue
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Prepared by:
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September 30, 2025
Date

Sally Carttar

Sally Carttar, BA.
PROJECT MANAGER, REPORT REVIEW

September 30, 2025
Date

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1.0 Introduction

Devon Energy Production Company, LP (Devon) retained Vertex Resource Services Inc. (Vertex) to conduct an Amended Release Assessment and Deferral for a produced water and crude oil release that occurred on February 19, 2020, at North Pure Gold 8 Federal #001 API 30-015-26296 (hereafter referred to as the "site"). Devon submitted an initial C-141 Release Notification (Appendix A) to New Mexico Oil Conservation Division (NMOCD) District 2 on February 25, 2020. Incident ID number nRM2005656589 was assigned to this incident.

This is an amended deferral request intended to meet the objections noted in the denial of the original deferral request. This report provides a description of the release assessment and remediation activities associated with the site. The information presented demonstrates that closure criteria established in Table I of 19.15.29.12 of the *New Mexico Administrative Code* (NMAC; New Mexico Oil Conservation Division, 2018) related to NMOCD will be met upon reclamation and all applicable regulations are being followed. This document is intended to serve as a final report to obtain approval from NMOCD for deferral of this release, with the understanding that restoration of the release site will be deferred until such time as all oil and gas activities are terminated and the site is reclaimed as per NMAC 19.15.29.13.

2.0 Incident Description

The release occurred on February 19, 2020, due to a hole in the fiberglass tank. The incident was reported on February 25, 2020, and involved the release of approximately 40 barrels (bbl) of produced water and 5.2 bbl of crude oil into the unlined earthen containment on the pad site. Free fluid was not recovered or removed during initial cleanup. Additional details relevant to the release are presented in the C-141 Report.

3.0 Site Characteristics

The site is located approximately 17 miles east-northeast of Malaga, New Mexico. The legal location for the site is Section 08, Township 23 South and Range 31 East in Eddy County, New Mexico. The release area is located on Bureau of Land Management property. An aerial photograph and site schematic are presented on Figure 1.

The location is typical of oil and gas exploration and production sites in the Permian Basin and is currently used for oil and gas production and storage. The following sections specifically describe the release area inside the earthen containment on the constructed pad (Figure 1).

The Geological Map of New Mexico (New Mexico Bureau of Geology and Mineral Resources, 2025) indicates the site's surface geology primarily comprises Qep - Eolian and piedmont deposits (New Mexico Bureau of Geology and Mineral Resources, 2025). The karst geology potential for the site is low (United States Department of the Interior, Bureau of Land Management, 2018). The surrounding landscape is associated with alluvial fans and plains with elevations ranging between 3,100 and 4,200 feet. The climate is semiarid with average annual precipitation ranging between 10 and 14 inches. Predominant soil textures around the site are very well-drained fine sands with negligible runoff potential (United States Department of Agriculture, Natural Resources Conservation Service, 2025). Using information from the United States Department of Agriculture, the dominant vegetation was determined to be grasses interspersed

with shrubs (United States Department of Agriculture, Natural Resources Conservation Service, 2025). Limited to no vegetation is allowed to grow on the compacted facility pad.

4.0 Closure Criteria Determination

The depth to groundwater was determined by drilling a borehole permitted by the New Mexico Office of the State Engineer (NMOSE) within a 0.5-mile radius of the site. The borehole was advanced to a depth of 105 feet on December 14, 2023. The borehole was left to recharge as per the requirements of the WR-07 Application for Permit to Drill a Well with No Water Rights, and an interface probe was utilized to determine whether groundwater was present at the conclusion of the 72-hour recharge period. No water was found to be present at that time. The borehole was plugged and abandoned on December 21, 2023, according to the WR-08 permit, Well Plugging Plan of Operations, filed with NMOSE. The well log for exploratory borehole C 04776 POD1 is included in Appendix B.

There is no surface water present at the site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is an intermittent stream located approximately 0.92 miles northeast of the site (United States Fish and Wildlife Service, 2025). At the site, there are no continuously flowing watercourses or significant watercourses, lakebeds, sinkholes, playa lakes or other critical water or community features as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC. Information pertaining to the closure criteria determination is summarized in Table 1 and references are included in Appendix B.

Based on data included in the closure criteria determination in Table 1, the release at the site is not subject to the requirements of Paragraph (4) of Subsection C of 19.15.29.12 of NMAC. The nearest depth to groundwater reference is 0.40 miles from the site; therefore, the closure criteria for the incident assumes depth to groundwater greater than 100 feet below ground surface (bgs).

Table 1. Closure Criteria Determination			
Site Name: North Pure Gold 8 Federal #001			
Spill Coordinates: 32.316792, -103.793141		**X: 613570**	**Y: 3576224**
Site Specific Conditions		**Value**	**Unit**
1	Depth to Groundwater (nearest reference)	**>105**	feet
	Distance between release and nearest DTGW reference	**2,099**	feet
		0.40	miles
	Date of nearest DTGW reference measurement	**December 13, 2023**	
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	4,870	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	5,753	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	6,230	feet
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, **or**	6,132	feet
	ii) Within 1000 feet of any fresh water well or spring	5,078	feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	(Y/N)
7	Within 300 feet of a wetland	5,336	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
	Distance between release and nearest registered mine	31,125	feet
9	Within an unstable area (Karst Map)	Low	Critical High Medium Low
	Distance between release and nearest High Karst	10,900	feet
10	Within a 100-year Floodplain	>500	year
	Distance between release and nearest FEMA Zone A (100-year Floodplain)	33,400	feet
11	Soil Type	Fine Sand	
12	Ecological Classification	Deep Sand	
13	Geology	Eolian and piedmont deposits	
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	>100'	<50' 51-100' >100'

The closure criteria determined for the site are associated with the following constituent concentration limits as presented in Table 2.

Table 2. Closure Criteria for Soils Impacted by a Release

Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit
> 100 feet	Chloride	20,000 mg/kg
	TPH (GRO+DRO+MRO)	2,500 mg/kg
	GRO+DRO	1,000 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TDS – total dissolved solids
TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics
BTEX – benzene, toluene, ethylbenzene and xylenes

5.0 Remedial Actions Taken

Release assessment and characterization of the release was completed by Talon/LPE in March and April 2020. Characterization sample locations and release areas are presented on Figure 1. Characterization laboratory results are summarized in Table 3.

Remediation of the release was conducted by Talon/LPE in March and April 2020. Based on characterization results, contaminated material was removed through excavation to 4 feet bgs over the release area. Talon/LPE oversaw the removal of approximately 77 cubic yards of material from the site. Talon/LPE collected excavation confirmation samples between March 30 and April 6, 2020. The Talon/LPE Remediation and Closure Report includes pictures documenting various phases of the remediation and is included in Appendix C. General confirmation sample locations are presented on Figure 1. Confirmation laboratory results are presented in Table 4, and the laboratory data reports are included in the Talon/LPE Remediation and Closure Report (Appendix C).

Notations in the Talon/LPE Remediation and Closure Report indicated that the excavation depth could not be increased without destabilizing the tank. The presence of the tank and stairs to the catwalk also prevented expansion of the excavation sidewalls to the north and west to complete remediation. Removal of the tank, catwalk, and stairs was determined to be necessary to complete remediation of the containment area horizontally and vertically.

Laboratory results for samples from S-8 exceeded NMOCD closure criteria for DRO+GRO and TPH to 10 feet bgs. The future excavation required to meet closure criteria will be 12 feet in depth. The “benching” of the excavation walls required to maintain horizontal stability will result in horizontal expansion of the excavation to encompass the entire earthen berm containment area. At time of site decommissioning, the excavation required to meet reclamation criteria will remove any residual release from the incident in question. Locations S-7 and S-8, and the surrounding areas will be deferred until the reclamation of the pad.

The Talon/LPE Remediation and Closure Report was received by the NMOCD on June 5, 2020, and was denied on July 20, 2020, with the following explanation (included in Appendix D):

"The Depth to groundwater has been inadequately assessed. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If Devon believes that groundwater is > 100', a borehole will need to be drilled onsite and a copy of the driller's log must be provided.
If Devon chooses not to drill a borehole to confirm the depth to groundwater, the site must be delineated/remediated to meet the Closure Criteria in Table 1 for groundwater at a depth of 50 feet or less."

At the time of the initial closure request by Talon/LPE, a local or recent depth to groundwater reference for the site was not available. The advancement of the dry exploratory borehole on December 13, 2023, to 105 feet bgs demonstrates that the depth to groundwater exceeds 100 feet bgs (Appendix B). The current and local depth to groundwater reference satisfies the requirements specified in the denial above.

The site was inspected on May 15, 2025, to confirm the production equipment remained in place. Infrastructure and equipment locations are shown on Figure 2 and the Daily Field Report documenting the storage tank and surrounding infrastructure is presented in Appendix E.

Proposed excavations "benched" in vertical increments of 4 feet and horizontal increments of 7 feet to a total depth of 12 feet bgs are illustrated on Figure 3. The proposed excavations would remove the residual impacted material beneath the tank and historical excavation. The excavation would extend horizontally beyond the earthen containment to the north and west, and beyond the fence to the east and south. The horizontal extent of the excavation due to benching will remove material beyond the edges of the original release bound by the earthen containment.

6.0 Deferral Request

Vertex recommends no additional remedial action at this time to address the release at North Pure Gold 8 Federal #001 until the equipment on-site is decommissioned and removed. Laboratory analyses of the confirmation samples collected from the accessible portions of the release area showed constituent of concern concentration levels below NMOCD closure criteria for areas where depth to groundwater is greater than 100 feet bgs as shown in Table 2. Accessible areas of the release were remediated and backfilled with local soils. There are no anticipated or imminent risks to human, ecological, or hydrological receptors associated with the release site including the proposed reclamation excavation area.

On behalf of Devon Energy Production Company, LP, Vertex requests deferral of the containment area as it is in proximity to a storage tank and associated infrastructure. The release has been delineated with the understanding that final remediation and restoration of locations S-7 and S-8 will result in excavation of the entire earthen containment area to maintain sidewall stability to a depth of 12 feet bgs. The release will be deferred until such time as all oil and gas activities are terminated as per NMAC 19.15.29.12 and 19.15.29.13.

The proposed deferral area consists of 2,912 square feet encompassing the earthen containment, storage tank, and associated equipment. To meet NMOCD reclamation requirements, the area under the tank and the historical excavation area will be excavated to a depth of 12 feet bgs with “benches” in vertical increments of 4 feet and horizontal increments of 7 feet to maintain sidewall stability. The total proposed excavation including benching to support the interior sidewalls will require the removal of approximately 432 cubic yards of soil following equipment removal. The total release volume was 45.2 bbl and was localized inside the earthen containment in immediate proximity to production equipment and infrastructure. Site deconstruction will be required to complete remediation of the release.

Vertex respectfully requests that incident nRM2005656589 be deferred until the production equipment is retired and removed prior to reclamation. Devon certifies that all information in this report and the attachments is correct, and that they have complied with all applicable requirements and conditions specified in Division rules and directives to meet NMOCD requirements to obtain deferral on the February 19, 2020, release at North Pure Gold 8 Federal #001.

Should you have any questions or concerns, please do not hesitate to contact the Project Manager Sally Carttar at 575.361.3561 or SCarttar@vertexresource.com.

7.0 References

Google Inc. (2025). *Google Earth Pro (Version 7.3.3)* [Software]. Retrieved from https://earth.google.com

New Mexico Bureau of Geology and Mineral Resources. (2025). *Interactive Geologic Map*. Retrieved from https://maps.nmt.edu/

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United States Fish and Wildlife Service. (2025). *National Wetland Inventory - Surface Waters and Wetlands*. Retrieved from https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/

8.0 Limitations

This report has been prepared for the sole benefit of Devon Energy Production Company, LP. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division and the Bureau of Land Management, without the express written consent of Vertex Resource Services Inc. (Vertex) and Devon Energy Production Company, LP. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

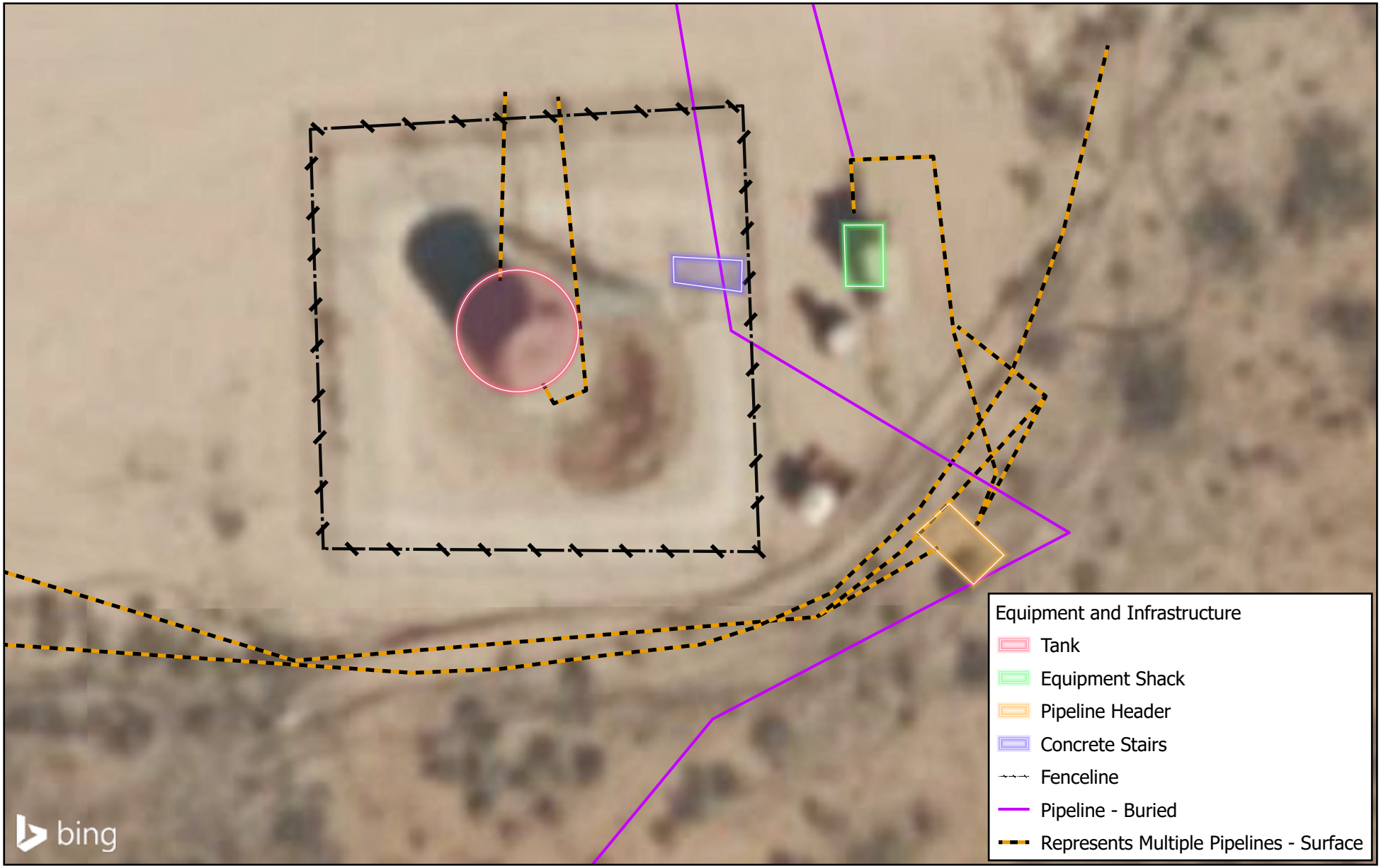
The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

FIGURES

North Pure Gold 8 Fed #001

Devon Energy Production Company
Eddy County, NM
API 30-015-26296
Site Map

Figure 1 (Talon/LPE)



VERTEX

0 10 20 ft

NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

Map Center:
Lat/Long: 32.316781°N, 103.793103°W
Date: May 19/25

N

Production Equipment and Infrastructure Schematic
North Pure Gold 8 Federal #001

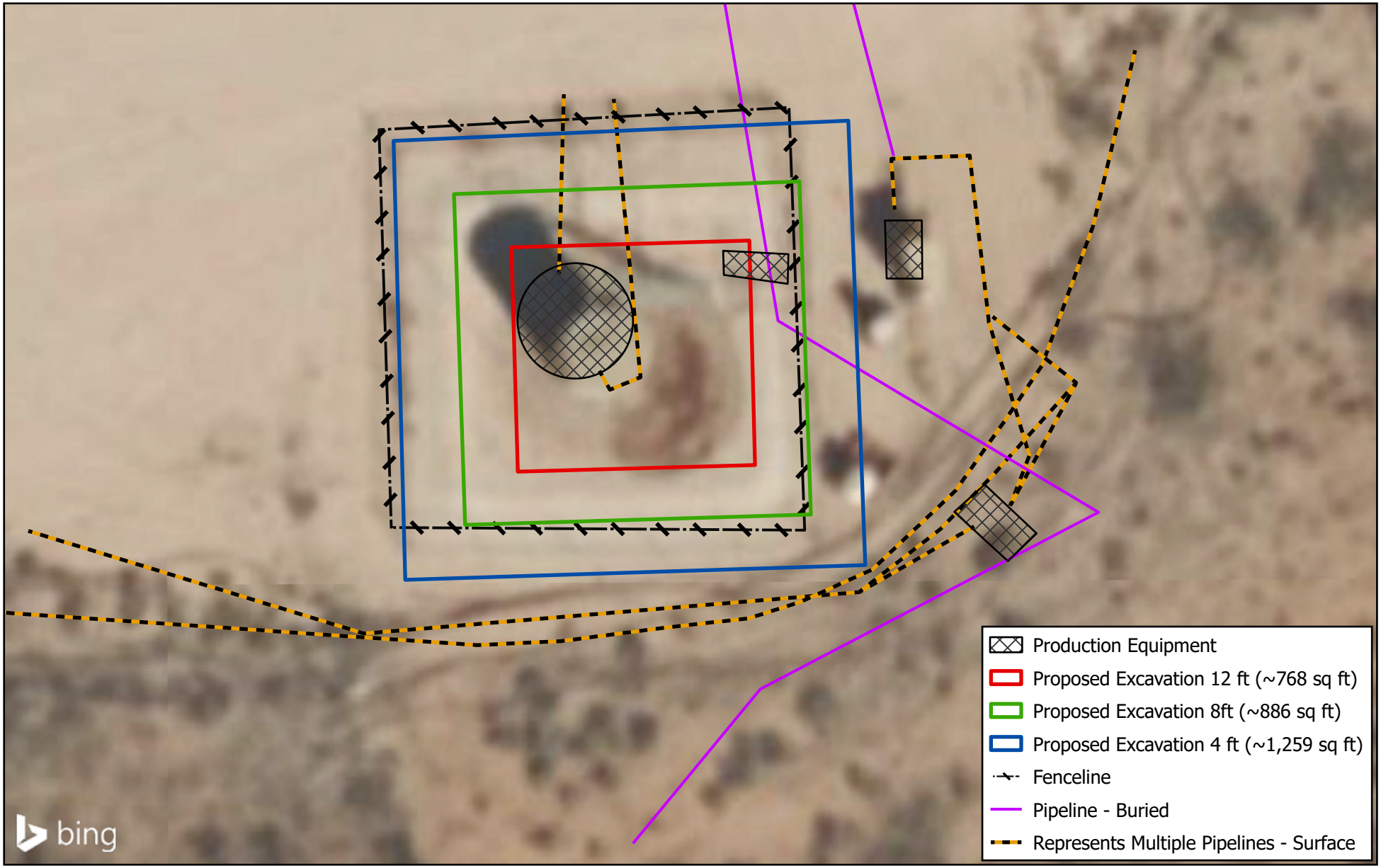
FIGURE:
2

devon

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.

VERSATILITY. EXPERTISE.



VERTEX

0 10 20 ft

NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

Map Center:
Lat/Long: 32.316776°N, 103.793122°W

Date: May 19/25

N

Proposed Reclamation Excavation Schematic
North Pure Gold 8 Federal #001

FIGURE:
3

devon

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.

VERSATILITY. EXPERTISE.

