

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-144  
Revised April 3, 2017

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOC District Office.  
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOC District Office.

Pit, Below-Grade Tank, or  
Proposed Alternative Method Permit or Closure Plan Application

Type of action: ☐ Below grade tank registration  
☐ Permit of a pit or proposed alternative method  
☒ Closure of a pit, below-grade tank, or proposed alternative method  
☐ Modification to an existing permit/or registration  
☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

**Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request**

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.  
Operator: Huntington Energy, L.L.C. OGRID #: 208706  
Address: 908 N.W. 71<sup>st</sup> Street, Oklahoma City, OK 73116  
Facility or well name: Ute Mountain Ute #80  
API Number: 30-045-34513 OCD Permit Number: \_\_\_\_\_  
U/L or Qtr/Qtr B Section 20 Township 32N Range 14W County: San Juan  
Center of Proposed Design: Latitude 36.97711°N Longitude -108.32938°W NAD83  
Surface Owner: ☐ Federal ☐ State ☐ Private ☒ Tribal Trust or Indian Allotment

2.  
☐ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC  
Temporary: ☐ Drilling ☐ Workover  
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no  
☐ Lined ☐ Unlined Liner type: Thickness \_\_\_\_\_ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_  
☐ String-Reinforced  
Liner Seams: ☐ Welded ☐ Factory ☐ Other \_\_\_\_\_ Volume: \_\_\_\_\_ bbl Dimensions: L \_\_\_\_\_ x W \_\_\_\_\_ x D \_\_\_\_\_

3.  
☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC  
Volume: 120 bbl Type of fluid: produced water  
Tank Construction material: Metal  
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off  
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other \_\_\_\_\_  
Liner type: Thickness \_\_\_\_\_ mil ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_

4.  
☐ **Alternative Method:**  
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.  
**Fencing:** Subsection D of 19.15.17.11 NMAC (*Applies to permanent pits, temporary pits, and below-grade tanks*)  
☐ Chain link, six feet in height, two strands of barbed wire at top (*Required if located within 1000 feet of a permanent residence, school, hospital, institution or church*)  
☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet  
☐ Alternate. Please specify \_\_\_\_\_

6.

**Netting:** Subsection E of 19.15.17.11 NMAC (*Applies to permanent pits and permanent open top tanks*)☐ Screen ☐ Netting ☐ Other \_\_\_\_\_☐ Monthly inspections (If netting or screening is not physically feasible)

7.

**Signs:** Subsection C of 19.15.17.11 NMAC☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers☐ Signed in compliance with 19.15.16.8 NMAC

8.

**Variances and Exceptions:**

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

***Please check a box if one or more of the following is requested, if not leave blank:***☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

**Siting Criteria (regarding permitting):** 19.15.17.10 NMAC***Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.*****General siting****Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.**- ☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells☐ Yes ☐ No☐ NA**Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.**

NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☐ No☐ NAWithin incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (**Does not apply to below grade tanks**)

- Written confirmation or verification from the municipality; Written approval obtained from the municipality

☐ Yes ☐ NoWithin the area overlying a subsurface mine. (**Does not apply to below grade tanks**)

- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

☐ Yes ☐ NoWithin an unstable area. (**Does not apply to below grade tanks**)

- Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map

☐ Yes ☐ NoWithin a 100-year floodplain. (**Does not apply to below grade tanks**)

- FEMA map

☐ Yes ☐ No**Below Grade Tanks**

Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark).

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

☐ Yes ☐ No**Temporary Pit using Low Chloride Drilling Fluid** (maximum chloride content 15,000 mg/liter)

Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.)

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☐ No

Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300 feet of any other fresh water well or spring, in existence at the time of the initial application.

NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 100 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

### **Temporary Pit Non-low chloride drilling fluid**

Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☐ No

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, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application;

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 300 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

### **Permanent Pit or Multi-Well Fluid Management Pit**

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☐ No

Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 500 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

10.

#### **Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC

**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
- ☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_ or Permit Number: \_\_\_\_\_

11.

#### **Multi-Well Fluid Management Pit Checklist:** Subsection B of 19.15.17.9 NMAC

**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ A List of wells with approved application for permit to drill associated with the pit.
- ☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
- ☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_ or Permit Number: \_\_\_\_\_

12.

**Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC

**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC  
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  
☐ Climatological Factors Assessment  
☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Quality Control/Quality Assurance Construction and Installation Plan  
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Nuisance or Hazardous Odors, including H<sub>2</sub>S, Prevention Plan  
☐ Emergency Response Plan  
☐ Oil Field Waste Stream Characterization  
☐ Monitoring and Inspection Plan  
☐ Erosion Control Plan  
☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13.

**Proposed Closure:** 19.15.17.13 NMAC

**Instructions:** Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

- Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Multi-well Fluid Management Pit  
☐ Alternative
- Proposed Closure Method: ☐ Waste Excavation and Removal  
☐ Waste Removal (Closed-loop systems only)  
☐ On-site Closure Method (Only for temporary pits and closed-loop systems)  
☐ In-place Burial ☐ On-site Trench Burial  
☐ Alternative Closure Method

14.

**Waste Excavation and Removal Closure Plan Checklist:** (19.15.17.13 NMAC) **Instructions:** Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  
☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC  
☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)  
☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  
☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15.