TABLES

Client Name: Devon Energy Production Company, LP
Site Name: North Pure Gold 8 Federal #001
NMOCD Tracking #: nRM2005656589
Project #: 25A-02297
Lab Reports: H000708 and H001136

Table 3. Talon Initial Characterization Laboratory Results - Depth to Groundwater >100 feet bgs

Sample Description			Petroleum Hydrocarbons							Inorganic
			Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
S-1	0-1	March 3, 2020	ND	ND	ND	ND	ND	ND	ND	112
S-2	0-1	March 3, 2020	ND	ND	ND	63	ND	63	63	112
S-3	0-1	March 3, 2020	ND	ND	ND	ND	ND	ND	ND	64
S-4	0-1	March 3, 2020	ND	ND	ND	ND	ND	ND	ND	16
	1-2	March 3, 2020	ND	ND	ND	ND	ND	ND	ND	ND
S-5	0-1	March 3, 2020	ND	15.2	258	2,250	ND	**2,508**	**2,508**	80
	1-2	March 3, 2020	ND	6.99	202	1,220	ND	**1,422**	1,422	32
S-6	0-1	March 3, 2020	ND	ND	ND	ND	ND	ND	ND	32
	1-2	March 3, 2020	ND	ND	ND	ND	ND	ND	ND	32
S-7	0-1	March 3, 2020	0.095	21.6	2,050	11,800	ND	**13,850**	**13,850**	96
	1-2	March 3, 2020	ND	94.9	4,220	16,900	ND	**21,120**	**21,120**	32
	2-3	March 3, 2020	ND	90.4	4,640	18,000	ND	**22,640**	**22,640**	32
	3-4	March 3, 2020	ND	86.3	5,160	18,900	ND	**24,060**	**24,060**	32
S-8	0-1	March 3, 2020	ND	114	3,670	12,600	ND	**16,270**	**16,270**	64
	1-2	March 3, 2020	ND	119	4,280	12,300	ND	**16,580**	**16,580**	48
	2-3	March 3, 2020	ND	117	3,870	11,200	ND	**15,070**	**15,070**	32
	3-4	March 3, 2020	ND	109	3,890	11,300	ND	**15,190**	**15,190**	32
	12	April 16, 2020	-	-	ND	362	ND	362	362	-

"ND" Not Detected at the Reporting Limit
"-" indicates not analyzed/assessed
Bold and grey shaded indicates exceedance outside of NMOCD Remediation Closure Criteria

Client Name: Devon Energy Production Company, LP
Site Name: North Pure Gold 8 Federal #001
NMOCD Tracking #: nRM2005656589
Project #: 25A-02297
Lab Reports: 2004001 and 2004234

Table 4. Talon Confirmatory Sample Laboratory Results - Depth to Groundwater >100 feet bgs

Sample Description			Extractable				
Sample ID	Depth (ft)	Sample Date	Gasoline Range Organics (GRO) (mg/kg)	Diesel Range Organics (DRO) (mg/kg)	Motor Oil Range Organics (MRO) (mg/kg)	(GRO + DRO) (mg/kg)	Total Petroleum Hydrocarbons (TPH) (mg/kg)
S-7 S Sidewall	4	March 30, 2020	ND	430	ND	430	430
S-7 N Sidewall	4	March 30, 2020	240	4,700	ND	**4,940**	**4,940**
S-7 E Sidewall	4	March 30, 2020	ND	480	ND	480	480
S-8 N Sidewall	4	March 30, 2020	570	1,200	ND	**1,770**	1,770
S-8 E Sidewall	4	March 30, 2020	280	4,400	ND	**4,680**	**4,680**
S-8 W Sidewall	4	March 30, 2020	1,100	11,000	ND	**12,100**	**12,100**
S-8	6	March 30, 2020	2,900	15,000	ND	**17,900**	**17,900**
	8	March 30, 2020	1,300	13,000	ND	**14,300**	**14,300**
	10-R	March 30, 2020	1,800	14,000	ND	**15,800**	**15,800**
S-7	6	March 30, 2020	20	51	ND	71	71
S-8 E Sidewall	4	April 6, 2020	ND	17	ND	17	17
S-7 E Sidewall	4	April 6, 2020	ND	ND	ND	ND	ND
S-7 S Sidewall	4	April 6, 2020	ND	ND	ND	ND	ND

"ND" Not Detected at the Reporting Limit
"-" indicates not analyzed/assessed
Bold and grey shaded indicates exceedance outside of NMOCD Remediation Closure Criteria

APPENDIX A - NMOCD C-141 Report

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	NRM2005656589
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

State of New Mexico
Oil Conservation Division

Incident ID	NRM2005656589
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

- ☐ The source of the release has been stopped.
- ☐ The impacted area has been secured to protect human health and the environment.
- ☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: _____ Title: _____

Signature: Kendra DeHoyos Date: _____

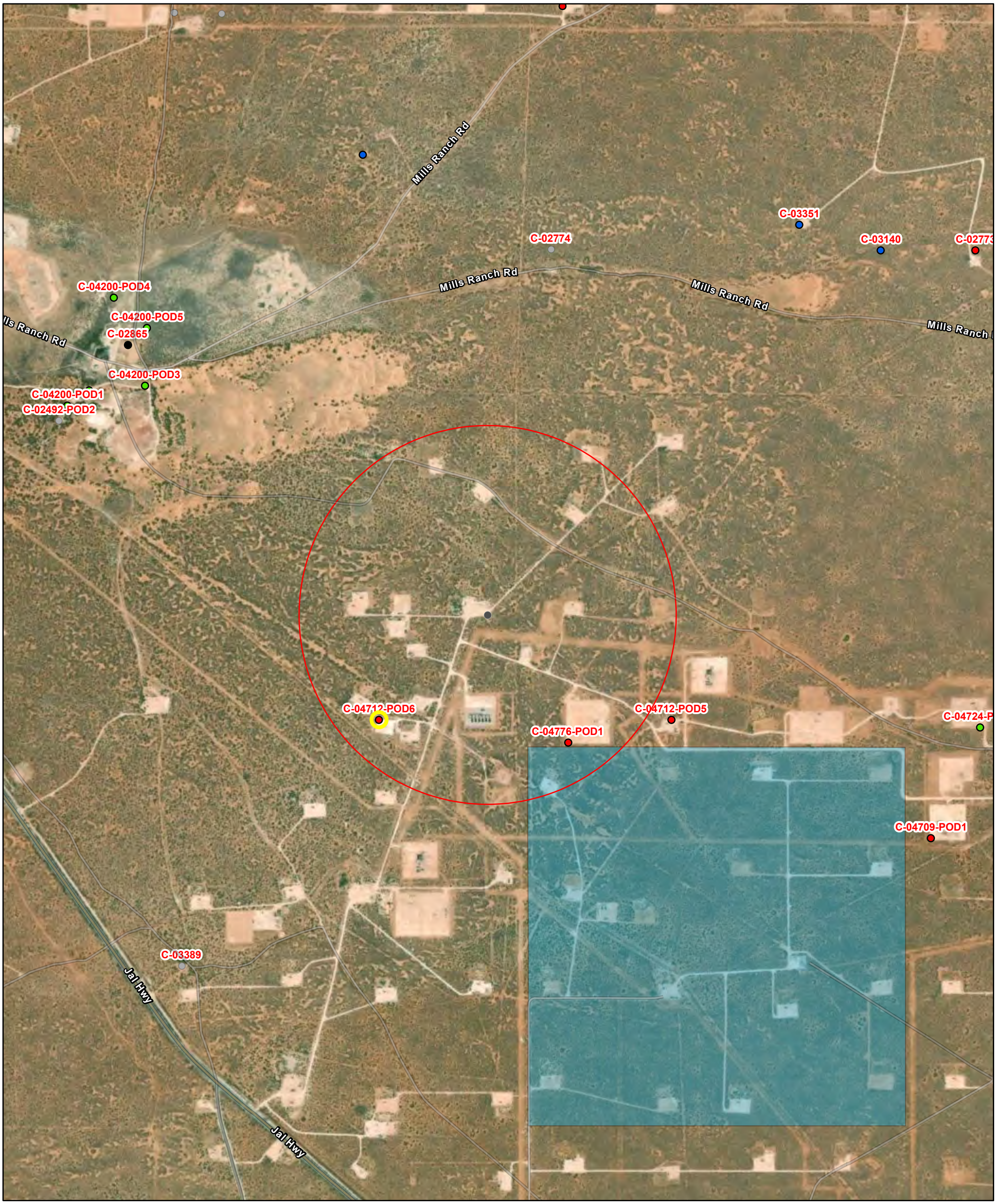
email: _____ Telephone: _____

OCD Only

Received by: Ramona Marcus Date: 02/25/2020

APPENDIX B – Closure Criteria Research Documentation

OSE POD 0.5 miles



5/13/2025, 7:20:55 AM

GIS WATERS PODs

- Active
- Pending
- Inactive
- Plugged

OSE District Boundary

New Mexico State Trust Lands

Both Estates

1:18,056

0 0.17 0.35 0.7 mi

0 0.28 0.55 1.1 km

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

Online web user

This is an unofficial map from the OSE's online application.

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced, O=orphaned, C=the file is closed)			(quarters are smallest to largest)						(NAD83 UTM in meters)				(In feet)	(In feet)	(In feet)
POD Number	**Code**	**Sub basin**	**County**	**Q64**	**Q16**	**Q4**	**Sec**	**Tws**	**Range**	**X**	**Y**	**Map**	**Distance**	**Well Depth**	**Depth Water**	**Water Column**
C 04712 POD6		CUB	ED	SW	SW	SE	08	23S	31E	613146.6	3575740.1		642	55		
C 04776 POD1		CUB	ED	SW	SW	SW	09	23S	31E	613953.1	3575651.8		688		105	
C 04712 POD5		CUB	ED	SE	SE	SW	09	23S	31E	614392.9	3575754.4		947	55		
C 02774		CUB	ED	SW	NW	SW	04	23S	31E	613857.0	3577745.0 *		1547	1660		
C 02492		CUB	ED	SE	SE	SE	06	23S	31E	612056.0	3577320.0 *		1869	135	85	50
C 02865		CUB	ED	SE	SE	SE	06	23S	31E	612056.0	3577320.0 *		1869	174		
C 02492 POD2		C	ED	SW	NE	NE	07	23S	31E	611767.4	3576996.6		1961	400	125	275
C 02664		CUB	ED	SW	SW	NE	05	23S	31E	613049.0	3578138.0 *		1983	4291	354	3937
														Average Depth to Water: **167 fee**		
														Minimum Depth: **85 feet**		
														Maximum Depth: **354 feet**		

Record Count: 8

UTM Filters (in meters):
Easting: 613570
Northing: 3576224
Radius: 002000

*** UTM location was derived from PLSS - see Help**

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	C 04776 POD1	SW	SW	SW	09	23S	31E	613953.1	3575651.8	

*** UTM location was derived from PLSS - see Help**

Driller License:	1833	**Driller Company:**	VISION RESOURCES, INC		
Driller Name:	JASON MALEY				
Drill Start Date:	2023-12-13	**Drill Finish Date:**	2023-12-13	**Plug Date:**	2023-12-18
Log File Date:	2024-01-12	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	2.00	**Depth Well:**		**Depth Water:**	105

Water Right Summary

get image list

WR File Number:	C 04776	**Subbasin:**	CUB	**Cross Reference:**	
Primary Purpose:	MON MONITORING WELL				
Primary Status:	PMT Permit				
Total Acres:		**Subfile:**		**Header:**	
Total Diversion:	0.000	**Cause/Case:**			
Owner:	DEVON ENERGY RESOURCES	**Owner Class:**	Owner		
Contact:	DALE WOODALL				

Documents on File

(acre-feet per annum)

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion	Consumptive
get images	751180	EXPL	2023-09-19	PMT	APR	C-4776 POD1	T	0.000	0.000	

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
C 04776 POD1	NA		SW	SW	SW	09	23S	31E	613953.1	3575651.8		

*** UTM location was derived from PLSS - see Help**

Source

Acres	Diversion	CU	Use	Priority	Source	Description
0.000	0.000		MON		GW	

5/13/25 7:00 AM MST **Water Rights Summary**

WELL RECORD & LOG

Kolante 9 Fed

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
~~C-4776~~ Pod1		CO4776

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy Resources	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
205 E. Bender Road # 150	Hobbs	NM	88240

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	18	42.84	N
	LONGITUDE	-103	47	22.2	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1833	Jason Maley	Vision Resources

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
12-13-23	12-13-23	105'	105'	Dry hole

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DATE STATIC MEASURED: 12-16-23

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	95'	6"	2" PVC SCH40	Thread	2"	SCH40	N/A
95'	105'	6"	2" PVC SCH40	Thread	2"	SCH40	.05

OSE DII JAN 12 2024 PM 1:52

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			None Pulled and Plugged		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-4776-POD1	POD NO. 1	TRN NO. 751180	
LOCATION Expl 23.31.09.333		WELL TAG ID NO. ———	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	5'	5'	Red Sand	Y ✓N	
5'	20'	15'	Tan Fine Sand	Y ✓N	
20'	40'	20'	Tan Fine sand with caliche rock	Y ✓N	
40'	105'	65'	Red sand with medium rock	Y ✓N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY: Dry Hole

TOTAL ESTIMATED WELL YIELD (gpm): 0

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

OSE DIT JAN 12 2024 PM 1:52

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jason Maley — 1/10/24

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-4776-POD 1	POD NO. 1	TRN NO. 751180	
LOCATION Expl 23.31.09.333		WELL TAG ID NO.	PAGE 2 OF 2

Mike A. Hamman, P.E.
State Engineer

well Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 751180
File Nbr: C 04776
Well File Nbr: C 04776 POD1

Jan. 12, 2024

DALE WOODALL
DEVON ENERGY RESOURCES
205 E BENDER ROAD #150
HOBBS, NM 88240

Greetings:

The above numbered permit was issued in your name on 09/19/2023.

The Well Record was received in this office on 01/12/2024, stating that it had been completed on 12/13/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 09/18/2024.

If you have any questions, please feel free to contact us.

Sincerely,

Maret Thompson
(575)622-6521

drywell

U.S. Fish and Wildlife Service

National Wetlands Inventory

NPG 8 Fed #001, Intermittent 4870 ft

July 30, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

U.S. Fish and Wildlife Service
National Wetlands Inventory

NPG 8 Fed #001, Pond 5753 ft

July 30, 2021

Wetlands

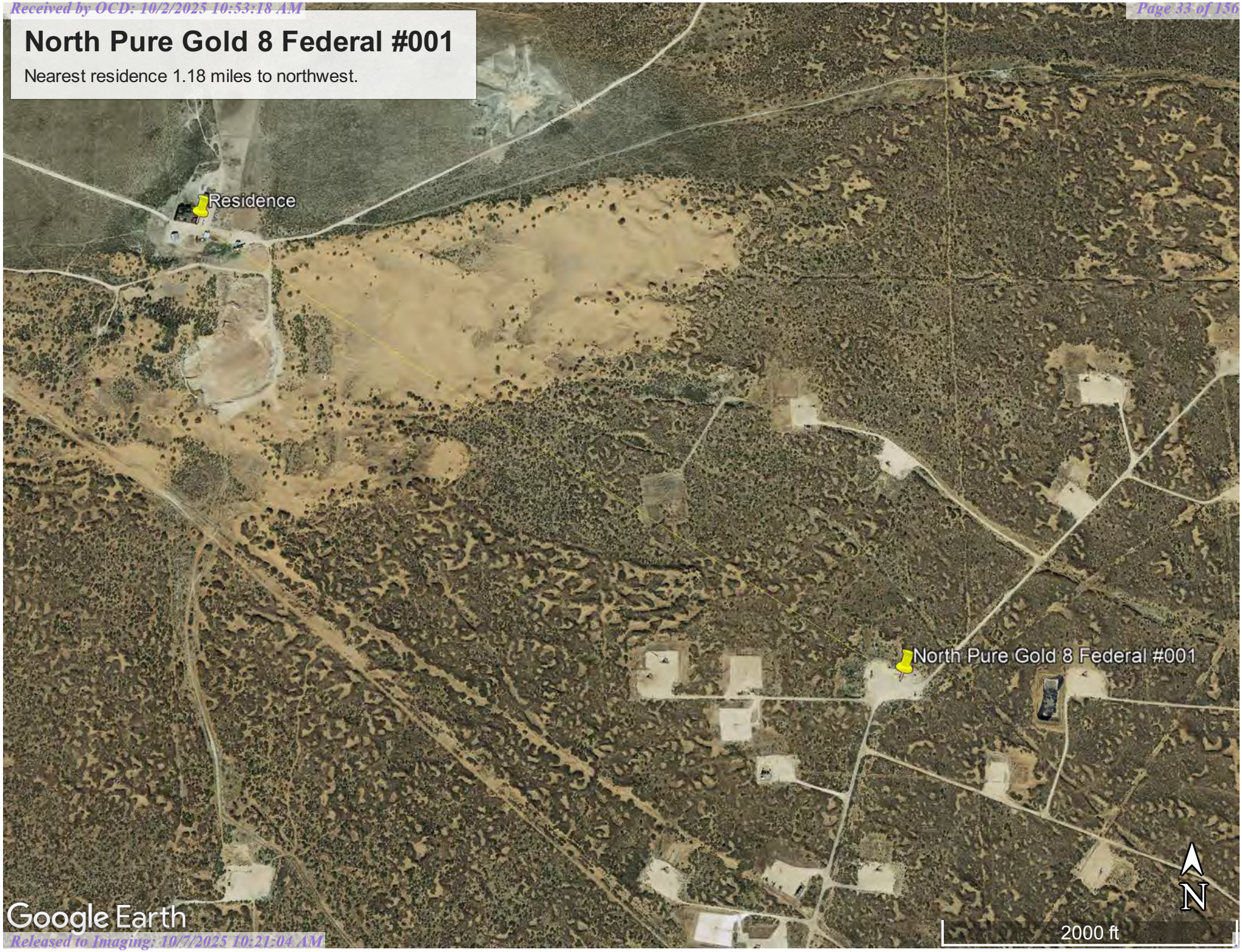
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

North Pure Gold 8 Federal #001

Nearest residence 1.18 miles to northwest.



Active & Inactive Points of Diversion

(with Ownership Information)

		(acre ft per annum)				(R=POD has been replaced and no longer serves this file, C=the file is closed)				(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)			(meters)
WR File Nbr	**Sub basin**	**Use**	**Diversion**	**Owner**	**County**	**POD Number**	**Well Tag**	**Code**	**Grant**	**Source**	**q64**	**q16**	**q4**	**Sec**	**Tws**	**Range**	**X**	**Y**	**Map**	**Distance**
C 04712	CUB	MON	0.000	HARVARD PETROLEUM COMPANY LLC	ED	C 04712 POD6	NA				SW	SW	SE	08	23S	31E	613146.6	3575740.1		643.0
C 04776	CUB	MON	0.000	DEVON ENERGY RESOURCES	ED	C 04776 POD1	NA				SW	SW	SW	09	23S	31E	613953.1	3575651.8		688.6
C 04712	CUB	MON	0.000	HARVARD PETROLEUM COMPANY LLC	ED	C 04712 POD5	NA				SE	SE	SW	09	23S	31E	614392.9	3575754.4		947.5
C 02774	CUB	MON	0.000	U.S. DEPT. OF ENERGY - WIPP	ED	C 02774					SW	NW	SW	04	23S	31E	613857.0	3577745.0 *		1,547.8
C 04200	CUB	EXP	0.000	JIMMY MILLS GST TRUST	ED	C 04200 POD3	NA					NE	NE	07	23S	31E	612130.3	3577147.3		1,710.3
					ED	C 04200 POD5	NA					SE	SE	06	23S	31E	612138.8	3577393.1		1,848.0
C 02492	CUB	COM	105.000	THE JIMMY MILLS GST TRUST	ED	C 02492				Shallow	SE	SE	SE	06	23S	31E	612056.0	3577320.0 *		1,869.1
C 02865	CUB	EXP	0.000	STACY MILLS	ED	C 02865					SE	SE	SE	06	23S	31E	612056.0	3577320.0 *		1,869.1
C 04200	CUB	EXP	0.000	JIMMY MILLS GST TRUST	ED	C 04200 POD2	NA					NE	NE	07	23S	31E	611893.1	3577123.1		1,902.7
					ED	C 04200 POD1	NA					NE	NE	07	23S	31E	611802.8	3577058.6		1,954.4
C 03668	C	STK	3.000	J T MILLS 2005 GST TRUST	ED	C 02492 POD2				Shallow	SW	NE	NE	07	23S	31E	611767.4	3576996.6		1,961.2
C 02664	CUB	MON	0.000	SANDIA NATIONAL LABORATORIES	ED	C 02664				Shallow	SW	SW	NE	05	23S	31E	613049.0	3578138.0 *		1,983.6
C 03389	C	STK	3.000	JIMMY MILLS 2005 GST TRUST	ED	C 03389					NW	NW	SW	17	23S	31E	612316.0	3574683.0		1,986.8
C 03394	C	PUB	0.000	JAMES HAMILTON CONSTRUCTION CO	ED	C 03389					NW	NW	SW	17	23S	31E	612316.0	3574683.0		1,986.8

Record Count: 14

Filters Applied:

UTM Filters (in meters):
Easting: 613570
Northing: 3576224
Radius: 002000

Sorted By: Distance

*** UTM location was derived from PLSS - see Help**

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 02774	SW	NW	SW	04	23S	31E	613857.0	3577745.0 *	

*** UTM location was derived from PLSS - see Help**

Driller License:		**Driller Company:**			
Driller Name:	SANDIA NATIONAL LABS/USGS				
Drill Start Date:		**Drill Finish Date:**	1976-12-31	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	4.50	**Depth Well:**	1660	**Depth Water:**	

5/13/25 7:06 AM MST **Point of Diversion Summary**

Water Right Summary

get image list

WR File Number:	C 02774	**Subbasin:**	CUB	**Cross Reference:**	
Primary Purpose:	MON MONITORING WELL				
Primary Status:	DCL Declaration				
Total Acres:	0.000	**Subfile:**		**Header:**	
Total Diversion:	0.000	**Cause/Case:**			
Owner:	U.S. DEPT. OF ENERGY - WIPP	**Owner Class:**	Owner		
Contact:	D.C. LYNN				

Documents on File

(acre-feet per annum)

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion	Consumptive
	195794	DCL	2000-11-06	DCL	PRC	C 02774	T	0.000	0.000	

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
C 02774			SW	NW	SW	04	23S	31E	613857.0	3577745.0 *		

*** UTM location was derived from PLSS - see Help**

Source

Acres	Diversion	CU	Use	Priority	Source	Description
0.000	0.000		MON		GW	

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 02492	SE	SE	SE	06	23S	31E	612056.0	3577320.0 *	

* UTM location was derived from PLSS - see Help

Driller License:		**Driller Company:**			
Driller Name:	UNKNOWN				
Drill Start Date:		**Drill Finish Date:**	2048-12-31	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	100
Casing Size:	6.00	**Depth Well:**	135	**Depth Water:**	85

Meter Information

Meter Number:	550	**Meter Make:**	MASTER METER
Meter Serial Number:	3368776	**Meter Multiplier:**	100.0000
Number of Dials:	6	**Meter Type:**	Diversion
Unit of Measure:	Gallons	**Reading Frequency:**	Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
1999-02-15	1999	122836.000	A	ms		0.000	
1999-11-17	1999	138743.000	A	ms		4.882	
2000-01-03	1999	154398.000	A	ms		4.804	
2000-04-05	2000	189789.000	A	RPT		10.861	
2000-07-04	2000	228535.000	A	mb		11.891	
2000-10-13	2000	266296.000	A	RPT		11.588	
2001-01-22	2000	295138.000	A	RPT		8.851	
2001-10-10	2001	307650.678	A	RPT		3.840	
2001-10-10	2001	31627.000	A	RPT		0.000	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2002-01-12	2002	37948.000	A	tg		1.940	
2003-01-10	2002	131852.000	A	RPT		28.818	
2003-04-10	2003	162922.000	A	ab		9.535	
2003-07-09	2003	192583.000	A	RPT		9.103	
2007-07-10	2007	644760.000	A	RPT		138.768	
2007-10-12	2007	676471.000	A	RPT		9.732	
2008-07-07	2008	718642.000	A	RPT		12.942	
2008-08-01	2008	0.000	A	RPT		0.000	
2008-10-10	2008	25191.000	A	RPT		7.731	
2008-12-31	2008	54476.000	A	RPT		8.987	
2009-07-08	2009	118830.000	A	RPT		19.750	
2010-07-07	2010	246822.000	A	RPT		39.279	
2010-07-27	2010	253644.000	A	RPT		2.094	
2010-07-27	2010	13826.000	A	RPT		0.000	
2010-10-12	2010	38174.000	A	RPT		7.472	
2010-12-31	2010	60370.000	A	RPT		6.812	
2011-01-05	2011	60370.000	A	RPT		0.000	
2011-04-01	2011	90751.000	A	RPT		9.324	
2011-07-01	2011	123508.000	A	RPT		10.053	
2011-10-02	2011	152261.000	A	RPT		8.824	
2012-01-16	2011	209359.000	A	RPT		17.523	
2012-04-10	2012	273286.000	A	RPT		19.618	
2013-01-10	2012	354860.000	A	RPT		25.034	
2013-01-12	2013	235897.000	A	RPT		0.000	
2013-04-01	2013	287079.000	A	RPT		15.707	
2013-07-10	2013	320335.000	A	RPT		10.206	
2013-09-30	2013	340673.000	A	RPT		6.242	
2014-12-31	2014	463375.000	A	RPT		37.656	
2015-03-31	2015	482191.000	A	RPT		5.774	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2015-07-01	2015	504065.000	A	RPT		6.713	
2015-10-01	2015	523612.000	A	RPT		5.999	
2016-01-06	2015	541558.000	A	RPT		5.507	
2016-04-01	2016	556397.000	A	RPT		4.554	
2016-06-30	2016	561120.000	A	RPT		1.449	
2016-10-01	2016	593337.000	A	RPT		9.887	
2016-12-31	2016	612355.000	A	RPT		5.836	

YTD Meter Amounts:

Year	Amount
1999	9.686
2000	43.191
2001	3.840
2002	30.758
2003	18.638
2007	148.500
2008	29.660
2009	19.750
2010	55.657
2011	45.724
2012	44.652
2013	32.155
2014	37.656
2015	23.993
2016	21.726

Water Right Summary

get image list

WR File Number:	C 02492	**Subbasin:**	CUB	**Cross Reference:**
Primary Purpose:	COM COMMERCIAL			
Primary Status:	PMT Permit			
Total Acres:	0.000	**Subfile:**		**Header:**
Total Diversion:	105.000	**Cause/Case:**		
Owner:	THE JIMMY MILLS GST TRUST	**Owner Class:**	Owner	
Contact:	STACY MILLS			

Documents on File

(acre-feet per annum)

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion	Consumptive
	422943	COWNF	2009-02-02	CHG	PRC	C 02492	T		0.000	
	305274	COWNF	2004-05-28	CHG	PRC	C 02492	T	0.000	0.000	
	211318	SUPPL	2001-06-20	APP	WDR	C 02492 S	T	0.000	0.000	
	195265	CLW	2000-11-02	APP	WDR	C 02492 INTO C-2638	T	0.000	25.000	
	169733	ADM	1999-11-18	PMT	MTR	C 02492	T	0.000	105.000	
	208675	DCL	1996-04-16	DCL	PRC	C 02492	T	0.000	105.000	

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
C 02492		Shallow	SE	SE	SE	06	23S	31E	612056.0	3577320.0 *		

*** UTM location was derived from PLSS - see Help**

Place of Use

Q256	Q64	Q16	Q4	Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
			SE	06	23S	31E		105.000		COM		DCL	

Source

Acres	Diversion	CU	Use	Priority	Source	Description
0.000	105.000		COM		GW	

U.S. Fish and Wildlife Service
National Wetlands Inventory

NPG 8 Fed #001, Wetland 5336 ft

July 30, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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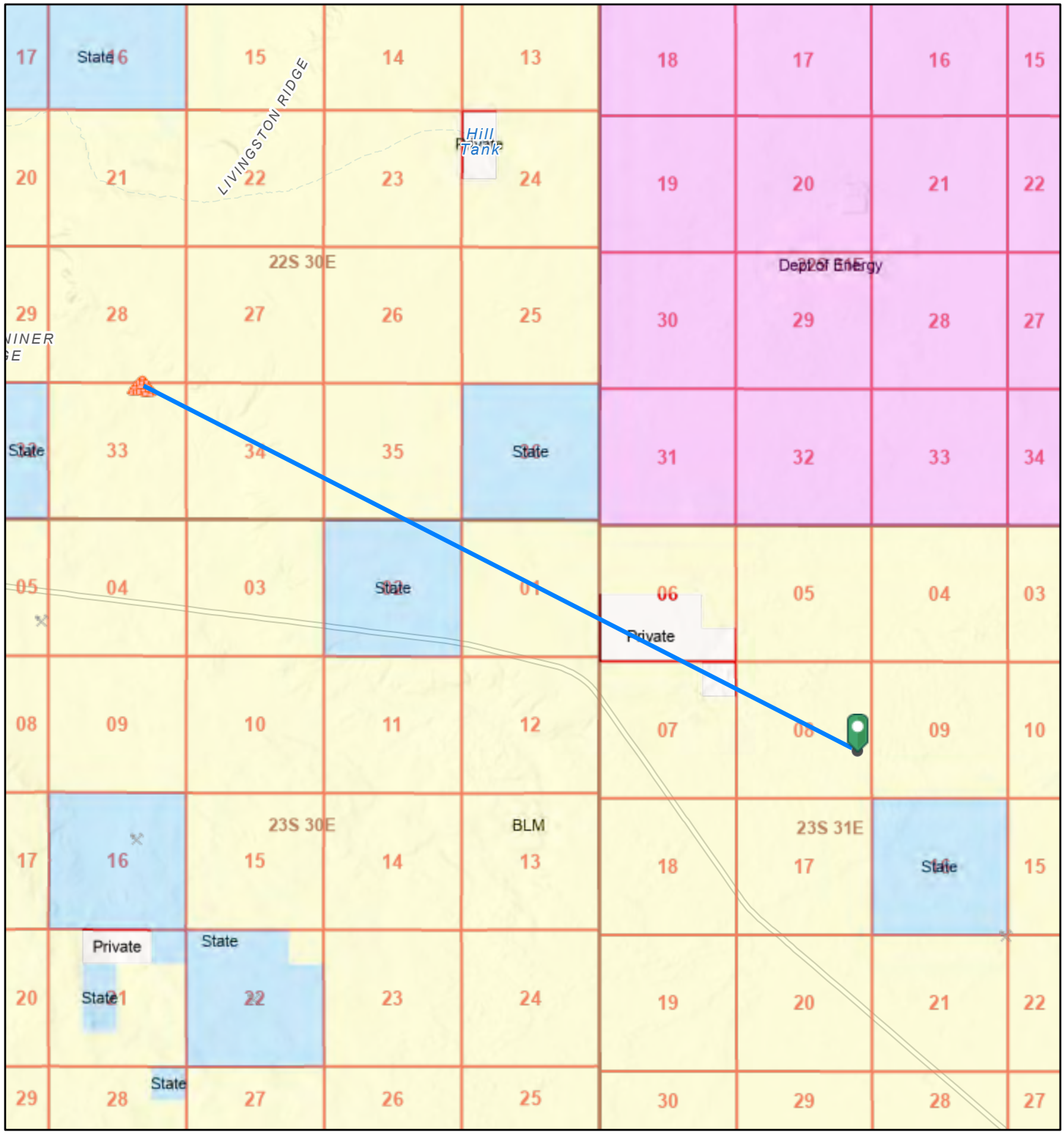
National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

North Pure Gold 8 Federal 1 - 31,125 feet to mine



1/21/2024, 4:03:16 PM

1:77,591

0 0.5 1 2 mi

0 0.75 1.5 3 km

Registered Mines

Aggregate, Stone etc.

Potash

Land Ownership

BLM

DOE

P

S

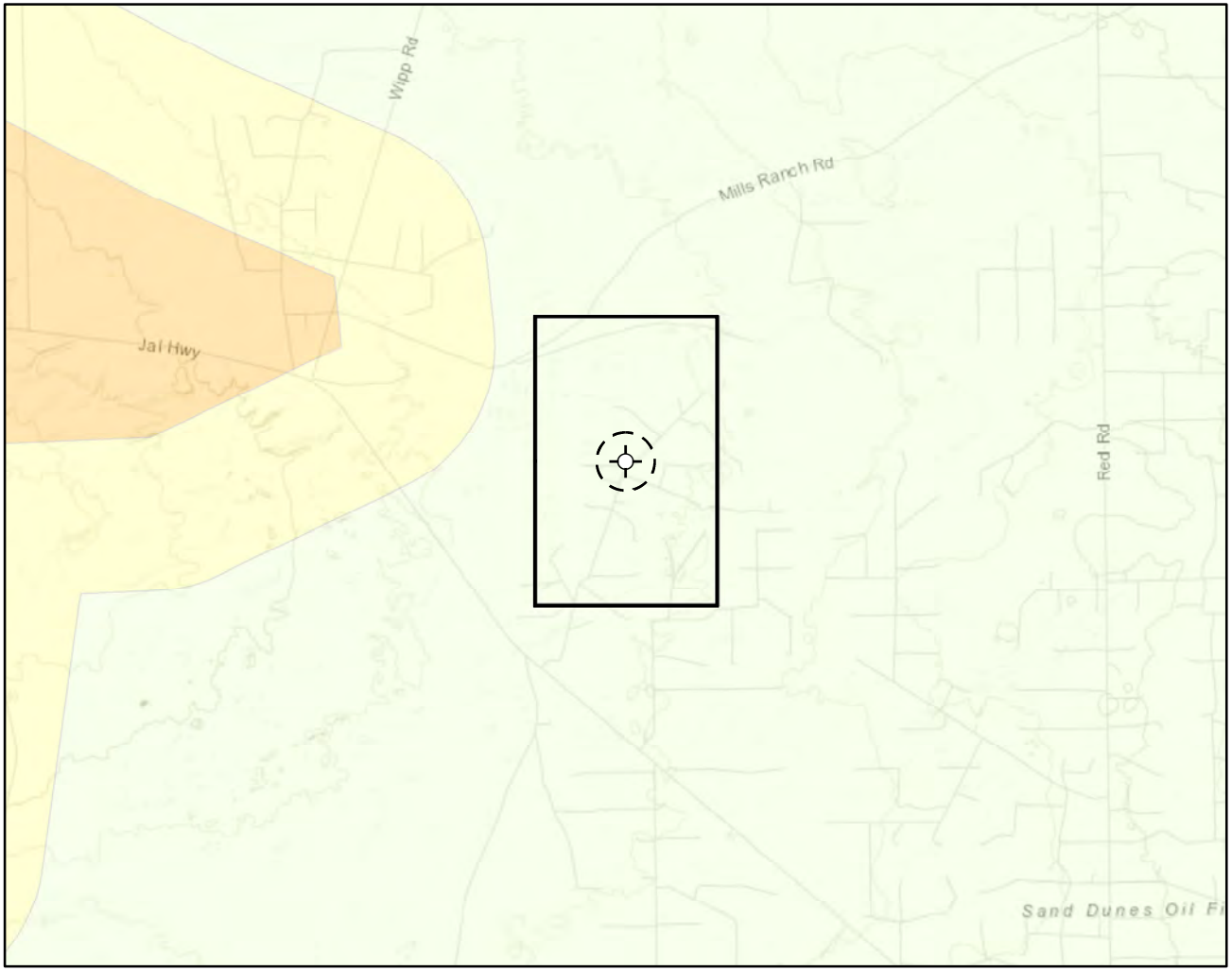
PLSS First Division

PLSS Townships

U.S. BLM, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS, Esri, NASA, NGA, USGS, FEMA, BLM

EMNRD MMD GIS Coordinator

New Mexico Energy, Minerals and Natural Resources Department (http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=1b5e577974664d689b47790897ca2795)



Overview Map

0 0.25 0.5 1 mi

Detail Map

0 300 600 1,200 1,800 2,400 3,000 ft.

Karst Potential

- Critical
- High
- Medium
- Low

- Site Location
- Site Buffer

VERTEX

Map Center:
Lat/Long: 32.317185, -103.793968

NAD 1983 UTM Zone 13N
Date: Aug 11/21

N

Karst Potential North Pure Gold 8 Federal #001

FIGURE: 1

devon

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Inset Map, Maxar 2020; Overview Map: ESRI World Topographic.

VERSATILITY. EXPERTISE.

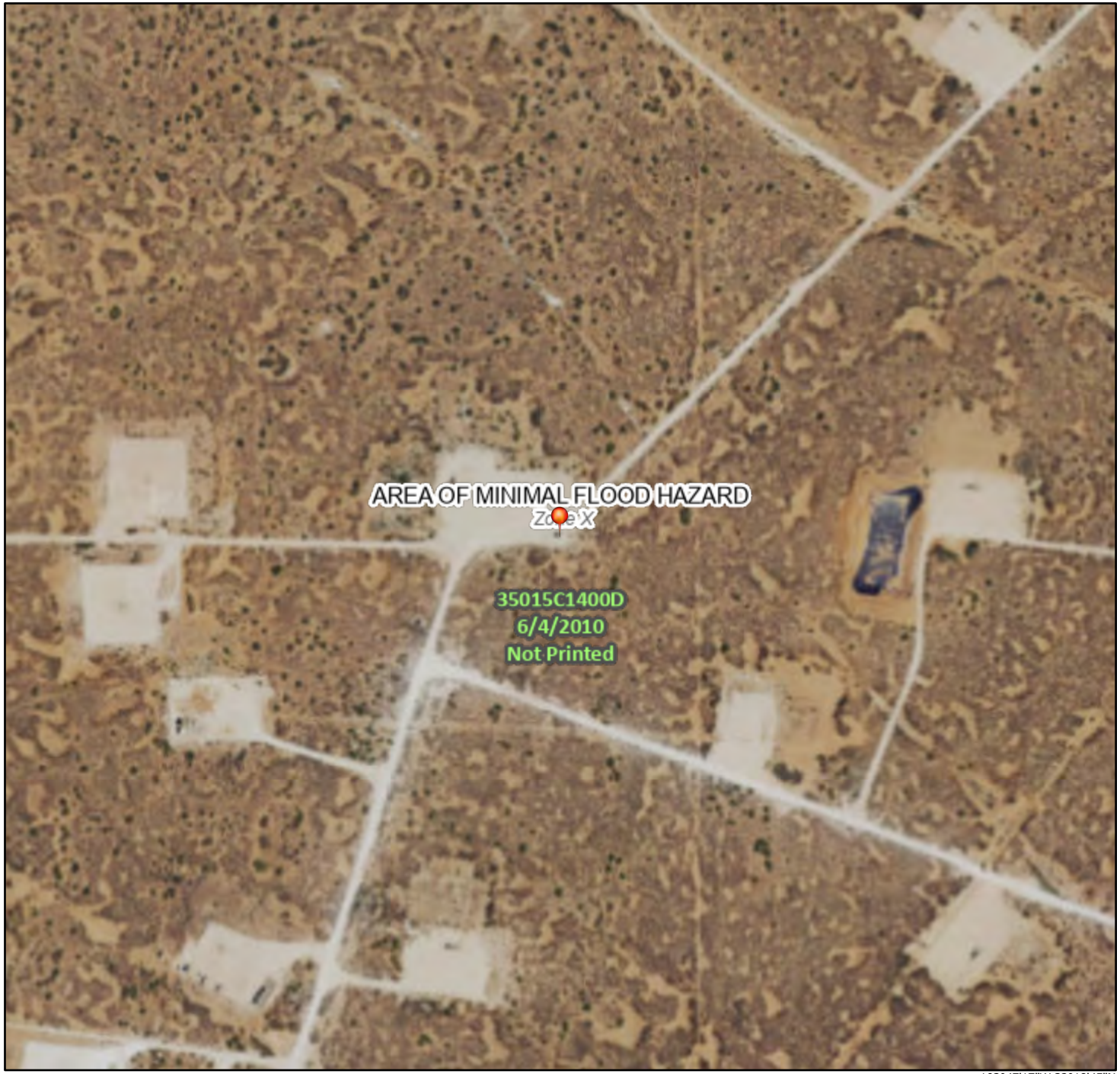
Document Path: \\vtx-s-fs01.corp.internal\shared\vps\04 - Geomatics\1-Projects_US PROJECTS\Devon Energy Corporation\21E-028160032 - North Pure Gold 8 Federal #001\North Pure Gold 8 Federal #001.mxd


North Pure Gold 8 Federal 1
10,900 feet from High Karst
Legend
High
North Pure Gold 8 Federal 1
Wipp Rd
797
La Nortenita
North Pure Gold 8 Federal 1
128
Google Earth
N
2 km

National Flood Hazard Layer FIRMette

FEMA

103°47'54"W 32°19'16"N



103°47'17"W 32°18'45"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

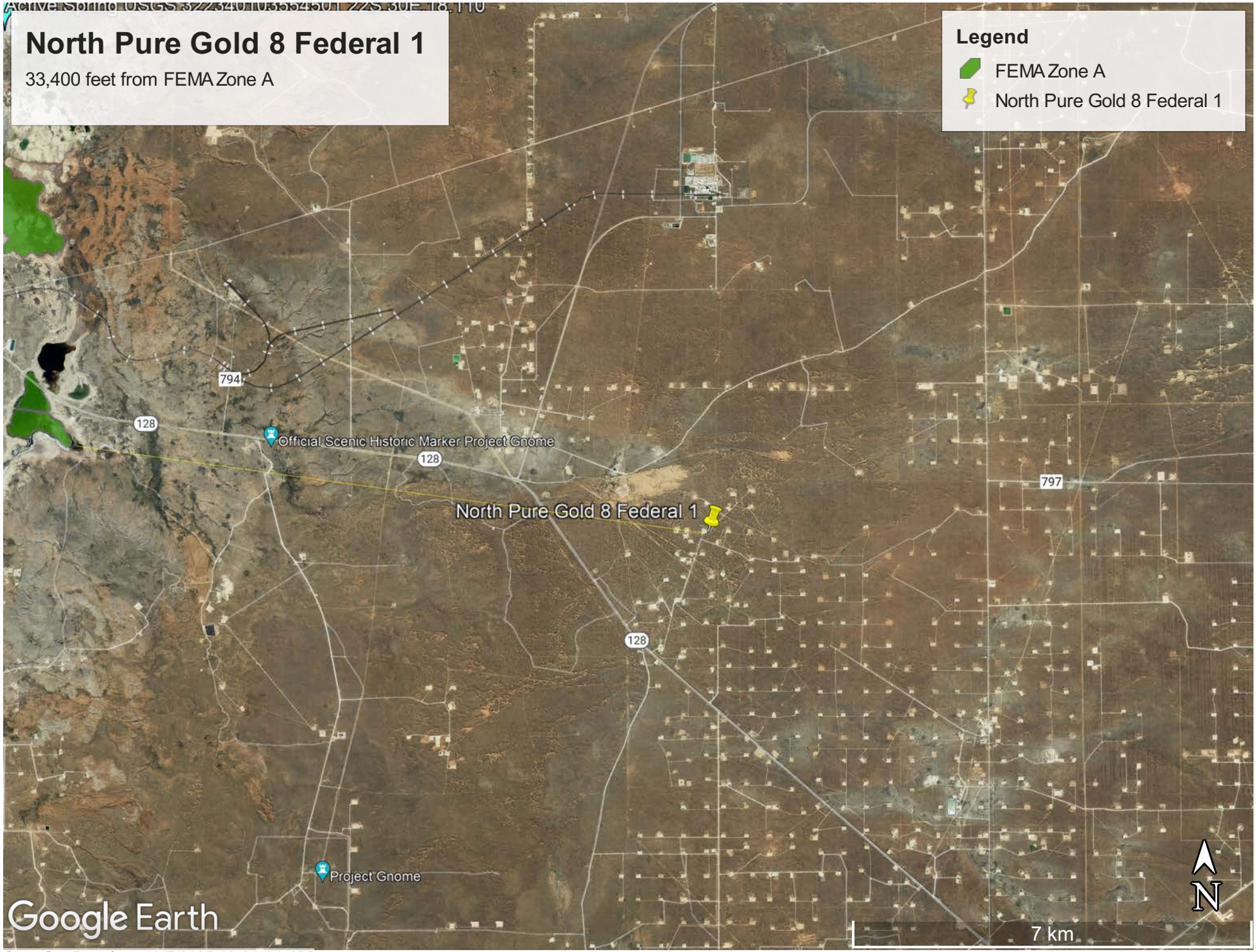
N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/30/2021 at 2:42 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.