**Siting Criteria (regarding on-site closure methods only):** 19.15.17.10 NMAC

**Instructions:** Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

- |   |  |
|---|--|
| Ground water is less than 25 feet below the bottom of the buried waste.   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells  | <input type="checkbox"/> NA                              |
| Ground water is between 25-50 feet below the bottom of the buried waste   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells  | <input type="checkbox"/> NA                              |
| Ground water is more than 100 feet below the bottom of the buried waste.  | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells  | <input type="checkbox"/> NA                              |
| Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| - Topographic map; Visual inspection (certification) of the proposed site   |  |
| Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image   |  |
| Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application.             | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site  |  |
| Written confirmation or verification from the municipality; Written approval obtained from the municipality   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within 300 feet of a wetland.   |  |
| US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site  | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance   |  |



adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

- Written confirmation or verification from the municipality; Written approval obtained from the municipality

☐ Yes ☐ No

Within the area overlying a subsurface mine.

- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

☐ Yes ☐ No

Within an unstable area.

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

☐ Yes ☐ No

Within a 100-year floodplain.

- FEMA map

☐ Yes ☐ No

16.

**On-Site Closure Plan Checklist:** (19.15.17.13 NMAC) *Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.*

- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  
☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC  
☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC  
☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  
☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC  
☐ Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC  
☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)  
☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  
☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.

**Operator Application Certification:**

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): \_\_\_\_\_ Title: \_\_\_\_\_

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

e-mail address: \_\_\_\_\_ Telephone: \_\_\_\_\_

18.

**OCD Approval:** ☐ Permit Application (including closure plan) ☒ Closure Plan (only) ☐ OCD Conditions (see attachment)  
 Report

**OCD Representative Signature:** Victoria Venegas **Approval Date:** 11/02/2021

**Title:** Environmental Specialist **OCD Permit Number:** BGT1

19.

**Closure Report (required within 60 days of closure completion):** 19.15.17.13 NMAC

*Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.*

☐ Closure Completion Date: 7/22/2020

20.

**Closure Method:**

- ☒ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)  
☐ If different from approved plan, please explain.

21.

**Closure Report Attachment Checklist:** *Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.*

- ☒ Proof of Closure Notice (surface owner and division)  
☐ Proof of Deed Notice (required for on-site closure for private land only)  
☒ Plot Plan (for on-site closures and temporary pits)  
☒ Confirmation Sampling Analytical Results (if applicable)  
☐ Waste Material Sampling Analytical Results (required for on-site closure)  
☒ Disposal Facility Name and Permit Number  
☒ Soil Backfilling and Cover Installation  
☒ Re-vegetation Application Rates and Seeding Technique  
☒ Site Reclamation (Photo Documentation)  
 On-site Closure Location: Latitude 36.97711 Longitude -108.32938 NAD: ☒ 1927 ☐ 1983

22.

**Operator Closure Certification:**

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Catherine Smith Title: Regulatory

Signature:  Date: 8/28/2020

e-mail address: csmith@huntingtonenergy.com Telephone: 405-840-9876

**Huntington Energy, L.L.C.  
San Juan Basin  
Below Grade Tank  
Closure Summary**

**Lease Name:** Ute Mountain Ute #80

**API No.:** 30-045-34513

**Description:** NWNE, Sec 20-32N-14W, San Juan County, New Mexico

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure requirements of below-grade tanks on Huntington Energy, L.L.C. (OPERATOR ) locations. This is OPERATOR 's standard procedure for all below-grade tanks.

**General Plan**

1. OPERATOR will obtain approval of this closure plan prior to commencing closure of the below grade tank at this location pursuant to 19.15.17.13.C (1) NMAC. **Approval from UMU/BLM/BIA on June 18, 2020 and NMOCD on 10/25/19 on From C-144.**
2. OPERATOR will notify the surface owner, Bureau of Land Management/Ute Mountain Ute Tribe/Bureau of Indian Affairs, by certified mail, return receipt requested, or via email, that the operator plans closure operations at least 72 hours, but no more than one week, prior to any closure operation. Notice will include: **Notice was given and documentation is attached.**
  - a. Well Name
  - b. API #
  - c. Well Location
3. OPERATOR will notify the NMOCD Aztec Office by email that the operator plans closure operations at least 72 hours, but no more than one week, prior to any closure operation. Notice will include: **Notice was given and documentation is attached.**
  - a. Well Name
  - b. API #
  - c. Well Location
4. Within 60 days of cessation of operations, OPERATOR will remove liquids and sludge from below-grade tanks prior to implementing a closure method and will dispose of the liquids and sludge in a division-approved facility. Approved facilities and waste streams include: **All liquids and/or sludge within the BGT were removed and sent to the following approved locations below: (UMU/BLM/BIA approved removal at location.)**
  - a. Soils, tank bottoms, produced sand, pit sludge and other exempt wastes impacted by petroleum hydrocarbons will be disposed of at:  
*Envirotech: Permit #NM01-0011 and IEI: Permit # NM01-0010B*
  - b. Produced Water will be disposed of at:  
*Basin Disposal: Permit # NM01-005*

5. Within six (6) months of cessation of operations, OPERATOR will remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. If there is any equipment associated with a below-grade tank, then the operator shall remove the equipment, unless the equipment is required for some other purpose. **Tank has been removed and is at a division approved facility. The tank will be reused. Location was inspected and approved by UMU/BIA/BLM.**
6. OPERATOR will collect a closure sample of the soil beneath the location of the below grade tank that is being closed. The closure sample will consist of a five-point composite sample to include any obvious stained or wet soils, or other evidence of contamination. The closure sample will be analyzed for all constituents listed in Table I below, including DRO+GRO, Chlorides, TPH, benzene and BTEX. **UMU Tribal, BLM and BIA representatives requested the soil to be sampled twice. Soil sampling reports are attached.**