North Pure Gold 8 Federal 1
33,400 feet from FEMA Zone A
Legend
FEMA Zone A
North Pure Gold 8 Federal 1
794
128
Official Scenic Historic Marker Project Gnome
128
North Pure Gold 8 Federal 1
797
128
Project Gnome
Google Earth
N
7 km

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Eddy Area, New Mexico

July 30, 2021

Custom Soil Resource Report
Soil Map

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 16, Jun 8, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q
Elevation: 3,100 to 4,200 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 190 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent
Berino and similar soils: 35 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Alluvial fans, plains
Landform position (three-dimensional): Rise, talf
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand
H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water capacity: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R042XC005NM - Deep Sand
Hydric soil rating: No

Description of Berino

Setting

Landform: Fan piedmonts, plains
Landform position (three-dimensional): Riser

Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 50 inches: fine sandy loam
H3 - 50 to 58 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water capacity: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent
Hydric soil rating: No

USDA Natural Resources Conservation Service

Ecological site R042XC005NM
Deep Sand

Accessed: 07/30/2021

General information

Provisional. A provisional ecological site description has undergone quality control and quality assurance review. It contains a working state and transition model and enough information to identify the ecological site.

Figure 1. Mapped extent

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site occurs on terraces, Piedmonts, dunes fields, or upland plains. Parent material consists of eolian deposits and alluvium derived from sandstone. Slopes range from 0 to 15 percent, usually less than 5 percent. Low, stabilized hummocks or dunes frequently occur. Elevations range from 2,842 to 4,500 feet.

Table 2. Representative physiographic features

Landforms	(1) Dune (2) Parna dune (3) Terrace
Flooding frequency	None
Ponding frequency	None
Elevation	2,842–4,500 ft

Slope	0–15%
Aspect	Aspect is not a significant factor

Climatic features

The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity – short duration thunderstorms.
Temperatures are characterized by distinct seasonal changes and large annual and diurnal temperature changes. The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer.
The average frost-free season is 207 to 220 days. The last killing frost is in late March or early April, and the first killing frost is in late October or early November.
Both temperature and moisture favor warm season perennial plant growth. During years of abundant winter and early spring moisture, cool season growth and annual forbs, make up an important component of this site. Strong winds blow from the west from January through June, which accelerates soil drying during a critical period for cool season plant growth.

Climate data was obtained from http://www.wrcc.sage.dri.edu/summary/climsmnm.html web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

Table 3. Representative climatic features

Frost-free period (average)	221 days
Freeze-free period (average)	240 days
Precipitation total (average)	13 in

Influencing water features

This site is not influenced from water from wetlands or streams.

Soil features

Soils are deep or very deep. Surface textures are sand loam, fine sand or loamy fine sand, Underlying material textures are loamy fine sand, fine sand, sand or fine sandy loam. Because of the coarse textures and rapid drying of the surface, the soil, if unprotected by plant cover and organic residue, becomes windblown and low hummocks or dunes are formed around shrubs.

Characteristic soils are:
Anthony
Aguena
Kermit
Likes
Pintura
Bluepoint

Table 4. Representative soil features

Surface texture	(1) Sand (2) Fine sand (3) Loamy fine sand
Family particle size	(1) Sandy
Drainage class	Well drained to excessively drained

Permeability class	Moderate to very rapid
Soil depth	60–72 in
Surface fragment cover <=3"	0–5%
Surface fragment cover >3"	0%
Available water capacity (0-40in)	3–5 in
Calcium carbonate equivalent (0-40in)	5–15%
Electrical conductivity (0-40in)	0–4 mmhos/cm
Sodium adsorption ratio (0-40in)	0–2
Soil reaction (1:1 water) (0-40in)	6.6–7.8
Subsurface fragment volume <=3" (Depth not specified)	5–10%
Subsurface fragment volume >3" (Depth not specified)	0%

Ecological dynamics

Overview

The Deep Sand site occurs adjacent to and/or intergraded with the Sandhills and Sandy sites (SD-3). The Deep Sand site can be distinguished by slopes less than eight percent (approximately five percent) and textural changes at depths greater than 40 inches. The Deep Sand site has well drained soils with a surface texture of sand or loamy fine sand. The Sandhills site has slopes greater than eight percent and textural depths greater than 60 inches. Conversely, the Sandy site has slopes less than five percent and depths to textural change commonly around 20 inches. The historic plant community of the Deep Sand site is dominated primarily by giant dropseed (*Sporobolus giganteus*) and other dropseeds (*S. flexuosus*, *S. contractus*, *S. cryptandrus*), with scattered shinnery oak (*Quercus havardii*) and soapweed yucca (*Yucca glauca*). Other herbaceous species include threeawns (Aristida spp.), bluestems (*Schizachyrium scoparium* and *Andropogon hallii*), and annual and perennial forbs distributed relative to precipitation occurrences. Bare ground and litter compose a significant proportion of ground cover while grasses are the remainder. Shinnery oak will increase with an associated decrease in dropseed and bluestem abundance possibly due to climatic change, fire suppression, interspecific competition, and excessive grazing. Continued grass cover loss may result in a transition to a shinnery oak dominated state with increases in sand sage (*Artemisia filifolia*) and honey mesquite (*Prosopis glandulosa*). However, brush management may restore the grassland component and reverse the shinnery oak state back toward the historic plant community.

State and transition model

Plant Communities and Transitional Pathways (diagram)

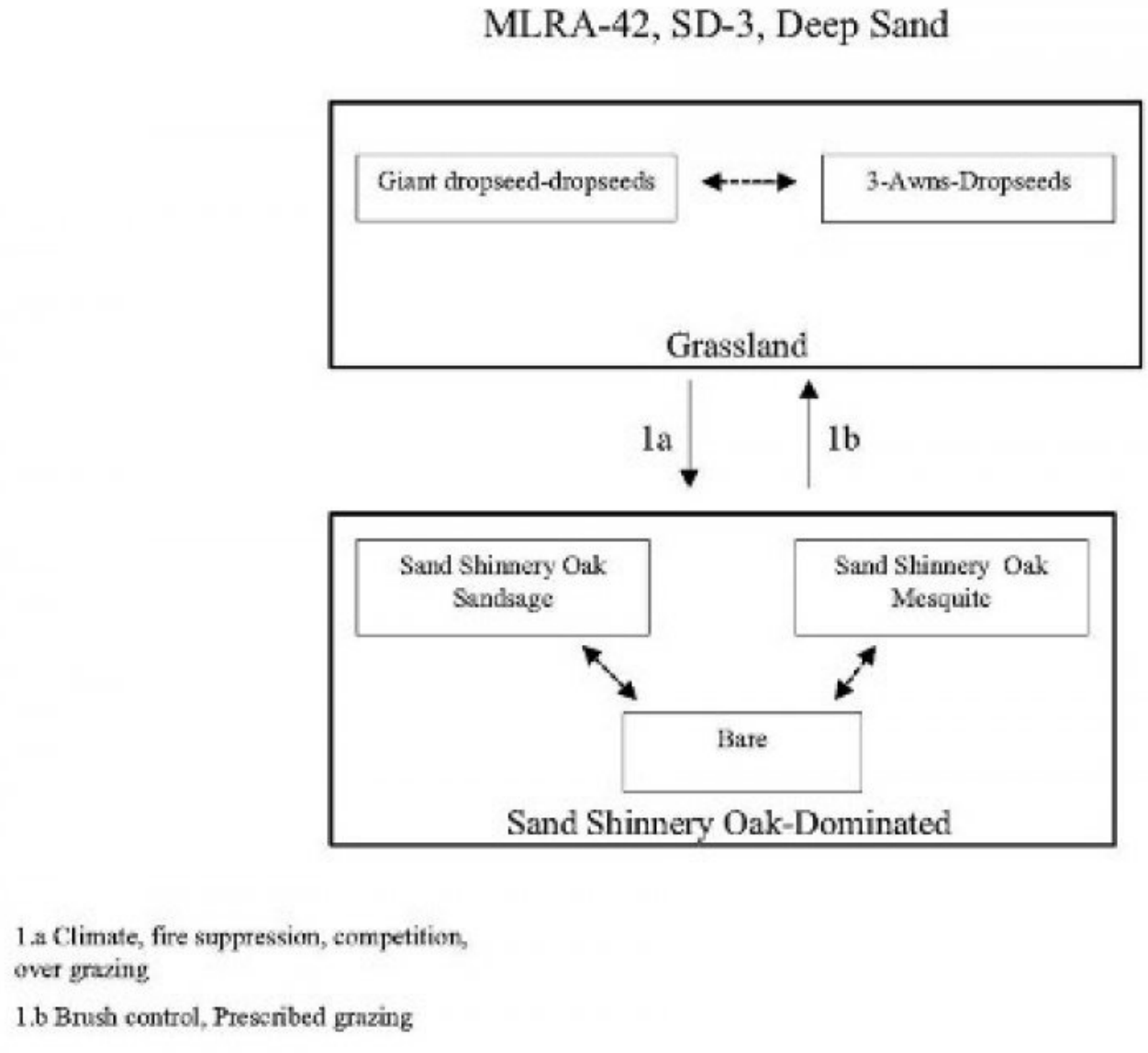


Figure 4.

State 1

Historic Climax Plant Community

Community 1.1
Historic Climax Plant Community

State Containing Historic Plant Community

Grassland: The historic plant community is dominated by giant dropseed, other dropseeds, threeawns, and bluestems. Dominant woody plants include shinnery oak and soapweed yucca. Forb abundance and distribution varies and is dependent on annual rainfall. The Deep Sand site typically exists in sandy plains and dunes (Sosebee 1983). Grass dominance stabilizes the potentially erosive sandy soils. Historical fire suppression, however, may have contributed to increased woody plant abundance, which has reduced grass species. Further, drought conditions compounded with excessive grazing likely has driven most grass species out of competition with shrubs which has resulted in a shinnery oak dominated state with sand sage and mesquite (Young et al. 1948).

Diagnosis: Grassland dominated by dropseeds, threeawns, and bluestems. Small shrubs, such as shinnery oak and soapweed yucca, and subshrubs are dispersed throughout the grassland.

Other grasses that could appear on this site would include: flatsedge, almejita signalgrass, big bluestem, Indiangrass, fall witchgrass, hairy grama and red lovegrass

Other shrubs include: fourwing saltbush, mesquite, ephedra and broom snakeweed.

Other forbs include: wooly and scarlet gaura, wooly dalea, phlox heliotrope, scorpionweed, deerstongue, fleabane, nama, hoffmanseggia, lemon beebalm and stickleaf.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	High (Lb/Acre)
Grass/Grasslike	396	858	1320
Shrub/Vine	108	234	360
Forb	96	208	320
Total	**600**	**1300**	**2000**

Table 6. Ground cover

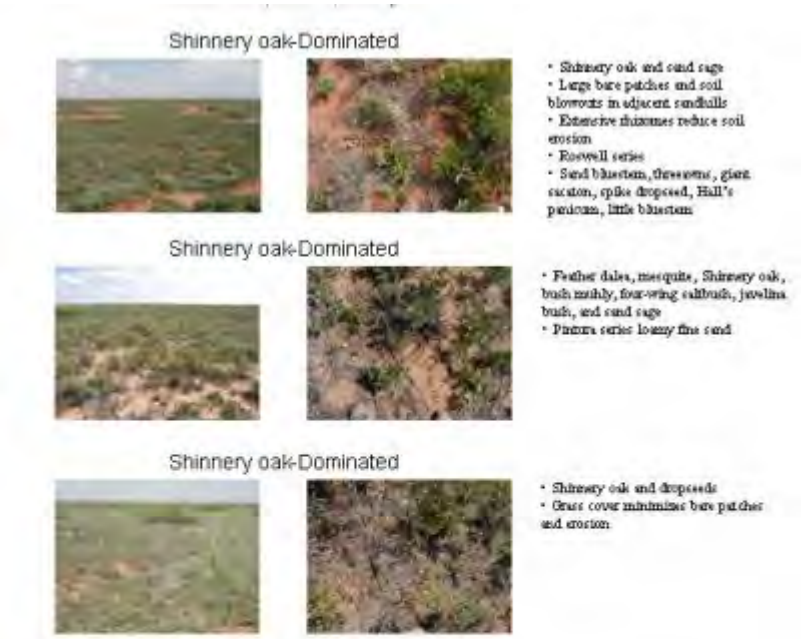
Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	15-20%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	35-40%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	35-40%

Figure 6. Plant community growth curve (percent production by month). NM2805, HCPC. SD-3 Deep Sand - Warm season plant community .

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	3	5	10	10	25	30	12	5	0	0

State 2
Shinnery Oak Dominated

Community 2.1
Shinnery Oak Dominated



Shinnery Oak Dominated: This state is dominated by shinnery oak with subdominants of sand sage or mesquite. Bare ground is a significant component in this state as well. shinnery oak is characterized by dense stands in sandy soils; however, as clay percentage increases, shinnery oak decreases. Shinnery oak abundance and distribution increase with disturbances, such as excessive grazing and fire, due to an aggressive rhizome system. As shinnery oak abundance increases, an associated increase of mesquite, sand sage, and soapweed yucca also occurs. Shinnery oak's extensive root system allows the oak to competitively exclude grasses and forbs. Sand sage, however, stabilizes light sandy soils from wind erosion and can co-exist with herbaceous species by protecting them in heavily grazed conditions (Davis and Bonham 1979). Shinnery oak has been found primarily in very deep, excessively drained, and rapidly permeable soils. Shinnery oak is associated with landforms which are gently undulating to rolling uplands, very gently sloping to moderately steep slopes, and upland plains, alluvial fans and valley sideslopes. Shinnery oak and sand sage can be controlled with herbicide if applied in the spring with a subsequent rest from grazing (Herbel et al. 1979, Pettit 1986). In addition, repetitive seasons of goat browsing can also reduce shinnery oak abundance. Patches should be maintained during brush control, however, to prevent erosion and to provide wildlife cover and forage. Further, as shinnery oak and other shrubs increase, bare patches and erosion will increase due to a lack of herbaceous ground cover.

Diagnosis: Shinnery oak dominated with subdominant sand sage, honey mesquite, and soapweed yucca with increasing frequency and size of bare patches.

Transition to Shinnery oak dominated state (1a): The historic plant community begins to shift toward the shinnery oak dominated state as drivers such as climate change, fire suppression, interspecific competition, and excessive grazing contribute to alterations in soil properties and herbaceous cover. Cover loss and surface soil erosion are initial indicators of transition followed by an increase of shrub species abundance and bare patch expansion.

Key indicators of approach to transition:
• Loss of grass and forb cover
• Surface soil erosion
• Bare patch expansion
• Increased shrub species abundance and composition

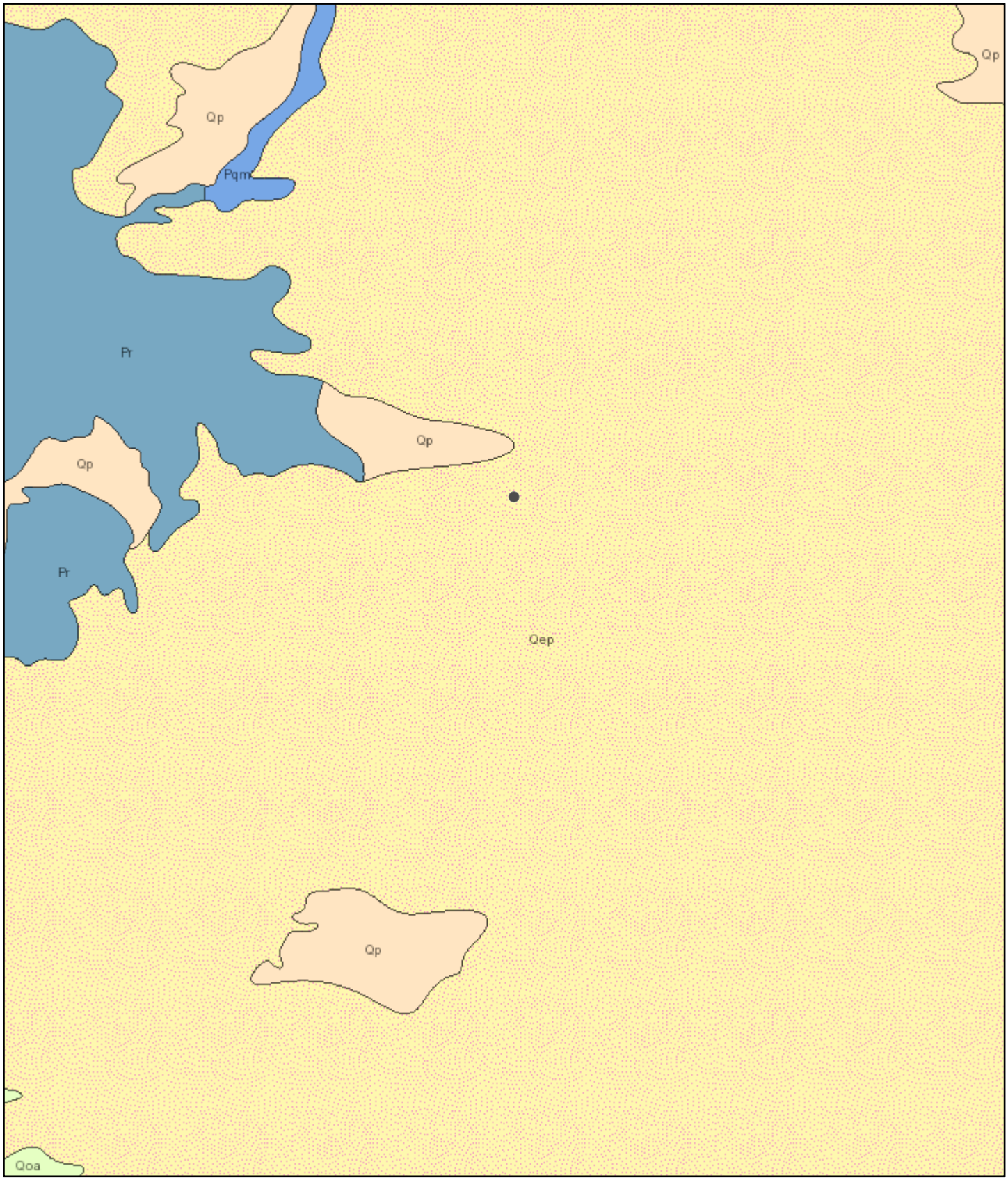
Transition to Historic Plant Community (1b): The shinnery oak dominated state may transition back toward the historic plant community as new drivers are introduced such as prescribed grazing, brush control, and discontinued drought conditions.

Additional community tables

Table 7. Community 1.1 plant community composition

Group	Common Name	Symbol	Scientific Name	Annual Production (Lb/Acre)	Foliar Cover (%)
Grass/Grasslike					
1	**Warm Season**			450–585	
	spike dropseed	SPCO4	*Sporobolus contractus*	450–585	–
	sand dropseed	SPCR	*Sporobolus cryptandrus*	450–585	–
	mesa dropseed	SPFL2	*Sporobolus flexuosus*	450–585	–
	giant dropseed	SPGI	*Sporobolus giganteus*	450–585	–
2	**Warm Season**			65–104	
	sand bluestem	ANHA	*Andropogon hallii*	65–104	–
	little bluestem	SCSC	*Schizachyrium scoparium*	65–104	–
3	**Warm Season**			39–91	
	threeawn	ARIST	*Aristida*	39–91	–
4	**Warm Season**			13–39	
	thin paspalum	PASE5	*Paspalum setaceum*	13–39	–
5	**Warm Season**			13–39	
	black grama	BOER4	*Bouteloua eriopoda*	13–39	–
6	**Warm Season**			13–39	
	mat sandbur	CELO3	*Cenchrus longispinus*	13–39	–
7	**Warm Season**			13–39	
	Havard's panicgrass	PAHA2	*Panicum havardii*	13–39	–
8	**Warm Season**			13–65	
	plains bristlegrass	SEVU2	*Setaria vulpiseta*	13–65	–
9	**Other Annual Grasses**			13–65	
	Grass, annual	2GA	*Grass, annual*	13–65	–
Shrub/Vine					
10	**Shrub**			65–130	
	Havard oak	QUHA3	*Quercus havardii*	65–130	–
11	**Shrub**			13–39	

ArcGIS Web Map



7/30/2021, 1:54:06 PM

1:144,448

0 1 2 4 mi

0 1.5 3 6 km

Lithologic Contacts

- Contact, Exposed
- Contact, Gradational
- Nomenclature change
- Map Boundary

Faults

- Fault, Exposed
- Fault, Intermittent
- Fault, Concealed
- Shere Zone

Dikes

- <all other values>
- Dike
- Dike intruding fault
- Volcanic Vents

NMBGMR, USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data;

ArcGIS Web AppBuilder

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National

APPENDIX C – Talon/LPE Remediation and Closure Report

talonlpe.com • 866.742.0742

TALON LPE

Remediation and Closure Report

North Pure Gold 8 Fed #001
API# 30-015-26296
Eddy County, NM
NRM2005656589

Prepared For:

Devon Energy Corporation
6488 Seven Rivers Highway
Artesia, NM 88210

Prepared By:

TALON/LPE
408 W. Texas Avenue
Artesia, New Mexico 88210

May 18, 2020

Mr. Jim Amos
BLM Carlsbad Field Office
620 East Greene Street
Carlsbad, NM 88220

Mr. Mike Bratcher
NMOCD District 2
811 S. 1st Street
Artesia, NM 88210

Subject: **Remediation and Closure Report**
North Pure Gold 8 Fed #001
API# 30-015-26296
Eddy County, NM

Dear Mr. Amos & Mr. Bratcher,

Devon Energy Corporation (Devon) has contracted Talon/LPE (Talon) to perform soil assessment and a remediation work plan for the above-referenced location. The results of our soil assessment and proposed remediation activities are contained herein.

Site Information

The North Pure Gold 8 Fed #1 is located approximately twenty-seven (27) miles southeast of Carlsbad, New Mexico. The legal location for this release is Unit Letter I, Section 8, Township 23 South, and Range 31 East in Eddy County, New Mexico. More specifically, the latitude and longitude for the release are 32.317100 North and -103.793500 West. A site map is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Maljamar and Palomas fine sands with 0 to 3 percent slopes. See Appendix II for the referenced soil survey. Per the New Mexico Bureau of Geology and Mineral Resources (USGS), the local surface and shallow geology is Holocene to middle Pleistocene in age and is comprised of eolian sands and piedmont alluvial deposits. Drainage courses in this area are well-drained.

Ground Water and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 85-feet below ground surface (BGS). According to the USGS, the closest recorded depth to groundwater is greater than 100-feet BGS. The Trend map references groundwater depth to be 100-feet BGS. See Appendix II for the referenced groundwater depth data. This site is located within a low potential Karst area.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to the groundwater in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

Approximate Depth to Groundwater	**85 Feet/BGS**
☐Yes ☒No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
☐Yes ☒No	Within 200 feet of any lakebed, sinkhole or playa lake
☐Yes ☒No	Within 300 feet from an occupied permanent residence, school, hospital, institution or church
☐Yes ☒No	Within 500 feet of a spring or a private, domestic freshwater well used by less than five households for domestic or stock watering purposes
☐Yes ☒No	Within 1000 feet of any freshwater well or spring
☐Yes ☒No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
☐Yes ☒No	Within 300 feet of a wetland
☐Yes ☒No	Within the area overlying a subsurface mine
☐Yes ☒No	Within an unstable area
☐Yes ☒No	Within a 100-year floodplain

Because the release did not occur in any of these areas and the depth to groundwater is between 51-100-feet, based upon the site characterization for this project, the cleanup criteria are as follows:

Table I Closure Criteria for Soils Impacted by a Release			
Depth below horizontal extents of release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
51-100 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description

On February 19, 2020, the fiberglass tank developed a hole resulting in a release of fluids inside the unlined earthen containment. An estimated 40 barrels (bbls) of produced water and 5.2 bbls of oil were released, 0 bbls were recovered. All fluids were contained within the earthen bermed containment.

Talon mobilized personnel and equipment to the site to begin assessment and remediation activities. Following site assessment activities, the impacted area was excavated utilizing a backhoe. Sample locations are shown on the attached site map, the results of our sampling event are presented in the following data tables.

Soil Sampling

3-3-20 Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO combined = 1000 mg/kg			2500 mg/kg	10,000 mg/kg
S-1	3/3/2020	0-1'	ND	ND	ND	ND	ND	ND	112
S-2		0-1'	ND	ND	ND	62.9	ND	62.9	112
S-3		0-1'	ND	ND	ND	ND	ND	ND	64
S-4		0-1'	ND	ND	ND	ND	ND	ND	16
		1-2'	ND	ND	ND	ND	ND	ND	ND
S-5		0-1'	15.2	ND	258	2250	ND	2508	80
		1-2'	6.99	ND	202	1220	ND	1422	32
S-6		0-1'	ND	ND	ND	ND	ND	ND	32
		1-2'	ND	ND	ND	ND	ND	ND	32
S-7		0-1'	21.6	0.095	**2050**	**11800**	ND	**13850**	96
		1-2'	**94.9**	ND	**4220**	**16900**	ND	**21120**	32
		2-3'	**90.4**	ND	**4640**	**18000**	ND	**22640**	32
		3-4'	**86.3**	ND	**5160**	**18900**	ND	**24060**	32
S-8		0-1'	**114**	ND	**3670**	**12600**	ND	**16270**	64
		1-2'	**119**	ND	**4280**	**12300**	ND	**16580**	48
		2-3'	**117**	ND	**3870**	**11200**	ND	**15070**	32
		3-4'	**109**	ND	**3890**	**11300**	ND	**15190**	32

ND-Analyte Not Detected

Following the initial excavation, confirmation bottom and sidewall samples we obtained. Based on the results, we continued the excavation vertically and horizontally to the extent practicable to not compromise the integrity of the infrastructure.

3-30-20 Laboratory Results

Sample ID	Sample Date	Depth (BGS)	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			DRO + GRO combined = 1000 mg/kg			2500 mg/kg
S-7 S. Sidewall Composite	3/30/2020	4	ND	430	ND	430
S-7 N. Sidewall Composite		4	**240**	**4700**	ND	**4940**
S-7 E. Sidewall Composite		4	ND	480	ND	480
S-8 N. Sidewall Composite		4	**570**	**1200**	ND	1770
S-8 E. Sidewall Composite		4	**280**	**4400**	ND	**4680**
S-8 W. Sidewall Composite		4	**1100**	**11000**	ND	**12100**
S-8		6	**2900**	**15000**	ND	**17900**
S-8		8	**1300**	**13000**	ND	**14300**
S-8		10-R	**1800**	**14000**	ND	**15800**
S-7		6	20	51	ND	71

ND- Analyte Not Detected

After the additional excavating, we took additional confirmation samples. The results are as follows:

4-6-20 Laboratory Results

Sample ID	Sample Date	Depth (BGS)	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			DRO + GRO combined = 1000 mg/kg			2500 mg/kg
S-8 E. Sidewall Composite	4/6/2020	4	ND	17	ND	17
S-7 E. Sidewall Composite		4	ND	ND	ND	ND
S-7 S. Sidewall Composite		4	ND	ND	ND	ND

ND- Analyte Not Detected

On April 16, 2020, Talon mobilized an air-rotary drill rig to drill a borehole to determine the vertical extent of the contamination. The results of this event are as follows:

4-16-20 Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO combined = 1000 mg/kg			2500 mg/kg
S-8	4/16/2020	12	--	--	ND	362	ND	362

ND- Analyte Not Detected

Remedial Actions

- The impacted areas of S-7 and S-8 were excavated to a depth of 4.0-feet below ground surface (BGS), the maximum extent practicable not to compromise the structural integrity of the surrounding tank and infrastructure.
- The sidewall samples of S-7 North and S-8 West could not be advanced any further due to the presence of the infrastructure. S-8 North could not be extended because of the stairs going to the catwalk. These areas will be addressed at the time of closure of the facility.
- The impacted area is vertically delineated.
- All of the excavated material was disposed of at Lea Land, LLC, a NMOCD approved solid waste disposal facility.
- The backfilling activities were completed with newly obtained caliche, compacted and contoured to match the surrounding location.
- The Final C-141's are appended hereto in Appendix III.

Deferral Closure

On behalf of Devon Energy, we respectfully request that no further actions be required at this time and that a remediation deferral until facility closure with regard to this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768.

Respectfully submitted,

TALON/LPE

Chris Jones
Project Manager

David J Adkins
District Manager

Attachments:
Appendix I Site Map, Karst Map, TOPO Map & Locator Map
Appendix II Groundwater Data, Soil Survey & FEMA Flood Zone
Appendix III Initial & Final C-141
Appendix IV Photographic Documentation
Appendix V Laboratory Data

APPENDIX I

SITE MAP

KARST MAP

TOPO MAP

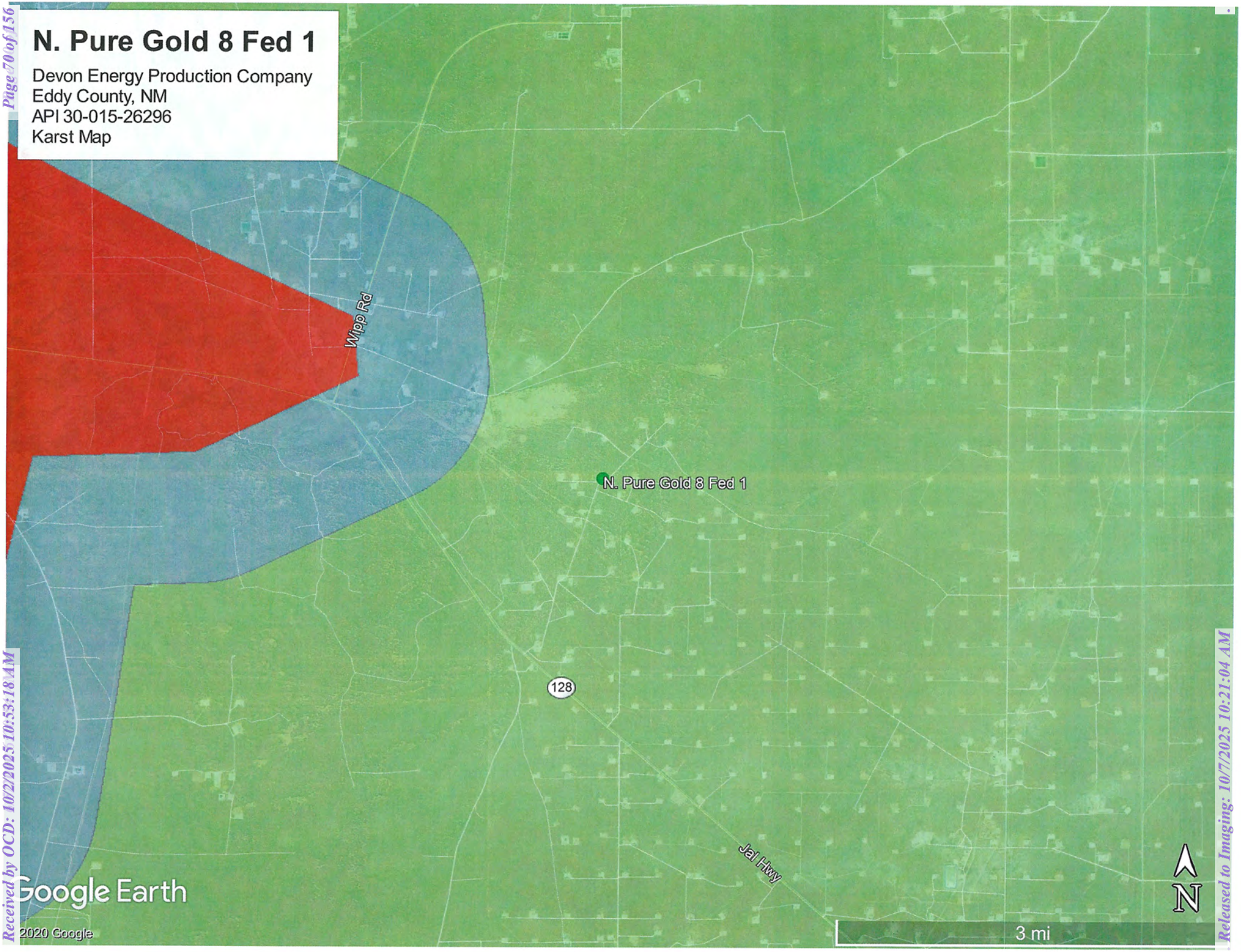
LOCATION MAP

North Pure Gold 8 Fed #001

Devon Energy Production Company
Eddy County, NM
API 30-015-26296
Site Map

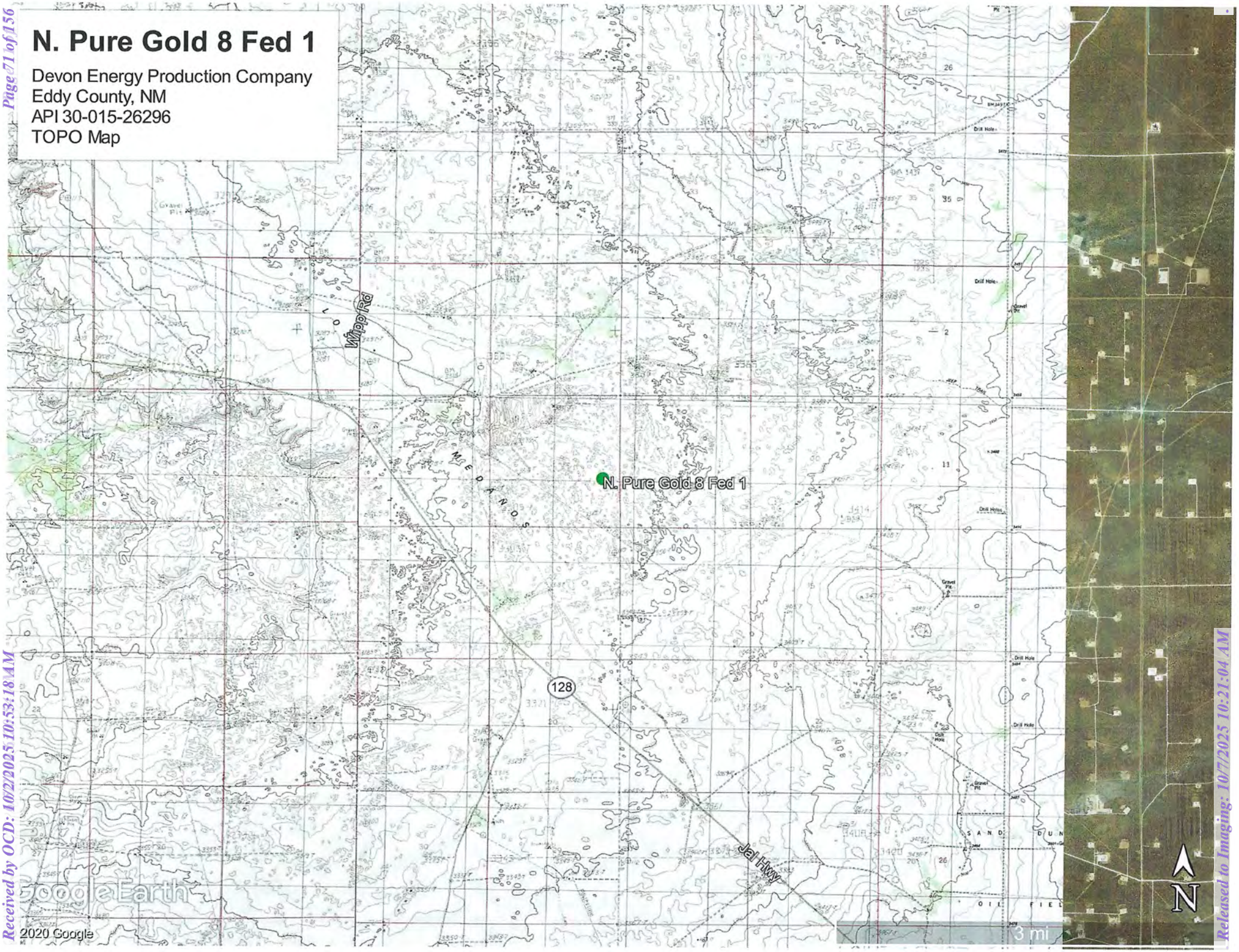
N. Pure Gold 8 Fed 1

Devon Energy Production Company
Eddy County, NM
API 30-015-26296
Karst Map



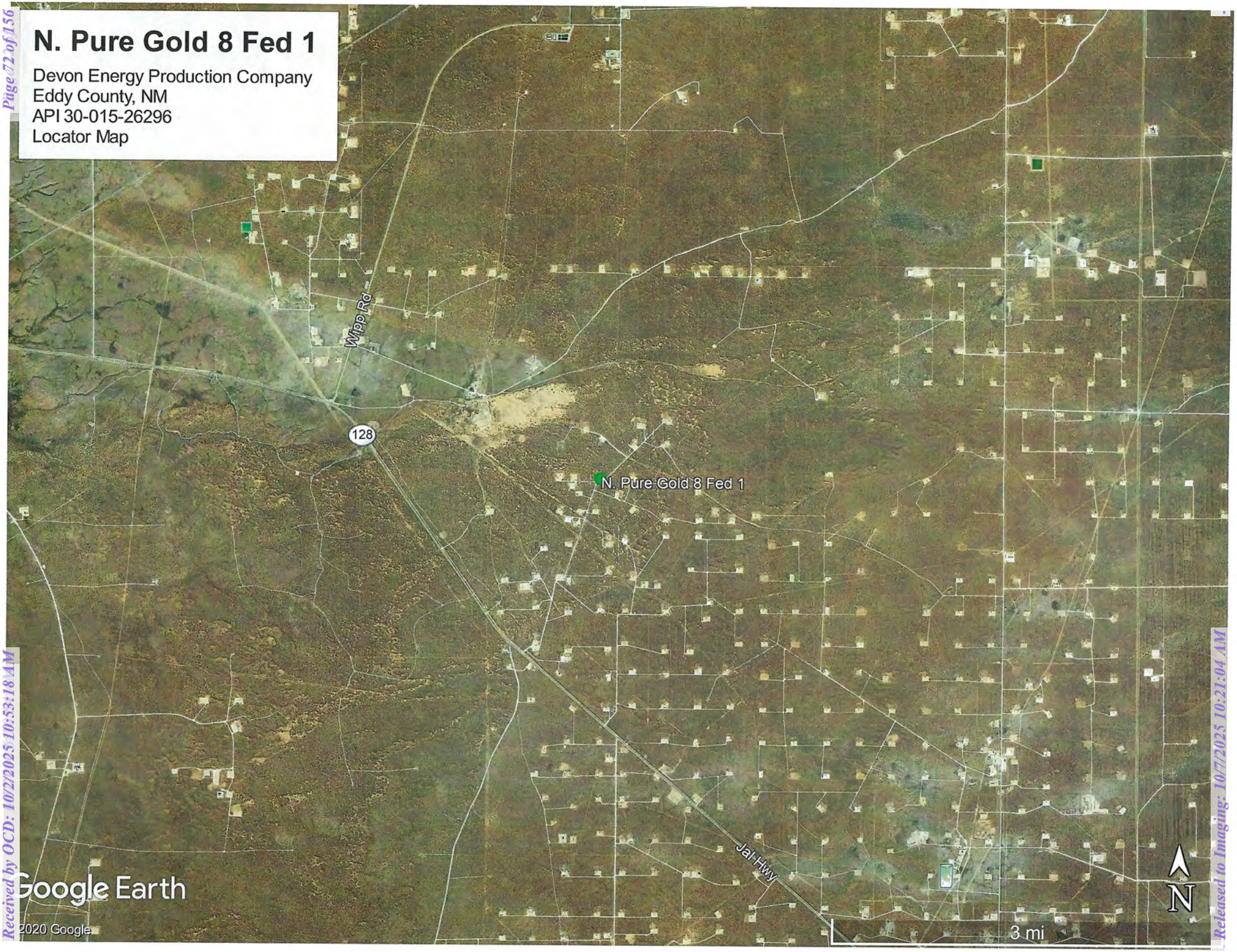
N. Pure Gold 8 Fed 1

Devon Energy Production Company
Eddy County, NM
API 30-015-26296
TOPO Map



N. Pure Gold 8 Fed 1

Devon Energy Production Company
Eddy County, NM
API 30-015-26296
Locator Map



APPENDIX II

GROUNDWATER DATA

SOIL SURVEY

FEMA FLOOD ZONE

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02774		CUB	ED	3	1	3	04	23S	31E	613857	3577745*	1548	1660		
C 02492		CUB	ED	4	4	4	06	23S	31E	612056	3577320*	1870	135	85	50
C 02865		CUB	ED	4	4	4	06	23S	31E	612056	3577320*	1870	174		
C 02492 POD2		C	ED	3	2	2	07	23S	31E	611767	3576996	1962	400	125	275
C 02664		CUB	ED	3	3	2	05	23S	31E	613049	3578138*	1984	4291	354	3937
C 03351		C	ED	4	1	4	04	23S	31E	614917	3577861	2119	320	168	152
C 03140		CUB	ED	4	2	4	04	23S	31E	615266	3577758*	2286	684		
C 02773		CUB	ED	4	1	3	03	23S	31E	615668	3577762*	2600	880		
C 02776		CUB	ED	2	1	1	05	23S	31E	612440	3578731*	2750	661		
C 02725		CUB	ED	1	1	1	05	23S	31E	612240	3578731*	2838	532		
C 02775		CUB	ED	1	1	1	05	23S	31E	612240	3578731*	2838	529		
C 03520 POD1		C	ED	3	1	1	07	23S	31E	610733	3576905	2919	500		

Average Depth to Water: **183 feet**

Minimum Depth: **85 feet**

Maximum Depth: **354 feet**

Record Count: 12

UTMNAD83 Radius Search (in meters):

Easting (X): 613570.942 **Northing (Y):** 3576223.443 **Radius:** 3000

***UTM location was derived from PLSS - see Help**

3/2/20 11:48 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

National Water Information System: Mapper

Sites | Map

Search

Surface-Water Sites

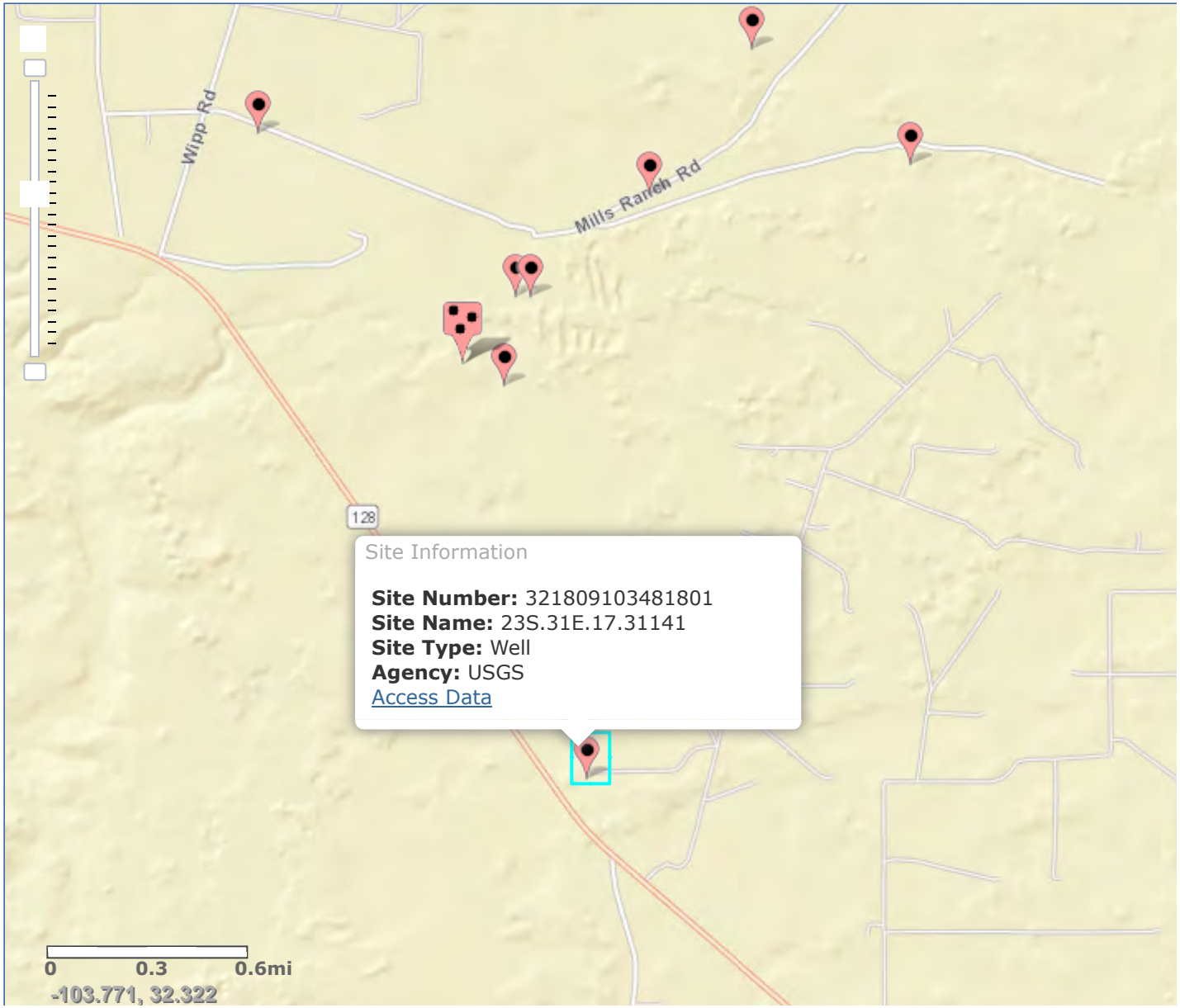
Groundwater Sites

Active Sites
Any data
Instantaneous data
Daily data
Water-quality data
Measurements
Annual Report

Inactive Sites
Any data
Instantaneous data
Daily data
Water-quality data
Measurements
Annual Report

Springs

Atmospheric Sites



National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- **Notice** - The USGS Water Resources Mission Area's priority is to maintain the safety and well-being of our communities, including providing critical situational awareness in times of flooding in all 50 U.S. states and additional territories. Our hydrologic monitoring stations continue to send data in near real-time to NWISWeb, and we are continuing critical water monitoring activities to protect life and property on a case-by-case basis. The health and safety of the public and our employees are our highest priorities, and we continue to follow guidance from the White House, the CDC, and state and local authorities.