TABLE I			
Depth Below bottom of pit to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
< 50 Feet	Chloride	EPA 9056	600 mg/kg
	TPH	Method 418.1	100 mg/kg
	BTEX	Method 8021B	50 mg/kg
	Benzene	Method 8021B	10 mg/kg
51 feet - 100 feet	Chloride	EPA 9056	10,000 mg/kg
	TPH	Method 418.1	2,500 mg/kg
	GRO + DRO	Method 8015	1,000 mg/kg
	BTEX	Method 8021B	50 mg/kg
	Benzene	Method 8021B	10 mg/kg
> 100 feet	Chloride	EPA 9056	20,000 mg/kg
	TPH	EPA 418.1	2,500 mg/kg
	GRO + DRO	Method 8015	1,000 mg/kg
	BTEX	Method 8021B	50 mg/kg
	Benzene	Method 8021B	10 mg/kg



7. OPERATOR will meet the limits for <50' to groundwater detailed in table I.
  - a. In accordance with Rule 19.15.17.13.C(3)(b) if contaminant concentrations exceed the proposed limit and groundwater is found to be deeper than 50', OPERATOR may elect to submit additional groundwater information to the Division and request a higher closure limit. OPERATOR will submit the additional groundwater data via email documenting the depth to groundwater at the location. OPERATOR will wait for approval of the groundwater data by the NMOCD, prior to completing closure activities at the site.
  - b. If a higher closure limit is submitted and approved by the Division, OPERATOR will submit a copy of the request, the groundwater information and the received approval in their closure report.

**With the location on Tribal lands, UMU/BLM/BIA approved all samplings and location closure. Groundwater was protected.**

8. If any contaminant concentration is higher than the parameters listed in Table I of 19.15.17.13 NMAC, the division may require additional delineation upon review of the results and the operator must receive approval before proceeding with closure. If all contaminant concentrations are less than or equal to the parameters listed in Table I of 19.15.17.13 NMAC, then the operator can proceed to backfill the pit, pad, or excavation with non-waste containing, uncontaminated, earthen material. **After two samplings, the UMU/BLM/BIA approved the backfilling of the BGT with non-waste containing, uncontaminated, earthen material.**
9. After closure has occurred, OPERATOR will reclaim the former BGT area, if it is no longer being used for extraction of oil and gas, by substantially restoring the impacted surface area to the condition that existed prior to oil and gas operations. OPERATOR will construct the soil cover to the site's existing grade and prevent ponding of water and erosion of the cover materials. The soil cover shall consist of the background thickness of topsoil, or one foot of suitable materials to establish vegetation at the site, whichever is greater. All areas will be reclaimed as early as practicable, and as close to their original condition or land use as possible. They shall be maintained in a way as to control dust and minimize erosion. **Location filled in with topsoil as per UMU/BLM/BIA standards and approval. Area reclaimed as close to original conditions as possible. Pictures are attached. Soil backfilling included a minimum of 4 ft. of cover and included a suitable layer of material to establish vegetation at the site. The reclamation of the location was approved by the UMU/BLM/BIA.**
10. OPERATOR will complete reclamation of all disturbed areas no longer in use when the ground disturbance activities at the site have been completed. The reseeding shall take place during the first favorable growing season after closure. Reclamation activities will be considered completed when a uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent (50%) of pre-disturbance levels, and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds. **Location will be seeded after fencing is constructed around the location by the UMUT. Fencing materials have been purchased by Huntignton. UMUT COAs require the location to be seeded by September 15, 2020. Reclamation has been completed and approved by the UMU/BIA/BLM.**

Per UMU/BLM/BIA BGT Closure Plan and Reclamation Sundry: The following seed mix approved by the UMUT and BIA must be used:

Species Common	Species scientific	% of Mix	Ibs of PLS/ac
Indian ricegrass	<i>Achnatherum hymenoides</i>	32%	5
Muttongrass	<i>Poa fendleriana</i>	26%	4
Squirreltail	<i>Elymus elemoides</i>	19.4%	3
Antelope bitterbrush	<i>Purshia tridentata</i>	19.4%	3
Utah sweetvetch	<i>Hedysarum boreale</i>	3.2%	.5
Total			15.5 lbs PLS/acre

\*This reflects the drilled seeding rate of 15.5 PLS/ft<sup>2</sup>, it needs to be doubled if broadcast.

*\*Re-vegetation and reclamation obligations imposed by other applicable federal, state or tribal agencies on lands managed by those agencies shall supersede the above requirements, provided they provide equal or better protection of fresh water, human health and the environment.*

11. OPERATOR will notify the Aztec Office of the NMOCD by email when reclamation and closure activities are completed. **Notification is attached.**
12. Within 60 days of closure, OPERATOR will submit a closure report to the Aztec office of the NMOCD, filed on Form C-144. The report will include the following:
  - a. Proof of closure notice to NMOCD and surface owner
  - b. Confirmation sampling analytical results
  - c. Soil backfill and cover installation information
  - d. Photo documentation of site reclamation
  - e. (if needed) Alternative Table I groundwater criteria request, groundwater information and received approval.