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

- 321809103481801

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

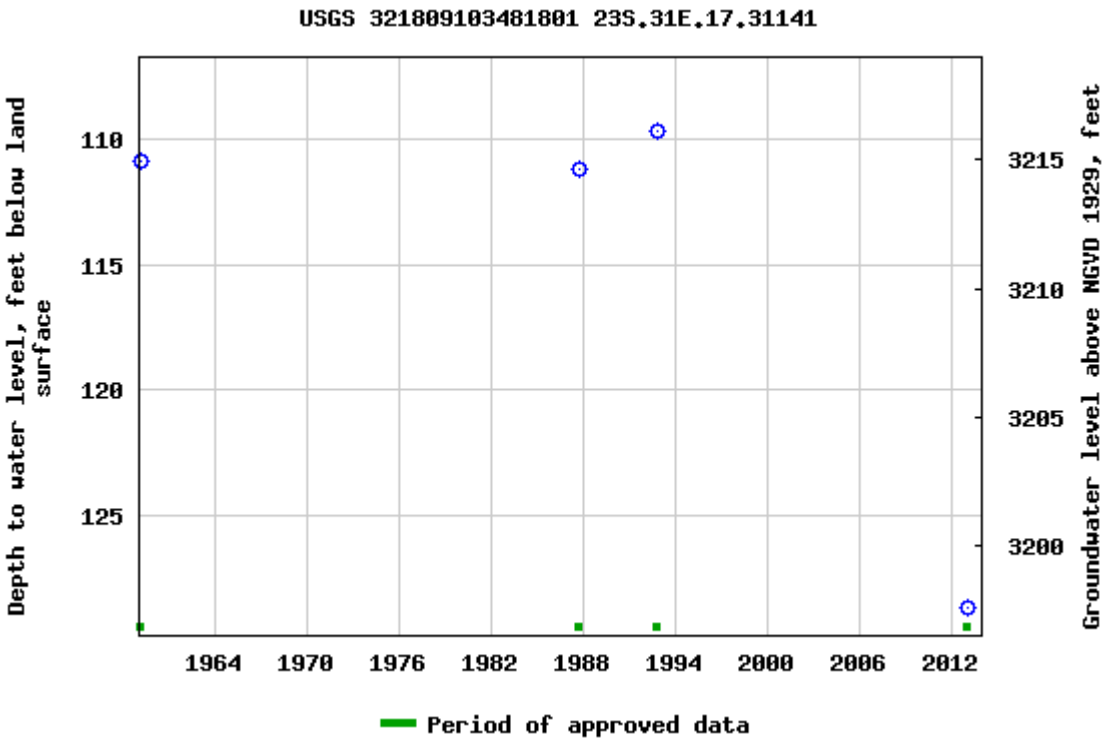
USGS 321809103481801 23S.31E.17.31141

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°18'11.3", Longitude 103°48'23.4" NAD83
Land-surface elevation 3,326.00 feet above NGVD29
The depth of the well is 354 feet below land surface.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

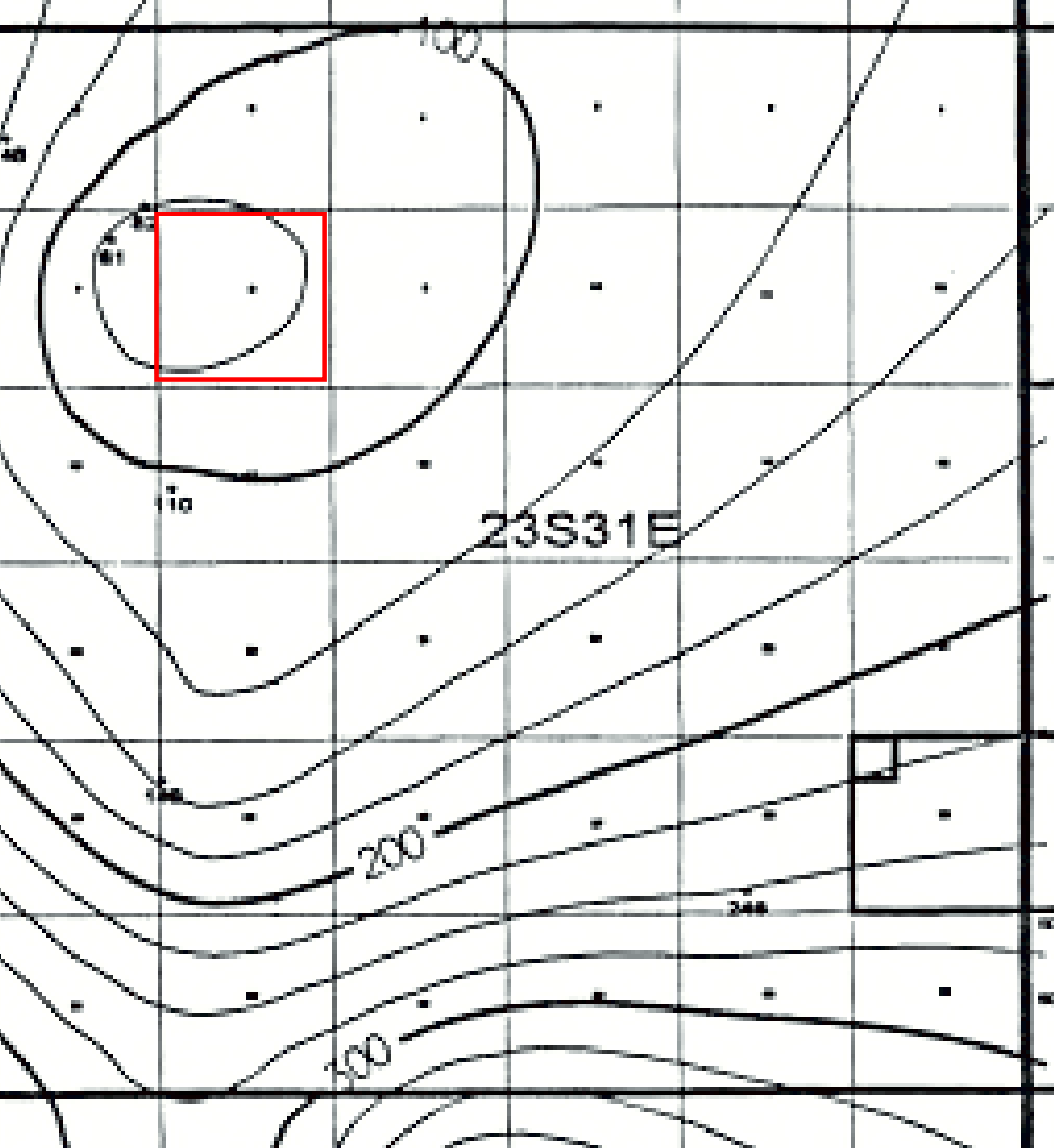


Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2020-05-18 13:23:01 EDT
0.76 0.6 nadww01


23S31E
200
400

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q
Elevation: 3,100 to 4,200 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 190 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent
Berino and similar soils: 35 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand
H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Excessively drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Salinity, maximum in profile: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: Deep Sand (R042XC005NM)
Hydric soil rating: No

Description of Berino

Setting

Landform: Fan piedmonts, plains
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 50 inches: fine sandy loam
H3 - 50 to 58 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 40 percent
Salinity, maximum in profile: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Minor Components

Active dune land

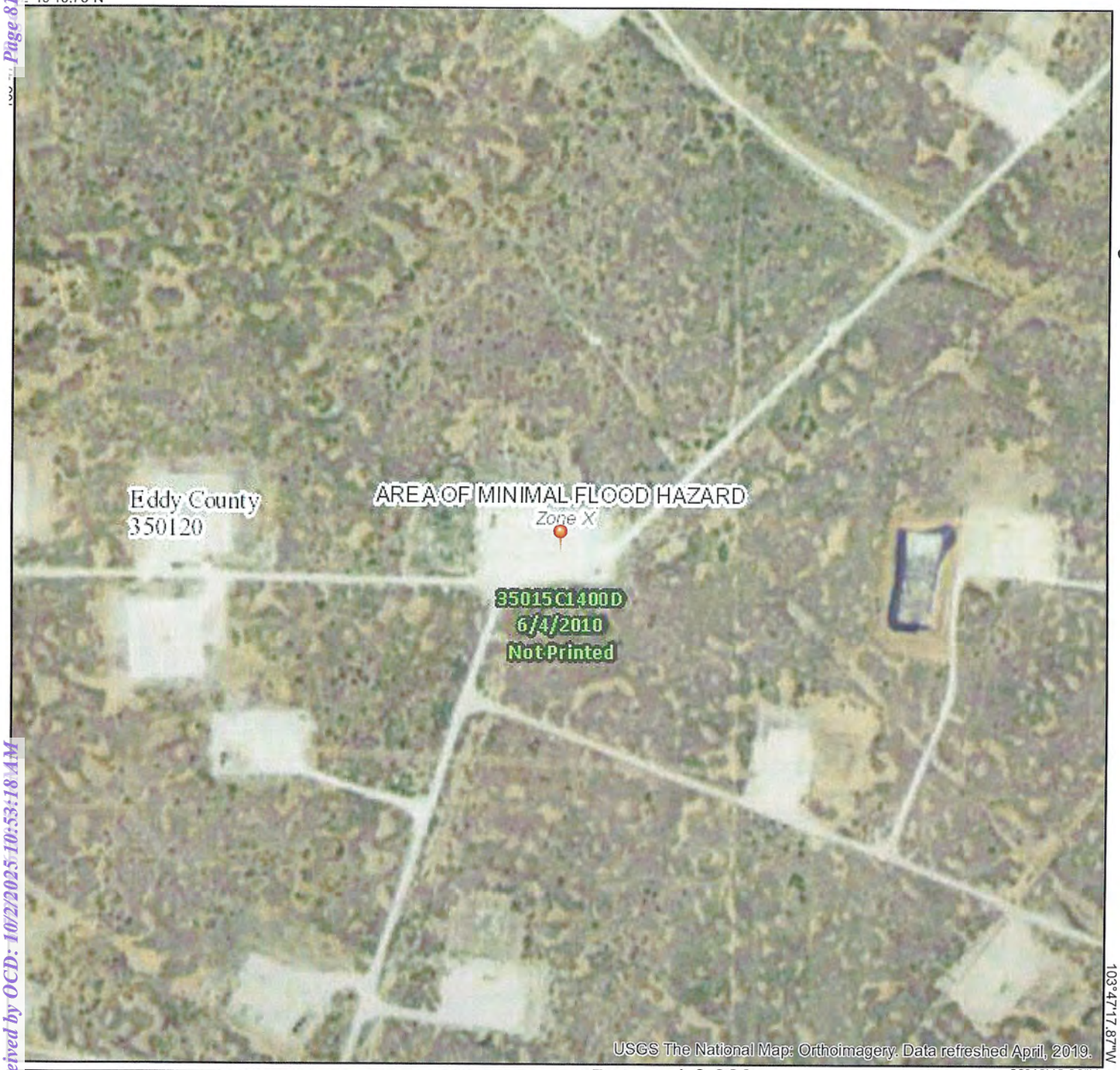
Percent of map unit: 15 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 15, Sep 15, 2019

National Flood Hazard Layer FIRMette

FEMA



32°19'16.76"N
103°47'17.87"W
32°18'46.36"N

250 500 1,000 1,500 2,000 Feet 1:6,000

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS
  - Without Base Flood Elevation (BFE) *Zone A, V, A99*
  - With BFE or Depth *Zone AE, AO, AH, VE, AR*
  - Regulatory Floodway
- OTHER AREAS OF FLOOD HAZARD
  - 0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with drainag areas of less than one square mile *Zone X*
  - Future Conditions 1% Annual Chance Flood Hazard *Zone X*
  - Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
  - Area with Flood Risk due to Levee *Zone D*
- OTHER AREAS
  - NO SCREEN Area of Minimal Flood Hazard *Zone X*
  - Effective LOMRs
  - Area of Undetermined Flood Hazard *Zone*
- GENERAL STRUCTURES
  - Channel, Culvert, or Storm Sewer
  - Levee, Dike, or Floodwall
- OTHER FEATURES
  - 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
  - Coastal Transect
  - 513 Base Flood Elevation Line (BFE)
  - Limit of Study
  - Jurisdiction Boundary
  - Coastal Transect Baseline
  - Profile Baseline
  - Hydrographic Feature
- MAP PANELS
  - Digital Data Available
  - No Digital Data Available
  - Unmapped

N

The pin displayed on the map is an approxim point selected by the user and does not repres an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/2/2020 at 1:48:37 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

APPENDIX III

INITIAL C-141

&

FINAL C-141

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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

- ☐ The source of the release has been stopped.
- ☐ The impacted area has been secured to protect human health and the environment.
- ☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: _____ Title: _____

Signature: Kendra DeHoyos Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NRM2005656589
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	85 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NRM2005656589
District RP	
Facility ID	
Application ID	

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: Chris Jones

Title: Project Manager

Signature: 

Date: 5-18-20

email: cjones@talonlpe.com

Telephone: 575-748-8768

OCD Only

Received by: _____

Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NRM2005656589
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☒ Extents of contamination must be fully delineated.

☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Chris Jones Title: Project Manager

Signature:  Date: 5-18-20

email: cjones@talonlpe.com Telephone: 575-748-8768

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NRM2005656589
District RP	
Facility ID	
Application ID	

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: Chris Jones Title: Project Manager

Signature:  Date: 5-18-20

email: cjones@talonlpe.com Telephone: 575-748-8768

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: _____

APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

Photographic Documentation

Spill

Photographic Documentation

Excavation

Photographic Documentation

Completed

Photographic Documentation

APPENDIX V

LABORATORY DATA

CARDINAL Laboratories

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

March 10, 2020

CHRIS JONES

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: NORTH PURE GOLD 8 FED 1

Enclosed are the results of analyses for samples received by the laboratory on 03/04/20 13:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/04/2020	Sampling Date:	03/03/2020
Reported:	03/10/2020	Sampling Type:	Soil
Project Name:	NORTH PURE GOLD 8 FED 1	Sampling Condition:	Cool & Intact
Project Number:	700794.324.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 1 0-1' (H000708-01)

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	03/05/2020	ND	2.00	99.9	2.00	12.3	
Toluene*	<0.050	0.050	03/05/2020	ND	1.93	96.3	2.00	11.0	
Ethylbenzene*	<0.050	0.050	03/05/2020	ND	1.92	96.0	2.00	10.5	
Total Xylenes*	<0.150	0.150	03/05/2020	ND	5.69	94.8	6.00	10.7	
Total BTEX	<0.300	0.300	03/05/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.7 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	03/05/2020	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	03/05/2020	ND	210	105	200	0.805	
DRO >C10-C28*	<10.0	10.0	03/05/2020	ND	215	107	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/05/2020	ND					

Surrogate: 1-Chlorooctane *98.1 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *106 %* *42.2-156*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/04/2020	Sampling Date:	03/03/2020
Reported:	03/10/2020	Sampling Type:	Soil
Project Name:	NORTH PURE GOLD 8 FED 1	Sampling Condition:	Cool & Intact
Project Number:	700794.324.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 2 0-1' (H000708-02)

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	03/05/2020	ND	2.00	99.9	2.00	12.3	
Toluene*	<0.050	0.050	03/05/2020	ND	1.93	96.3	2.00	11.0	
Ethylbenzene*	<0.050	0.050	03/05/2020	ND	1.92	96.0	2.00	10.5	
Total Xylenes*	<0.150	0.150	03/05/2020	ND	5.69	94.8	6.00	10.7	
Total BTEX	<0.300	0.300	03/05/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	03/05/2020	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	03/05/2020	ND	210	105	200	0.805	
DRO >C10-C28*	**62.9**	10.0	03/05/2020	ND	215	107	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/05/2020	ND					

Surrogate: 1-Chlorooctane *91.1 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *102 %* *42.2-156*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/04/2020	Sampling Date:	03/03/2020
Reported:	03/10/2020	Sampling Type:	Soil
Project Name:	NORTH PURE GOLD 8 FED 1	Sampling Condition:	Cool & Intact
Project Number:	700794.324.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 3 0-1' (H000708-03)

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	03/05/2020	ND	2.00	99.9	2.00	12.3	
Toluene*	<0.050	0.050	03/05/2020	ND	1.93	96.3	2.00	11.0	
Ethylbenzene*	<0.050	0.050	03/05/2020	ND	1.92	96.0	2.00	10.5	
Total Xylenes*	<0.150	0.150	03/05/2020	ND	5.69	94.8	6.00	10.7	
Total BTEX	<0.300	0.300	03/05/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/05/2020	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	03/05/2020	ND	210	105	200	0.805	
DRO >C10-C28*	<10.0	10.0	03/05/2020	ND	215	107	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/05/2020	ND					

Surrogate: 1-Chlorooctane *95.2 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *101 %* *42.2-156*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/04/2020	Sampling Date:	03/03/2020
Reported:	03/10/2020	Sampling Type:	Soil
Project Name:	NORTH PURE GOLD 8 FED 1	Sampling Condition:	Cool & Intact
Project Number:	700794.324.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 4 0-1' (H000708-04)

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	03/05/2020	ND	2.00	99.9	2.00	12.3	
Toluene*	<0.050	0.050	03/05/2020	ND	1.93	96.3	2.00	11.0	
Ethylbenzene*	<0.050	0.050	03/05/2020	ND	1.92	96.0	2.00	10.5	
Total Xylenes*	<0.150	0.150	03/05/2020	ND	5.69	94.8	6.00	10.7	
Total BTEX	<0.300	0.300	03/05/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.8 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	03/05/2020	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	03/06/2020	ND	210	105	200	0.805	
DRO >C10-C28*	<10.0	10.0	03/06/2020	ND	215	107	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/06/2020	ND					

Surrogate: 1-Chlorooctane *95.4 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *101 %* *42.2-156*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/04/2020	Sampling Date:	03/03/2020
Reported:	03/10/2020	Sampling Type:	Soil
Project Name:	NORTH PURE GOLD 8 FED 1	Sampling Condition:	Cool & Intact
Project Number:	700794.324.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 4 1-2' (H000708-05)

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	03/05/2020	ND	2.00	99.9	2.00	12.3	
Toluene*	<0.050	0.050	03/05/2020	ND	1.93	96.3	2.00	11.0	
Ethylbenzene*	<0.050	0.050	03/05/2020	ND	1.92	96.0	2.00	10.5	
Total Xylenes*	<0.150	0.150	03/05/2020	ND	5.69	94.8	6.00	10.7	
Total BTEX	<0.300	0.300	03/05/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/05/2020	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	03/06/2020	ND	210	105	200	0.805	
DRO >C10-C28*	<10.0	10.0	03/06/2020	ND	215	107	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/06/2020	ND					

Surrogate: 1-Chlorooctane *93.6 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *99.2 %* *42.2-156*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/04/2020	Sampling Date:	03/03/2020
Reported:	03/10/2020	Sampling Type:	Soil
Project Name:	NORTH PURE GOLD 8 FED 1	Sampling Condition:	Cool & Intact
Project Number:	700794.324.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 5 0-1' (H000708-06)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	03/06/2020	ND	2.00	99.9	2.00	12.3	
Toluene*	**0.282**	0.100	03/06/2020	ND	1.93	96.3	2.00	11.0	GC-NC1
Ethylbenzene*	<0.100	0.100	03/06/2020	ND	1.92	96.0	2.00	10.5	GC-NC1
Total Xylenes*	**14.9**	0.300	03/06/2020	ND	5.69	94.8	6.00	10.7	GC-NC1
Total BTEX	**15.2**	0.600	03/06/2020	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *431 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/05/2020	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*	**258**	10.0	03/05/2020	ND	190	95.1	200	2.71	
DRO >C10-C28*	**2250**	10.0	03/05/2020	ND	181	90.7	200	6.89	
EXT DRO >C28-C36	<10.0	10.0	03/05/2020	ND					