**Closure report on C-144 form is included and contains photos, results and notifications.**

## Cathy Smith

---

**From:** Cathy Smith  
**Sent:** Tuesday, July 7, 2020 8:05 AM  
**To:** Smith, Cory, EMNRD  
**Cc:** Robert Herritt  
**Subject:** Ute Mountain Ute 80 Notice of Closure and Reclamation

Cory,

Huntington Energy will be closing the BGT and doing the reclamation on the Ute Mountain Ute #80 well location. The Ute Mountain Ute #73 should be finished by this Thursday or Friday. We will then begin reclamation on the Ute Mountain Ute #80. Per NMOCD rule, Huntington is giving 72 hour notice. The BLM approved the Sundry for Closure and Reclamation on the Ute Mountain Ute #80 on June 18, 2020. Huntington will send notice to the BLM, Ute Mountain Ute and BIA regarding the closing and reclamation, as the Ute Mountain Ute Tribe are the surface and mineral owners of both wells.

Ute Mountain Ute #80  
Lease # I22IND2772  
API#: 30-045-34513  
NWNE Sec 20-32N-14W  
1300' FNL & 1700' FEL  
San Juan Co., NM

Thank you!

Cathy Smith  
Huntington Energy, L.L.C.  
908 N.W. 71<sup>st</sup> Street  
Oklahoma City, OK 73116  
(405) 840-9876 ext. 129

## Cathy Smith

---

**From:** Cathy Smith  
**Sent:** Tuesday, July 7, 2020 8:07 AM  
**To:** Jardine, Jennifer; Scott Clow; Benally, Genevieve; Gordon Hammond; Yessilth, Keith S  
**Cc:** Robert Herritt  
**Subject:** Ute Mountain Ute 80 Notice of Closure and Reclamation

Huntington Energy will be closing the BGT and doing the reclamation on the Ute Mountain Ute #80 well location. The Ute Mountain Ute #73 location should be done by Thursday or Friday of this week. We will then begin work on the Ute Mountain Ute #80 . Huntington will contact the BLM for inspection before the seeding application. The seeding will be done by no later than September 15, 2020.

Ute Mountain Ute #80  
Lease # I22IND2772  
API#: 30-045-34513  
NWNE Sec 20-32N-14W  
1300' FNL & 1700' FEL  
San Juan Co., NM

Thank you!

Cathy Smith  
Huntington Energy, L.L.C.  
908 N.W. 71<sup>st</sup> Street  
Oklahoma City, OK 73116  
(405) 840-9876 ext. 129

## Cathy Smith

---

**From:** Cathy Smith  
**Sent:** Tuesday, July 28, 2020 3:57 PM  
**To:** Smith, Cory, EMNRD  
**Cc:** Robert Herritt  
**Subject:** Ute Mountain Ute 73 & 80 Notice of Closure and Reclamation - Completed

Cory,

The Ute Mountain Ute #73 BGT and Reclamation was completed on July 13, 2020. The Ute Mountain Ute #80 BGT and Reclamation was completed on July 22, 2020. I will file C-144 closures for the BGT in the next few weeks.

Thank you!

Cathy Smith  
Huntington Energy, L.L.C.  
908 N.W. 71<sup>st</sup> Street  
Oklahoma City, OK 73116  
(405) 840-9876 ext. 129

---

**From:** Cathy Smith  
**Sent:** Wednesday, June 24, 2020 2:39 PM  
**To:** Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
**Cc:** Robert Herritt <rherritt@huntingtonenergy.com>  
**Subject:** Ute Mountain Ute 73 & 80 Notice of Closure and Reclamation  
**Importance:** High

Cory,

Huntington Energy will be closing the BGT and doing the reclamations on the Ute Mountain Ute #73 and Ute Mountain Ute #80 well locations. On Monday, June 29, 2020, closing and reclamation work will begin on the Ute Mountain Ute #73. Per NMOC rule, Huntington is giving 72 hour notice. The BLM approved the Sundries for Closure and Reclamation for the Ute Mountain Ute #73 and Ute Mountain Ute #80 on June 18, 2020. The Ute Mountain Ute #80 will be closed and reclaimed right after the Ute Mountain Ute #73. The exact date is not known at this time. It will depend on the amount of time spent on the Ute Mountain Ute #73 location. Huntington will send notice to the BLM, Ute Mountain Ute and BIA regarding the closing and reclamation, as the Ute Mountain Ute Tribe are the surface and mineral owners of both wells.

Ute Mountain Ute #73  
Lease # I22IND2772  
API#: 30-045-33302  
SWNW Sec 23, 32N-14W  
1420' FNL & 845' FWL  
San Juan Co., NM



Ute Mountain Ute #80  
Lease # I22IND2772  
API#: 30-045-34513  
NWNE Sec 20-32N-14W  
1300' FNL & 1700' FEL  
San Juan Co., NM

Thank you!

Cathy Smith  
Huntington Energy, L.L.C.  
908 N.W. 71<sup>st</sup> Street  
Oklahoma City, OK 73116  
(405) 840-9876 ext. 129

**HUNTINGTON ENERGY, L.L.C.  
UTE MOUNTAIN UTE #80  
NWNE, Sec 20-32N-14W  
San Juan Co., NM**

Soil Backfilling and Cover Installation:

Upon completion of solidification and testing standards being passed (see attached test results), a minimum of 4' of cover is achieved including a suitable layer of material to establish vegetation at the site. All re-contouring of location matches the fit, shape, line and texture of the surrounding area. Pictures are attached of the location. The location was inspected by representatives from the BLM and Ute Mountain Ute Tribe.

Re-Vegetation and Seeding Technique:

Seeding will be done before September 15, 2020. The Ute Mountain Ute Tribe is constructing a fence around the location in order to allow for seed growth due to grazing in the area. Seeding is required to be done by September 15, 2020, as per COAs from Sundry approval with BLM/BIA/UMUT. UMU/BLM/BIA stipulated seed mix will be used and is included in the Below Grade Tank Closure Summary. Repeated seeding or planting will be continued until successful growth occurs.

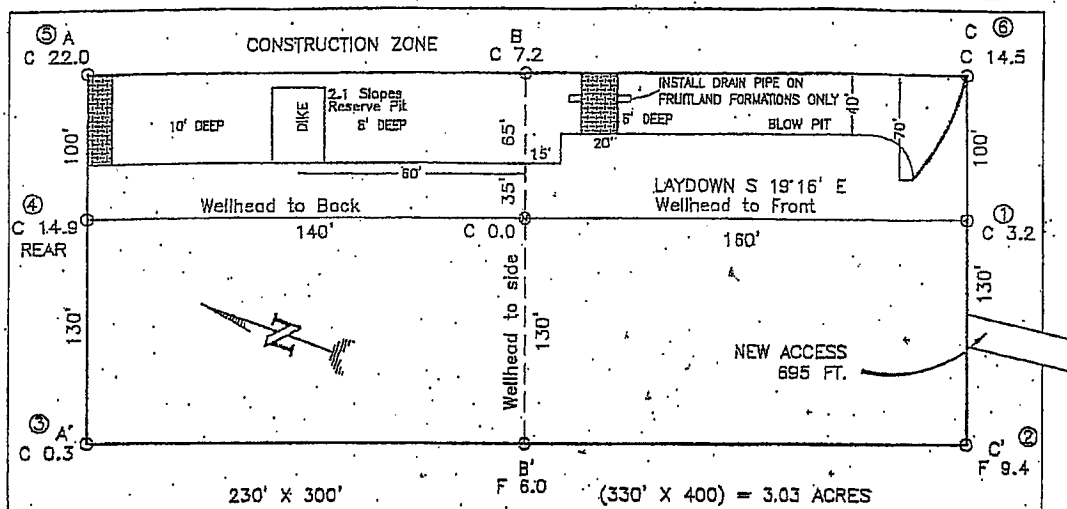
Disposal Facility:

Facility Name: IEI  
Permit #: NM-010010B

## EXHIBIT "A"

BURLINGTON RESOURCES OIL & GAS COMPANY LP/HUNTINGTON ENERGY LLC  
 UTE MOUNTAIN UTE NO. 80, 1180 FNL 1595 FEL  
 SEC. 20, T-32-N, R-14-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO  
 GROUND ELEVATION: 6153, DATE: MAY 30, 2006

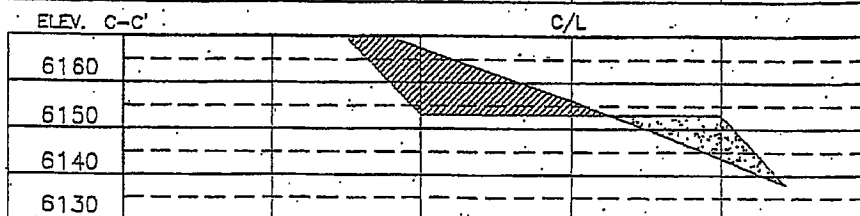
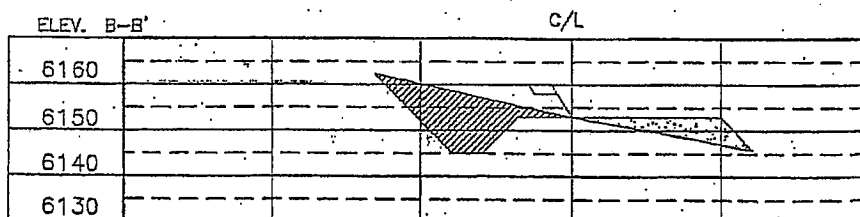
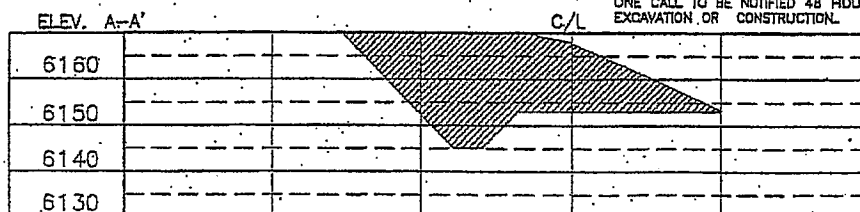
NAD 83  
 LAT. = 36.97744° N  
 LONG. = 108.32902° W



RESERVE PIT DIKE: TO BE 6" ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).  
 BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

## NOTE:

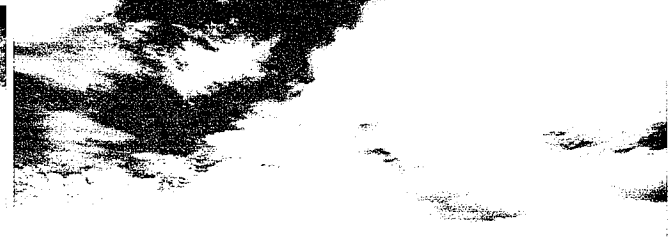
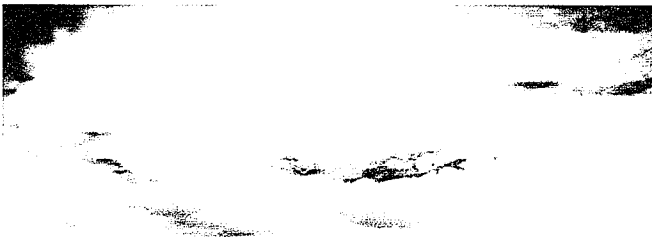
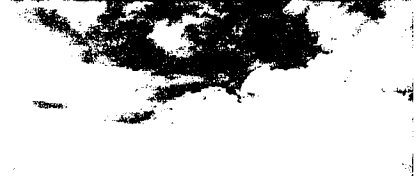
DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR  
 UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO  
 ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO  
 EXCAVATION OR CONSTRUCTION.