Surrogate: 1-Chlorooctane *119 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *136 %* *42.2-156*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/04/2020	Sampling Date:	03/03/2020
Reported:	03/10/2020	Sampling Type:	Soil
Project Name:	NORTH PURE GOLD 8 FED 1	Sampling Condition:	Cool & Intact
Project Number:	700794.324.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 5 1-2' (H000708-07)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2020	ND	2.00	99.9	2.00	12.3	
Toluene*	**0.093**	0.050	03/05/2020	ND	1.93	96.3	2.00	11.0	GC-NC1
Ethylbenzene*	**5.24**	0.050	03/05/2020	ND	1.92	96.0	2.00	10.5	GC-NC1
Total Xylenes*	**1.65**	0.150	03/05/2020	ND	5.69	94.8	6.00	10.7	GC-NC1
Total BTEX	**6.99**	0.300	03/05/2020	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *404 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/05/2020	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*	**202**	10.0	03/06/2020	ND	210	105	200	0.805	QM-07
DRO >C10-C28*	**1220**	10.0	03/06/2020	ND	215	107	200	2.23	QM-07
EXT DRO >C28-C36	<10.0	10.0	03/06/2020	ND					

Surrogate: 1-Chlorooctane *135 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *125 %* *42.2-156*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/04/2020	Sampling Date:	03/03/2020
Reported:	03/10/2020	Sampling Type:	Soil
Project Name:	NORTH PURE GOLD 8 FED 1	Sampling Condition:	Cool & Intact
Project Number:	700794.324.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 6 0-1' (H000708-08)

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	03/06/2020	ND	2.00	99.9	2.00	12.3	
Toluene*	<0.050	0.050	03/06/2020	ND	1.93	96.3	2.00	11.0	
Ethylbenzene*	**0.083**	0.050	03/06/2020	ND	1.92	96.0	2.00	10.5	
Total Xylenes*	<0.150	0.150	03/06/2020	ND	5.69	94.8	6.00	10.7	
Total BTEX	<0.300	0.300	03/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/05/2020	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	03/06/2020	ND	210	105	200	0.805	
DRO >C10-C28*	<10.0	10.0	03/06/2020	ND	215	107	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/06/2020	ND					

Surrogate: 1-Chlorooctane *99.6 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *106 %* *42.2-156*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/04/2020	Sampling Date:	03/03/2020
Reported:	03/10/2020	Sampling Type:	Soil
Project Name:	NORTH PURE GOLD 8 FED 1	Sampling Condition:	Cool & Intact
Project Number:	700794.324.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 6 1-2' (H000708-09)

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	03/06/2020	ND	2.00	99.9	2.00	12.3	
Toluene*	<0.050	0.050	03/06/2020	ND	1.93	96.3	2.00	11.0	
Ethylbenzene*	**0.079**	0.050	03/06/2020	ND	1.92	96.0	2.00	10.5	
Total Xylenes*	<0.150	0.150	03/06/2020	ND	5.69	94.8	6.00	10.7	
Total BTEX	<0.300	0.300	03/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/05/2020	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	03/06/2020	ND	210	105	200	0.805	
DRO >C10-C28*	<10.0	10.0	03/06/2020	ND	215	107	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/06/2020	ND					

Surrogate: 1-Chlorooctane *97.9 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *106 %* *42.2-156*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/04/2020	Sampling Date:	03/03/2020
Reported:	03/10/2020	Sampling Type:	Soil
Project Name:	NORTH PURE GOLD 8 FED 1	Sampling Condition:	Cool & Intact
Project Number:	700794.324.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 7 0-1' (H000708-10)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.095**	0.050	03/05/2020	ND	2.00	99.9	2.00	12.3	
Toluene*	**3.42**	0.050	03/05/2020	ND	1.93	96.3	2.00	11.0	GC-NC1
Ethylbenzene*	<0.050	0.050	03/05/2020	ND	1.92	96.0	2.00	10.5	GC-NC1
Total Xylenes*	**18.1**	0.150	03/05/2020	ND	5.69	94.8	6.00	10.7	GC-NC1
Total BTEX	**21.6**	0.300	03/05/2020	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *811 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	03/05/2020	ND	416	104	400	0.00	

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*	**2050**	50.0	03/06/2020	ND	210	105	200	0.805	
DRO >C10-C28*	**11800**	50.0	03/06/2020	ND	215	107	200	2.23	
EXT DRO >C28-C36	<50.0	50.0	03/06/2020	ND					

Surrogate: 1-Chlorooctane *277 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *189 %* *42.2-156*

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Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/04/2020	Sampling Date:	03/03/2020
Reported:	03/10/2020	Sampling Type:	Soil
Project Name:	NORTH PURE GOLD 8 FED 1	Sampling Condition:	Cool & Intact
Project Number:	700794.324.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 7 1-2' (H000708-11)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/05/2020	ND	1.80	89.9	2.00	10.5	
Toluene*	**8.73**	2.00	03/05/2020	ND	1.79	89.6	2.00	10.9	GC-NC1
Ethylbenzene*	**40.5**	2.00	03/05/2020	ND	1.82	90.9	2.00	10.8	GC-NC1
Total Xylenes*	**45.7**	6.00	03/05/2020	ND	5.27	87.8	6.00	10.7	GC-NC1
Total BTEX	**94.9**	12.0	03/05/2020	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *177 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/05/2020	ND	416	104	400	0.00	

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*	**4220**	50.0	03/06/2020	ND	210	105	200	0.805	
DRO >C10-C28*	**16900**	50.0	03/06/2020	ND	215	107	200	2.23	
EXT DRO >C28-C36	<50.0	50.0	03/06/2020	ND					

Surrogate: 1-Chlorooctane *493 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *220 %* *42.2-156*

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Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/04/2020	Sampling Date:	03/03/2020
Reported:	03/10/2020	Sampling Type:	Soil
Project Name:	NORTH PURE GOLD 8 FED 1	Sampling Condition:	Cool & Intact
Project Number:	700794.324.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 7 2-3' (H000708-12)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/05/2020	ND	1.80	89.9	2.00	10.5	
Toluene*	**10.2**	2.00	03/05/2020	ND	1.79	89.6	2.00	10.9	GC-NC1
Ethylbenzene*	**43.1**	2.00	03/05/2020	ND	1.82	90.9	2.00	10.8	GC-NC1
Total Xylenes*	**37.1**	6.00	03/05/2020	ND	5.27	87.8	6.00	10.7	GC-NC1
Total BTEX	**90.4**	12.0	03/05/2020	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *163 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/05/2020	ND	416	104	400	0.00	

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*	**4640**	50.0	03/06/2020	ND	210	105	200	0.805	
DRO >C10-C28*	**18000**	50.0	03/06/2020	ND	215	107	200	2.23	
EXT DRO >C28-C36	<50.0	50.0	03/06/2020	ND					

Surrogate: 1-Chlorooctane *542 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *227 %* *42.2-156*

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Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/04/2020	Sampling Date:	03/03/2020
Reported:	03/10/2020	Sampling Type:	Soil
Project Name:	NORTH PURE GOLD 8 FED 1	Sampling Condition:	Cool & Intact
Project Number:	700794.324.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 7 3-4' (H000708-13)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/05/2020	ND	1.80	89.9	2.00	10.5	
Toluene*	**8.81**	2.00	03/05/2020	ND	1.79	89.6	2.00	10.9	GC-NC1
Ethylbenzene*	**42.0**	2.00	03/05/2020	ND	1.82	90.9	2.00	10.8	GC-NC1
Total Xylenes*	**35.5**	6.00	03/05/2020	ND	5.27	87.8	6.00	10.7	GC-NC1
Total BTEX	**86.3**	12.0	03/05/2020	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *164 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/05/2020	ND	416	104	400	0.00	

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*	**5160**	50.0	03/06/2020	ND	210	105	200	0.805	
DRO >C10-C28*	**18900**	50.0	03/06/2020	ND	215	107	200	2.23	
EXT DRO >C28-C36	<50.0	50.0	03/06/2020	ND					

Surrogate: 1-Chlorooctane *602 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *219 %* *42.2-156*

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Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/04/2020	Sampling Date:	03/03/2020
Reported:	03/10/2020	Sampling Type:	Soil
Project Name:	NORTH PURE GOLD 8 FED 1	Sampling Condition:	Cool & Intact
Project Number:	700794.324.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 8 0-1' (H000708-14)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/05/2020	ND	1.80	89.9	2.00	10.5	
Toluene*	**18.3**	2.00	03/05/2020	ND	1.79	89.6	2.00	10.9	GC-NC1
Ethylbenzene*	**44.4**	2.00	03/05/2020	ND	1.82	90.9	2.00	10.8	GC-NC1
Total Xylenes*	**51.2**	6.00	03/05/2020	ND	5.27	87.8	6.00	10.7	GC-NC1
Total BTEX	**114**	12.0	03/05/2020	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *157 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/05/2020	ND	416	104	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*	**3670**	50.0	03/06/2020	ND	210	105	200	0.805	
DRO >C10-C28*	**12600**	50.0	03/06/2020	ND	215	107	200	2.23	
EXT DRO >C28-C36	<50.0	50.0	03/06/2020	ND					

Surrogate: 1-Chlorooctane *393 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *182 %* *42.2-156*

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CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/04/2020	Sampling Date:	03/03/2020
Reported:	03/10/2020	Sampling Type:	Soil
Project Name:	NORTH PURE GOLD 8 FED 1	Sampling Condition:	Cool & Intact
Project Number:	700794.324.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 8 1-2' (H000708-15)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/05/2020	ND	1.80	89.9	2.00	10.5	
Toluene*	**17.9**	2.00	03/05/2020	ND	1.79	89.6	2.00	10.9	GC-NC1
Ethylbenzene*	**54.7**	2.00	03/05/2020	ND	1.82	90.9	2.00	10.8	GC-NC1
Total Xylenes*	**46.5**	6.00	03/05/2020	ND	5.27	87.8	6.00	10.7	GC-NC1
Total BTEX	**119**	12.0	03/05/2020	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *175 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/05/2020	ND	416	104	400	0.00	

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*	**4280**	50.0	03/09/2020	ND	174	86.8	200	9.08	QM-07, QR-03
DRO >C10-C28*	**12300**	50.0	03/09/2020	ND	183	91.6	200	17.3	QM-07, QR-03
EXT DRO >C28-C36	<50.0	50.0	03/09/2020	ND					

Surrogate: 1-Chlorooctane *418 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *171 %* *42.2-156*

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CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/04/2020	Sampling Date:	03/03/2020
Reported:	03/10/2020	Sampling Type:	Soil
Project Name:	NORTH PURE GOLD 8 FED 1	Sampling Condition:	Cool & Intact
Project Number:	700794.324.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 8 2-3' (H000708-16)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/05/2020	ND	1.80	89.9	2.00	10.5	
Toluene*	**17.0**	2.00	03/05/2020	ND	1.79	89.6	2.00	10.9	GC-NC1
Ethylbenzene*	**54.0**	2.00	03/05/2020	ND	1.82	90.9	2.00	10.8	GC-NC1
Total Xylenes*	**45.8**	6.00	03/05/2020	ND	5.27	87.8	6.00	10.7	GC-NC1
Total BTEX	**117**	12.0	03/05/2020	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *170 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/05/2020	ND	416	104	400	0.00	

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*	**3870**	50.0	03/09/2020	ND	174	86.8	200	9.08	
DRO >C10-C28*	**11200**	50.0	03/09/2020	ND	183	91.6	200	17.3	
EXT DRO >C28-C36	<50.0	50.0	03/09/2020	ND					

Surrogate: 1-Chlorooctane *389 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *159 %* *42.2-156*

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CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	03/04/2020	Sampling Date:	03/03/2020
Reported:	03/10/2020	Sampling Type:	Soil
Project Name:	NORTH PURE GOLD 8 FED 1	Sampling Condition:	Cool & Intact
Project Number:	700794.324.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 8 3-4' (H000708-17)

BTEX 8021B mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/06/2020	ND	1.80	89.9	2.00	10.5	
Toluene*	**15.3**	2.00	03/06/2020	ND	1.79	89.6	2.00	10.9	GC-NC1
Ethylbenzene*	**48.9**	2.00	03/06/2020	ND	1.82	90.9	2.00	10.8	GC-NC1
Total Xylenes*	**44.4**	6.00	03/06/2020	ND	5.27	87.8	6.00	10.7	GC-NC1
Total BTEX	**109**	12.0	03/06/2020	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *167 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/05/2020	ND	416	104	400	0.00	

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*	**3890**	50.0	03/09/2020	ND	174	86.8	200	9.08	
DRO >C10-C28*	**11300**	50.0	03/09/2020	ND	183	91.6	200	17.3	
EXT DRO >C28-C36	<50.0	50.0	03/09/2020	ND					

Surrogate: 1-Chlorooctane *381 %* *44.3-144*

Surrogate: 1-Chlorooctadecane *160 %* *42.2-156*

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Celey D. Keene, Lab Director/Quality Manager

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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.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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.
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

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE	BILL TO
Project Manager: Chris Jones	P.O. #: 700794.324.01
Address: 408 W Texas Ave	Company: Talon LPE
City: Artesia State: NM Zip: 88210	Attn: Chris Jones
Phone #: 575-746-8768 Fax #:	Address:
Project #: 700794.324.01 Project Owner: Devon Energy	City:
Project Name: North Pure Gold 8 Fed 1	State: Zip:
Project Location: Eddy County	Phone #:
Sampler Name: Brandon Sinclair	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TPH EXT	BTEX	Total Chlorides
H000708																	
1	S-1 0-1'	G				✓					✓		3-3-20	0910	✓	✓	✓
2	S-2 0-1'													0915			
3	S-3 0-1'													0925			
4	S-4 0-1'													0935			
5	S-4 1-2'													0940			
6	S-5 0-1'													1000			
7	S-5 1-2'													1010			
8	S-6 0-1'													1020			
9	S-6 1-2'													1025			
10	S-7 0-1'													1035			

Relinquished By:	Date: 3-4-20 Time: 1140	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: 3-4-20 Time: 1345	Received By: Tamara Oldaker	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 2.7° #113	Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials) TO	REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Pg 1 of 2

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE	BILL TO
Project Manager: Chris Jones	P.O. #: 700794.324.01
Address: 408 W Texas Ave.	Company: Talon LPE
City: Artesia State: NM Zip: 88210	Attn: Chris Jones
Phone #: 575-746-8768 Fax #:	Address:
Project #: 700794.324.01 Project Owner: Devon Energy	City:
Project Name: North Pure Gold 8 Fed 1	State: Zip:
Project Location: Eddy County	Phone #:
Sampler Name: Brandon Sinclair	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH EXT	BTEX	Total Chlorides
H000708																	
11	S-7 1-2'	G				✓					✓		3-3-20	1045	✓	✓	✓
12	S-7 2-3'					✓					✓			1050			
13	S-7 3-4'					✓					✓			1100			
14	S-8 0-1'					✓					✓			1110			
15	S-8 1-2'					✓					✓			1115			
16	S-8 2-3'					✓					✓			1120			
17	S-8 3-4'					✓					✓			1130			

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 3-4-20 Time: 1140	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: 3-4-20 Time: 1345	Received By: Samara Alcott	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition: Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials) TO	REMARKS: Pg 2 of 2

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 03, 2020

Rebecca Pons

Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL:
FAX

RE: North Pure Gold 8 Fed 1 OrderNo.: 2004001

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 11 sample(s) on 4/1/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order: **2004001**
Date Reported: **4/3/2020**

CLIENT: Talon Artesia **Lab Order:** 2004001
Project: North Pure Gold 8 Fed 1

Lab ID: 2004001-001 **Collection Date:** 3/30/2020 12:00:00 PM
Client Sample ID: S-7 South Sidewall **Matrix:** MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	4/1/2020 1:40:21 PM	G67771
Surr: BFB	97.7	70-130		%Rec	1	4/1/2020 1:40:21 PM	G67771
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	430	9.7		mg/Kg	1	4/1/2020 7:40:24 PM	51489
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/1/2020 7:40:24 PM	51489
Surr: DNOP	79.1	55.1-146		%Rec	1	4/1/2020 7:40:24 PM	51489

Lab ID: 2004001-002 **Collection Date:** 3/30/2020 12:05:00 PM
Client Sample ID: S-7 North Sidewall **Matrix:** MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	240	3.6		mg/Kg	1	4/1/2020 3:06:12 PM	G67771
Surr: BFB	122	70-130		%Rec	1	4/1/2020 3:06:12 PM	G67771
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	4700	93		mg/Kg	10	4/2/2020 1:51:42 PM	51489
Motor Oil Range Organics (MRO)	ND	460		mg/Kg	10	4/2/2020 1:51:42 PM	51489
Surr: DNOP	0	55.1-146	S	%Rec	10	4/2/2020 1:51:42 PM	51489

Lab ID: 2004001-003 **Collection Date:** 3/30/2020 12:10:00 PM
Client Sample ID: S-7 East Sidewall **Matrix:** MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	4/1/2020 3:34:43 PM	G67771
Surr: BFB	108	70-130		%Rec	1	4/1/2020 3:34:43 PM	G67771
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	480	9.1		mg/Kg	1	4/1/2020 9:09:12 PM	51489
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	4/1/2020 9:09:12 PM	51489
Surr: DNOP	79.8	55.1-146		%Rec	1	4/1/2020 9:09:12 PM	51489

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order: **2004001**
Date Reported: **4/3/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Lab Order:** 2004001
Project: North Pure Gold 8 Fed 1

Lab ID: 2004001-004 **Collection Date:** 3/30/2020 12:15:00 PM
Client Sample ID: S-8 North Sidewall **Matrix:** MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	570	170		mg/Kg	50	4/1/2020 7:51:27 PM	G67771
Surr: BFB	124	70-130		%Rec	50	4/1/2020 7:51:27 PM	G67771
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	1100	95		mg/Kg	10	4/2/2020 2:15:39 PM	51489
Motor Oil Range Organics (MRO)	ND	480		mg/Kg	10	4/2/2020 2:15:39 PM	51489
Surr: DNOP	0	55.1-146	S	%Rec	10	4/2/2020 2:15:39 PM	51489

Lab ID: 2004001-005 **Collection Date:** 3/30/2020 12:00:00 PM
Client Sample ID: S-8 East Sidewall **Matrix:** MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	280	3.6		mg/Kg	1	4/1/2020 4:31:47 PM	G67771
Surr: BFB	116	70-130		%Rec	1	4/1/2020 4:31:47 PM	G67771
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	4400	100		mg/Kg	10	4/2/2020 2:39:42 PM	51489
Motor Oil Range Organics (MRO)	ND	500		mg/Kg	10	4/2/2020 2:39:42 PM	51489
Surr: DNOP	0	55.1-146	S	%Rec	10	4/2/2020 2:39:42 PM	51489

Lab ID: 2004001-006 **Collection Date:** 3/30/2020 12:25:00 PM
Client Sample ID: S-8 West Sidewall **Matrix:** MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	1100	17		mg/Kg	5	4/1/2020 5:00:13 PM	G67771
Surr: BFB	107	70-130		%Rec	5	4/1/2020 5:00:13 PM	G67771
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	11000	490		mg/Kg	50	4/2/2020 3:03:40 PM	51489
Motor Oil Range Organics (MRO)	ND	2500		mg/Kg	50	4/2/2020 3:03:40 PM	51489
Surr: DNOP	0	55.1-146	S	%Rec	50	4/2/2020 3:03:40 PM	51489

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order: **2004001**
Date Reported: **4/3/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Lab Order:** 2004001
Project: North Pure Gold 8 Fed 1

Lab ID: 2004001-007 **Collection Date:** 3/30/2020 12:55:00 PM
Client Sample ID: S-8 6' **Matrix:** MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	2900	310		mg/Kg	100	4/1/2020 8:20:04 PM	G67771
Surr: BFB	106	70-130		%Rec	100	4/1/2020 8:20:04 PM	G67771
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	15000	470		mg/Kg	50	4/2/2020 2:03:20 PM	51489
Motor Oil Range Organics (MRO)	ND	2400	D	mg/Kg	50	4/2/2020 2:03:20 PM	51489
Surr: DNOP	0	55.1-146	S	%Rec	50	4/2/2020 2:03:20 PM	51489

Lab ID: 2004001-008 **Collection Date:** 3/30/2020 1:00:00 PM
Client Sample ID: S-8 8' **Matrix:** MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	1300	18		mg/Kg	5	4/1/2020 5:57:08 PM	G67771
Surr: BFB	103	70-130		%Rec	5	4/1/2020 5:57:08 PM	G67771
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	13000	450		mg/Kg	50	4/2/2020 2:25:41 PM	51489
Motor Oil Range Organics (MRO)	ND	2200	D	mg/Kg	50	4/2/2020 2:25:41 PM	51489
Surr: DNOP	0	55.1-146	S	%Rec	50	4/2/2020 2:25:41 PM	51489

Lab ID: 2004001-009 **Collection Date:** 3/30/2020 1:05:00 PM
Client Sample ID: S-8 10'R **Matrix:** MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	1800	23		mg/Kg	5	4/1/2020 6:25:53 PM	G67771
Surr: BFB	108	70-130		%Rec	5	4/1/2020 6:25:53 PM	G67771
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	14000	490		mg/Kg	50	4/2/2020 2:47:52 PM	51489
Motor Oil Range Organics (MRO)	ND	2400	D	mg/Kg	50	4/2/2020 2:47:52 PM	51489
Surr: DNOP	0	55.1-146	S	%Rec	50	4/2/2020 2:47:52 PM	51489

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order: **2004001**
Date Reported: **4/3/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Lab Order:** 2004001
Project: North Pure Gold 8 Fed 1

Lab ID: 2004001-010 **Collection Date:** 3/30/2020 1:15:00 PM
Client Sample ID: S-7 6' **Matrix:** MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	20	3.1		mg/Kg	1	4/1/2020 6:54:33 PM	G67771
Surr: BFB	103	70-130		%Rec	1	4/1/2020 6:54:33 PM	G67771
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	51	10		mg/Kg	1	4/1/2020 11:44:18 PM	51489
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/1/2020 11:44:18 PM	51489
Surr: DNOP	87.9	55.1-146		%Rec	1	4/1/2020 11:44:18 PM	51489

Lab ID: 2004001-011 **Collection Date:** 3/30/2020 1:20:00 PM
Client Sample ID: S-7 8'R **Matrix:** MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	360	16		mg/Kg	5	4/1/2020 7:23:02 PM	G67771
Surr: BFB	101	70-130		%Rec	5	4/1/2020 7:23:02 PM	G67771
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	1500	96		mg/Kg	10	4/2/2020 3:10:05 PM	51489
Motor Oil Range Organics (MRO)	ND	480	D	mg/Kg	10	4/2/2020 3:10:05 PM	51489
Surr: DNOP	0	55.1-146	S	%Rec	10	4/2/2020 3:10:05 PM	51489

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2004001**

03-Apr-20

Client: Talon Artesia

Project: North Pure Gold 8 Fed 1

Sample ID: **2004001-001AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **S-7 South Sidewall** Batch ID: **51489** RunNo: **67768**

Prep Date: **4/1/2020** Analysis Date: **4/1/2020** SeqNo: **2340333** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	500	10	50.00	430.3	146	47.4	136			S
Surr: DNOP	3.9		5.000		77.5	55.1	146			

Sample ID: **2004001-001AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **S-7 South Sidewall** Batch ID: **51489** RunNo: **67768**

Prep Date: **4/1/2020** Analysis Date: **4/1/2020** SeqNo: **2340334** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	530	9.4	47.08	430.3	204	47.4	136	4.44	43.4	S
Surr: DNOP	3.8		4.708		80.4	55.1	146	0	0	

Sample ID: **LCS-51489** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **51489** RunNo: **67768**

Prep Date: **4/1/2020** Analysis Date: **4/1/2020** SeqNo: **2340347** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.5	70	130			
Surr: DNOP	3.7		5.000		73.3	55.1	146			

Sample ID: **MB-51489** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **51489** RunNo: **67768**

Prep Date: **4/1/2020** Analysis Date: **4/1/2020** SeqNo: **2340350** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.8		10.00		77.6	55.1	146			

Qualifiers:

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D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2004001**

03-Apr-20

Client: Talon Artesia

Project: North Pure Gold 8 Fed 1

Sample ID: **2.5ug gro lcs** SampType: **LCS** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS** Batch ID: **G67771** RunNo: **67771**
Prep Date: Analysis Date: **4/1/2020** SeqNo: **2340592** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.1	70	130			
Surr: BFB	510		500.0		103	70	130			

Sample ID: **2004001-001ams** SampType: **MS** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **S-7 South Sidewall** Batch ID: **G67771** RunNo: **67771**
Prep Date: Analysis Date: **4/1/2020** SeqNo: **2340607** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	17	3.5	17.56	0	98.5	70	130			
Surr: BFB	340		351.1		97.7	70	130			

Sample ID: **2004001-001amsd** SampType: **MSD** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **S-7 South Sidewall** Batch ID: **G67771** RunNo: **67771**
Prep Date: Analysis Date: **4/1/2020** SeqNo: **2340608** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	3.5	17.56	0	92.7	70	130	6.11	20	
Surr: BFB	340		351.1		95.8	70	130	0	0	

Sample ID: **lcs-51453** SampType: **LCS** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS** Batch ID: **51453** RunNo: **67771**
Prep Date: **3/31/2020** Analysis Date: **4/1/2020** SeqNo: **2340621** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	490		500.0		99.0	70	130			

Sample ID: **mb1** SampType: **MBLK** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS** Batch ID: **G67771** RunNo: **67771**
Prep Date: Analysis Date: **4/1/2020** SeqNo: **2340622** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	480		500.0		96.4	70	130			

Sample ID: **mb-51453** SampType: **MBLK** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS** Batch ID: **51453** RunNo: **67771**
Prep Date: **3/31/2020** Analysis Date: **4/1/2020** SeqNo: **2340623** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	490		500.0		97.0	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **TALON ARTESIA** Work Order Number: **2004001** RcptNo: **1**

Received By: **Isaiah Ortiz** **4/1/2020 8:35:00 AM** I-OK

Completed By: **Isaiah Ortiz** **4/1/2020 8:42:03 AM** I-OK

Reviewed By: AB 4/1/2020

Chain of Custody

1. Is Chain of Custody sufficiently complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: DAD 4/1/20

DAD 4/1/20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.2	Good	Not Present			
2	1.7	Good	Not Present			

Chain-of-Custody Record

Client: Talon LPE

Mailing Address: 408 W Texas Ave

Phone #: 575-746-8768

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 24 hr

Project Name: North Pure Gold 8 Fed 1

Project #: 200794.324.01

Project Manager: Rebecca Pons

Sampler: Brandon Sinclair

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 2.2-0 kf | 2.2°C
1.7-0 kf | 1.7°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2004001	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
3-30-20	12:00	soil	S-7 South Sidewall	4oz jar	ice	-001		✓								
	12:05		S-7 North Sidewall			-002										
	12:10		S-7 East Sidewall			-003										
	12:15		S-8 North Sidewall			-004										
	12:20		S-8 East Sidewall			-005										
	12:25		S-8 West Sidewall			-006										
	12:55		S-8 6'			-007										
	13:00		S-8 8'			-008										
	13:05		S-8 10' R			-009										
	13:15		S-7 6'			-010										
	13:20		S-7 8' R			-011										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
3/31/20	0900				3/31/20	0900
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
				courier	4/01/20	0835

Remarks: Sidewall sample depth: 4 ft

Pg 1 of 1

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 13, 2020

Chris Jones
Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL:
FAX:

RE: N Pure Gold 8 Fed 1 OrderNo.: 2004234

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 3 sample(s) on 4/7/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2004234**
Date Reported: **4/13/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: E. SW Comp #8
Project: N Pure Gold 8 Fed 1
Collection Date: 4/6/2020 8:30:00 AM
Lab ID: 2004234-001
Matrix: MEOH (SOIL)
Received Date: 4/7/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	4/7/2020 2:03:30 PM	G67912
Surr: BFB	99.6	70-130		%Rec	1	4/7/2020 2:03:30 PM	G67912
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	17	9.2		mg/Kg	1	4/7/2020 9:46:06 AM	51606
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/7/2020 9:46:06 AM	51606
Surr: DNOP	95.0	55.1-146		%Rec	1	4/7/2020 9:46:06 AM	51606

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2004234**
Date Reported: **4/13/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: E. SW Comp #7
Project: N Pure Gold 8 Fed 1
Collection Date: 4/6/2020 8:35:00 AM
Lab ID: 2004234-002
Matrix: MEOH (SOIL)
Received Date: 4/7/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	4/7/2020 2:31:57 PM	G67912
Surr: BFB	103	70-130		%Rec	1	4/7/2020 2:31:57 PM	G67912
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/7/2020 10:10:20 AM	51606
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/7/2020 10:10:20 AM	51606
Surr: DNOP	97.9	55.1-146		%Rec	1	4/7/2020 10:10:20 AM	51606

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2004234**
Date Reported: **4/13/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia
Client Sample ID: S. SW Comp #7
Project: N Pure Gold 8 Fed 1
Collection Date: 4/6/2020 8:40:00 AM
Lab ID: 2004234-003
Matrix: MEOH (SOIL)
Received Date: 4/7/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	4/7/2020 3:00:23 PM	G67912
Surr: BFB	101	70-130		%Rec	1	4/7/2020 3:00:23 PM	G67912
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/7/2020 9:58:49 AM	51606
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/7/2020 9:58:49 AM	51606
Surr: DNOP	87.9	55.1-146		%Rec	1	4/7/2020 9:58:49 AM	51606

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2004234**

13-Apr-20

Client: Talon Artesia

Project: N Pure Gold 8 Fed 1

Sample ID: **MB-51606**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **51606**	RunNo: **67895**
Prep Date: **4/7/2020**	Analysis Date: **4/7/2020**	SeqNo: **2346080** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		94.9	55.1	146			

Sample ID: **LCS-51606**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **51606**	RunNo: **67895**
Prep Date: **4/7/2020**	Analysis Date: **4/7/2020**	SeqNo: **2346082** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.8	70	130			
Surr: DNOP	4.6		5.000		91.2	55.1	146			

Sample ID: **LCS-51606-2**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **51606**	RunNo: **67895**
Prep Date: **4/7/2020**	Analysis Date: **4/7/2020**	SeqNo: **2346083** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.5	70	130			
Surr: DNOP	4.5		5.000		89.8	55.1	146			

Sample ID: **LCS-51606-3**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **51606**	RunNo: **67895**
Prep Date: **4/7/2020**	Analysis Date: **4/7/2020**	SeqNo: **2346084** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	95.0	70	130			
Surr: DNOP	4.5		5.000		90.1	55.1	146			

Sample ID: **2004234-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **E. SW Comp #8**	Batch ID: **51606**	RunNo: **67900**
Prep Date: **4/7/2020**	Analysis Date: **4/7/2020**	SeqNo: **2347578** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	9.6	47.94	16.80	73.7	47.4	136			
Surr: DNOP	4.5		4.794		93.3	55.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2004234**

13-Apr-20

Client: Talon Artesia

Project: N Pure Gold 8 Fed 1

Sample ID: **2004234-001AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **E. SW Comp #8** Batch ID: **51606** RunNo: **67900**

Prep Date: **4/7/2020** Analysis Date: **4/7/2020** SeqNo: **2347579** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	9.9	49.65	16.80	75.2	47.4	136	3.73	43.4	
Surr: DNOP	4.8		4.965		97.2	55.1	146	0	0	

Sample ID: **LCS-51634** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **51634** RunNo: **67900**

Prep Date: **4/7/2020** Analysis Date: **4/9/2020** SeqNo: **2348958** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.7		5.000		74.0	55.1	146			

Sample ID: **MB-51634** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **51634** RunNo: **67900**

Prep Date: **4/7/2020** Analysis Date: **4/9/2020** SeqNo: **2348959** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.5		10.00		84.9	55.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2004234**
13-Apr-20

Client: Talon Artesia
Project: N Pure Gold 8 Fed 1

Sample ID: **2.5ug gro lcs** SampType: **LCS** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS** Batch ID: **G67912** RunNo: **67912**
Prep Date: Analysis Date: **4/6/2020** SeqNo: **2346368** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.5	70	130			
Surr: BFB	520		500.0		104	70	130			

Sample ID: **mb1** SampType: **MBLK** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS** Batch ID: **G67912** RunNo: **67912**
Prep Date: Analysis Date: **4/6/2020** SeqNo: **2346405** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	500		500.0		100	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **TALON ARTESIA** Work Order Number: **2004234** RcptNo: 1

Received By: **Juan Rojas** **4/7/2020 8:25:00 AM** Juan Rojas
Completed By: **Isaiah Ortiz** **4/7/2020 8:27:43 AM** I-OX
Reviewed By: LB 4/7/2020

Chain of Custody

1. Is Chain of Custody sufficiently complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: DAD 4/7/20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.1	Good	Not Present			

Chain-of-Custody Record

Turn-Around Time: ~~3 days~~ Same day ☑ Standard ☐ ~~Rush~~

Client: Talon LPE

408 W Texas St

Mailing Address: Artesia, NM 88210

Phone #: 575-491-6460

email or Fax#: (575) 746-8905

QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Project Name: W. Pure Gold 8 Fed 1

Project #: 200294.324.01

Project Manager: C. Jones

Sampler:

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 4.2-0.1=4.1

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2004234	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
4/6	0830	soil	E.SW Comp#8	4oz	Ice	-001		✓								
✓	0835	soil	E.SW Comp #7	1	1	-002		✓								
✓	0840	soil	S.SW Comp#7	1	1	-003		✓								

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4/6/20	1345	Rebecca Pons			4/6/20	1545
4/6/20	1900			courier	4/7/20	8:25

Remarks: Please cc the following via email:
Dadkins@talonlpe.com
Rpons@talonlpe.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

CARDINAL Laboratories

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

April 17, 2020

CHRIS JONES

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: NORTH PURE GOLD 8 FED 1

Enclosed are the results of analyses for samples received by the laboratory on 04/17/20 9:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	04/17/2020	Sampling Date:	04/16/2020
Reported:	04/17/2020	Sampling Type:	Soil
Project Name:	NORTH PURE GOLD 8 FED 1	Sampling Condition:	Cool & Intact
Project Number:	700794.324.01	Sample Received By:	Kelly Jacobson
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 8 12' (H001136-01)

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	04/17/2020	ND	191	95.3	200	0.168	
DRO >C10-C28*	**362**	10.0	04/17/2020	ND	178	88.8	200	0.871	
EXT DRO >C28-C36	<10.0	10.0	04/17/2020	ND					

Surrogate: 1-Chlorooctane	*98.2 %*	*44.3-144*
Surrogate: 1-Chlorooctadecane	*109 %*	*42.2-156*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: TALON LPE		BILL TO	
Project Manager: C. JONES		P.O. #: 700794.324.01	
Address: 408. W. TEXAS AVE		Company: TALON LPE	
City: ARTESIA	State: NM Zip: 88210	Attn: C. JONES	
Phone #: 575-631-6977	Fax #:	Address:	
Project #: 700794.324.01	Project Owner: DEVON	City:	
Project Name: N. PURE GOLD 8 FED 1		State: Zip:	
Project Location: EDDY COUNTY		Phone #:	
Sampler Name: MICHAEL COLLIER		Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST
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	TPH
400136															
1	S-8 12'	G	1			✓					✓		4-16-20	1:10	✓
2	S-8 14'													1:20	
3	S-8 16'													1:30	
4	S-8 18'													1:50	
5	S-8 20'													2:00	
6	S-8 25'													2:10	
7	S-8 30'													2:20	

Relinquished By:	Date: 4-17-20	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 945		Fax Result: ☑ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: STOP TEST ONCE A SAMPLE HAS RESULTS BELOW CLOSURE CRITERIA.
	Time:		
Delivered By: (Circle One) 4.4°		Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials) BS
Sampler - UPS - Bus - Other: #113			(BELOW TPH 2500 MG/KG) RUSH

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

APPENDIX D – Talon/LPE Remediation and Closure Report Denial

Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD
Sent: Monday, July 20, 2020 2:23 PM
To: DeHoyos, Kendra; Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Eads, Cristina, EMNRD
Cc: CFO_Spill, BLM_NM; 'Chris Jones'
Subject: NRM2005656589 NORTH PURE GOLD 8 FED #1 @ 30-015-26296
Attachments: (C-141 Remediation) NRM2005656589 NORTH PURE GOLD 8 FED #1 @ 30-015-26296.pdf

NRM2005656589 NORTH PURE GOLD 8 FED #1 @ 30-015-26296

Ms. DeHoyos,
The OCD has denied the submitted Deferral/ Closure Report C-141 for incident # NRM2005656589 NORTH PURE GOLD 8 FED #1 @ 30-015-26296 for the following reasons:

- The Depth to groundwater has been inadequately assessed. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If Devon believes that groundwater is > 100', a borehole will need to be drilled onsite and a copy of the driller's log must be provided.
- If Devon chooses not to drill a borehole to confirm the depth to groundwater, the site must be delineated/remediated to meet the Closure Criteria in Table 1 for groundwater at a depth of 50 feet or less.

The Denied C-141 can be found in the online image file. Please review and make the required correction prior to resubmitting through the fee portal.
Thank you,

Victoria Venegas
State of New Mexico
Energy, Minerals, and Natural Resources
Oil Conservation Division
811 S. First St., Artesia NM 88210
(575) 748-1283
Victoria.Venegas@state.nm.us

APPENDIX E – Daily Field Report

Daily Site Visit Report

Client:	Devon Energy Corporation	Incident ID #:	
Site Location Name:	North Pure Gold 8 Fed #1	API #:	30-015-26296
Inspection Date:	5/15/2025		

Summary of Times	
Arrived at Site	5/15/2025 9:40 AM
Departed Site	

Daily Site Visit Report

Site Sketch

Site Sketch

Daily Site Visit Report

Field Notes

9:47 Completed safety paperwork and site walkthrough upon arrival. On site to document and map out the equipment in the planned deferral area.

9:48 Mapping was conducted using a Geode Gps unit.

11:07 There is a cluster of poly lines, gas pipelines and buried pipelines that run along the southern and eastern border of the proposed deferral area. Production equipment such as pipeline headers and a equipment shack are located on the east side of the containment.

Next Steps & Recommendations

1

Daily Site Visit Report

Site Photos

Viewing Direction: Southwest	**Viewing Direction**: Southeast
	
Overview of the deferral area.	Overview of the deferral area.
Viewing Direction: Northwest	**Viewing Direction**: North
	
Earthen containment inside inside the deferral area.	Concrete stairs within the containment.

Daily Site Visit Report

Viewing Direction: Southwest	**Viewing Direction**: North
	
Above ground pipelines in the containment.	Buried pipeline markers inside the containment.

Viewing Direction: South	**Viewing Direction**: South
	
Equipment shack non the east side of the deferral area.	Above ground poly lines leading to a header located on the southeast side of the deferral area.

Daily Site Visit Report

Viewing Direction: North

Pipelines, header, and equipment shack on the southeast side of the deferral area.

Viewing Direction: West

Buried pipeline marker on the south side of the containment. Pipeline wraps around to the east side the containment.

Viewing Direction: South

Buried pipeline leading to the containment.

Viewing Direction: East

Above ground gas pipeline and poly lines running along the southern side of the containment.

Daily Site Visit Report

Viewing Direction: North	**Viewing Direction**: Southwest
	
South side of the containment.	Overview of the proposed deferral area
Viewing Direction: South	**Viewing Direction**: East
	
Overview of the proposed deferral area.	Overview of the proposed deferral area.

Daily Site Visit Report

Viewing Direction: North	**Viewing Direction**: East
	
Wellhead with high pressured gas lines.	Overview of the production pad.

Daily Site Visit Report

Daily Site Visit Signature

Inspector: John Rewis

Signature:

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Phone: (505) 476-3441

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

QUESTIONS

Action 511032

QUESTIONS

Operator: HARVARD PETROLEUM COMPANY, LLC P.O. Box 936 Roswell, NM 88202	OGRID: 10155
	Action Number: 511032
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nRM2005656589**
Incident Name	**NRM2005656589 NORTH PURE GOLD 8 FED #1 @ 30-015-26296**
Incident Type	**Release Other**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-015-26296] NORTH PURE GOLD 8 FEDERAL #001**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	NORTH PURE GOLD 8 FED #1
Date Release Discovered	02/19/2020
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Other | Tank (Any) | Crude Oil | Released: 5 BBL | Recovered: 0 BBL | Lost: 5 BBL.
Produced Water Released (bbls) Details	Cause: Other | Tank (Any) | Produced Water | Released: 40 BBL | Recovered: 0 BBL | Lost: 40 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: HARVARD PETROLEUM COMPANY, LLC P.O. Box 936 Roswell, NM 88202	OGRID: 10155
	Action Number: 511032
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Roni Kidd Title: Business Manager Email: rkidd@buckhornproduction.com Date: 10/01/2025

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QUESTIONS (continued)

Operator: HARVARD PETROLEUM COMPANY, LLC P.O. Box 936 Roswell, NM 88202	OGRID: 10155
	Action Number: 511032
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	112
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	24060
GRO+DRO (EPA SW-846 Method 8015M)	24060
BTEX (EPA SW-846 Method 8021B or 8260B)	119
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	03/30/2020
On what date will (or did) the final sampling or liner inspection occur	12/01/2025
On what date will (or was) the remediation complete(d)	12/31/2027
What is the estimated surface area (in square feet) that will be reclaimed	1259
What is the estimated volume (in cubic yards) that will be reclaimed	431
What is the estimated surface area (in square feet) that will be remediated	768
What is the estimated volume (in cubic yards) that will be remediated	341
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: HARVARD PETROLEUM COMPANY, LLC P.O. Box 936 Roswell, NM 88202	OGRID: 10155
	Action Number: 511032
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
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.	
I hereby agree and sign off to the above statement	Name: Roni Kidd Title: Business Manager Email: rkidd@buckhornproduction.com Date: 10/01/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: HARVARD PETROLEUM COMPANY, LLC P.O. Box 936 Roswell, NM 88202	OGRID: 10155
	Action Number: 511032
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	The entire excavation would be directly under the storage tank in the containment, as shown on Figure 3 of the attached report. 25 yds already removed in March and April of 2020, as much as was possible before removal of the tank.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	768
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	406
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	*Not answered.*
Enter the well API (30-) on which this deferral should be granted	30-015-26296 NORTH PURE GOLD 8 FEDERAL #001
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
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.	
I hereby agree and sign off to the above statement	Name: Roni Kidd Title: Business Manager Email: rkidd@buckhornproduction.com Date: 10/01/2025

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QUESTIONS (continued)

Operator: HARVARD PETROLEUM COMPANY, LLC P.O. Box 936 Roswell, NM 88202	OGRID: 10155
	Action Number: 511032
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	***{Unavailable.}***

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 511032

CONDITIONS

Operator: HARVARD PETROLEUM COMPANY, LLC P.O. Box 936 Roswell, NM 88202	OGRID: 10155
	Action Number: 511032
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Deferral approved. Deferral of S7 and S8 are approved until equipment and tank are decommission and site abandonment. A complete and accurate remediation report and/or reclamation report must to be submitted at that time.	10/7/2025