NOTE: CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR  
 CABLESON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

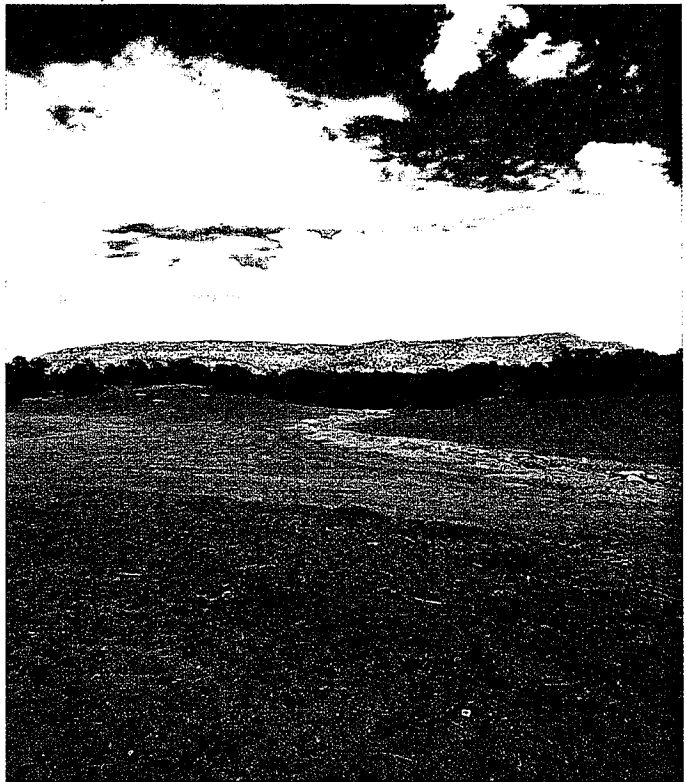
DATE	5/20/06	REVISED BY	G.V.
REVISION	1	DATE	04/13/06
<b>Daggett Enterprises, Inc.</b> Surveying and Oil Field Services P. O. Box 15088 • Farmington, NM 87401 Phone (505) 326-1772 • Fax (505) 326-6018 NEW MEXICO L.S. No. 14831 COUNCIL REGD. CTR. REG. # 1170219			

UTE MOUNTAIN UTE #80  
BGT & RECLAMATION  
I-22-IND-2772  
API# 30-045-34513  
NWNE, SEC 20-32N-14W  
SAN JUAN CO., NM





UTE MOUNTAIN UTE #80  
BGT & RECLAMATION  
I-22-IND-2772  
API# 30-045-34513  
NWNE, SEC 20-32N-14W  
SAN JUAN CO., NM





Woods Canyon Archaeological Consultants, Inc.  
140 North Linden St., Cortez, CO 81321  
Ph. 970-564-9640

July 23, 2020

Cathy Smith  
Huntington Energy, LLC.  
908 N.W. 71<sup>st</sup> Street  
Oklahoma City, OK 73116

**RE: Archaeological monitoring of the reclamation work of the UMU #80 well location on Ute Mountain Ute Reservation lands in Barker Arroyo, San Juan County, New Mexico**

Ms. Smith,

This letter serves as the final reporting for the Woods Canyon Archeological Consultants, Inc. (Woods Canyon) archaeological monitoring of the reclamation of the Ute Mountain Ute #80 well pad on Ute Mountain Ute lands in Barker Arroyo, San Juan County, New Mexico.

On July 13, 2020 a monitoring permit was submitted to and approved by the Ute Mountain Ute Tribal Historic Preservation Office in Towaoc, Colorado. On July 14, the northern edge of site LA155844, which was within 100 feet of the well pad, was fenced using lathe and blue flagging (see attached). Cultural resource monitor Greg Hovezak monitored all ground-disturbing activity in proximity to this site until reclamation was completed on July 22, 2020.

No cultural resources were discovered during the reclamation of the UMU #80 well pad, and site LA155844 was completely avoided. The avoidance fence was removed at the conclusion of work. Cultural resource monitoring is recommended for the reseeding in the fall. An invoice for the services is included with this letter report.

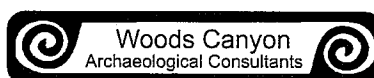
Please contact us if there is anything that you need from us.

Sincerely,



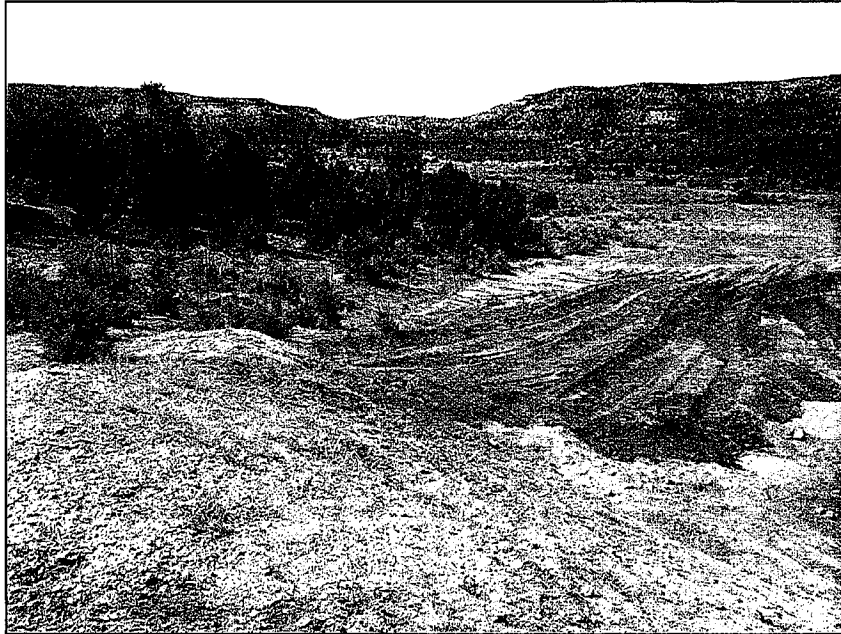
Jason Chuipka  
Vice President, Woods Canyon Archaeological Consultants, Inc.

CC. Ute Mountain Ute THPO

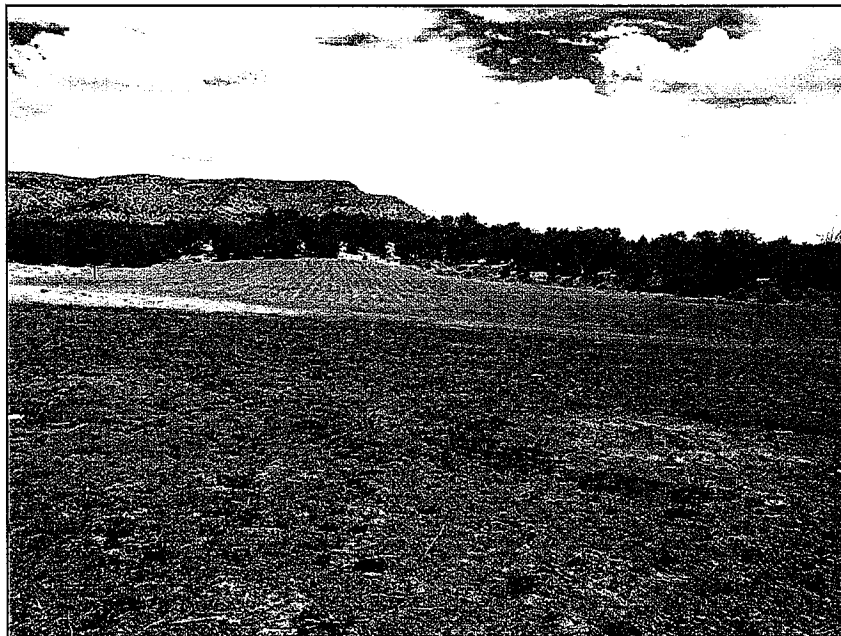


Woods Canyon Archaeological Consultants, Inc.  
140 North Linden St., Cortez, CO 81321  
Ph. 970-564-9640

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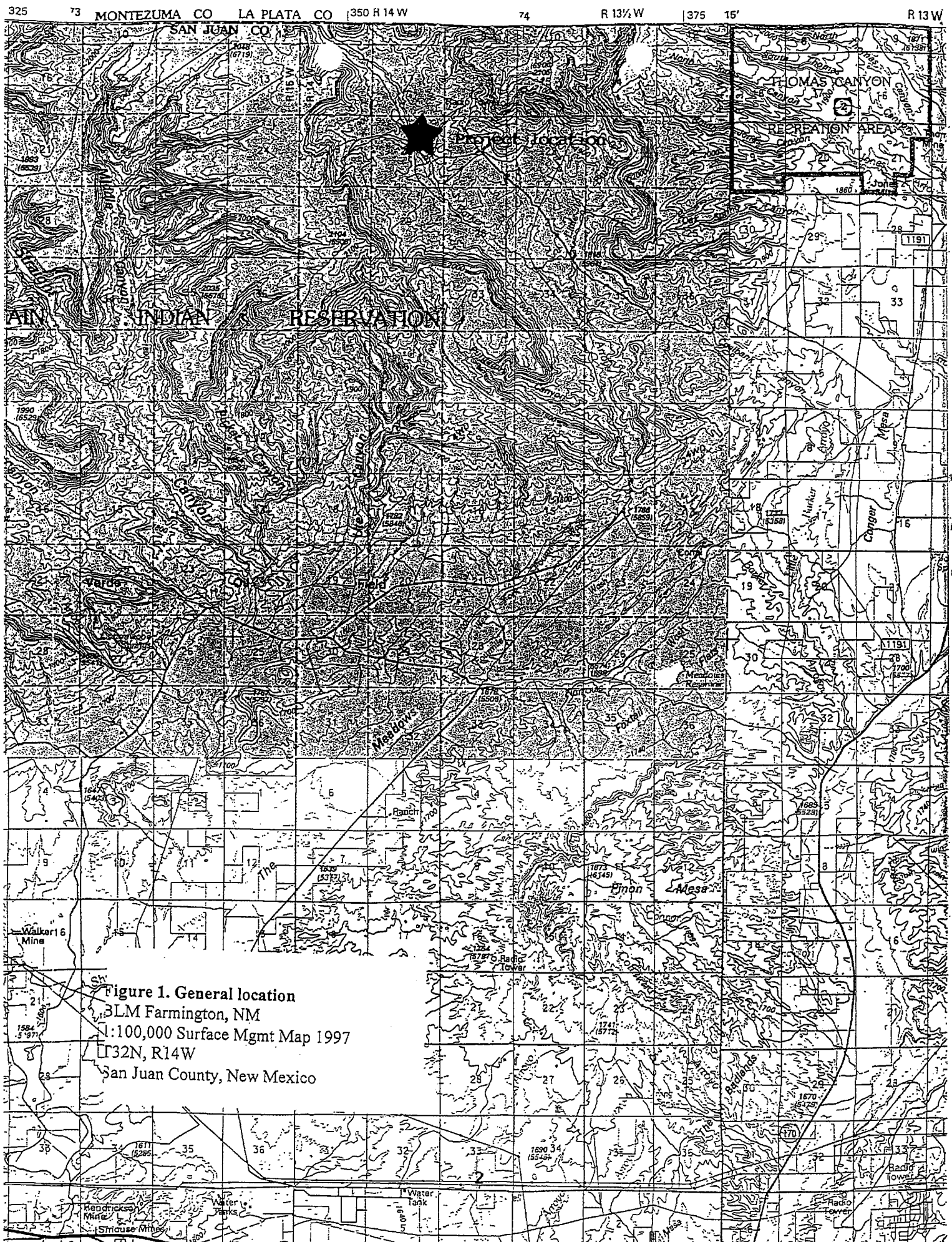
*Photograph of reclamation work of the UMU #80 well pad in Barker Arroyo. T-posts with blue flagging mark the edge of the site that is in the trees.*



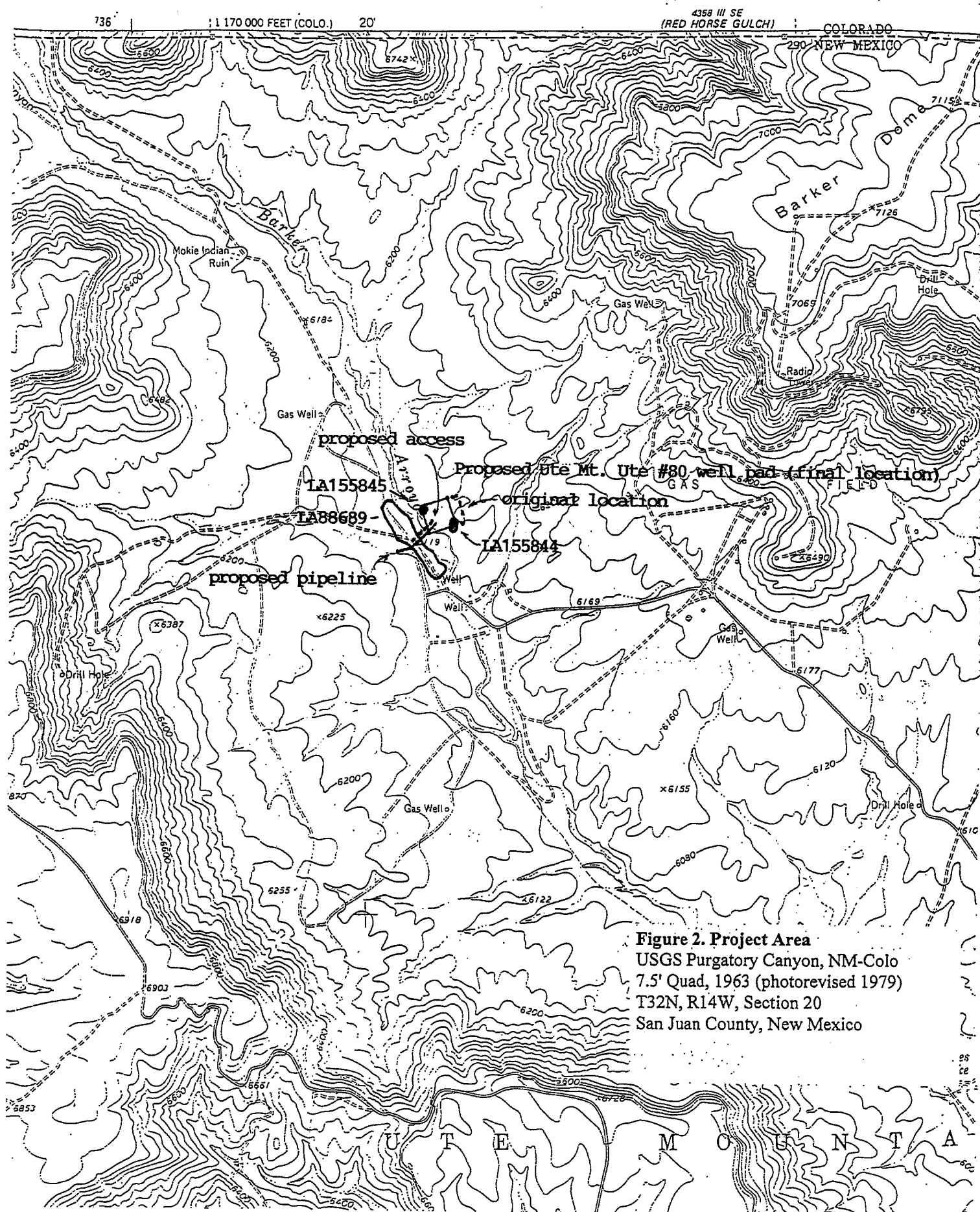
*Photograph of reclamation work of the UMU #80 well pad in Barker Arroyo, final.*











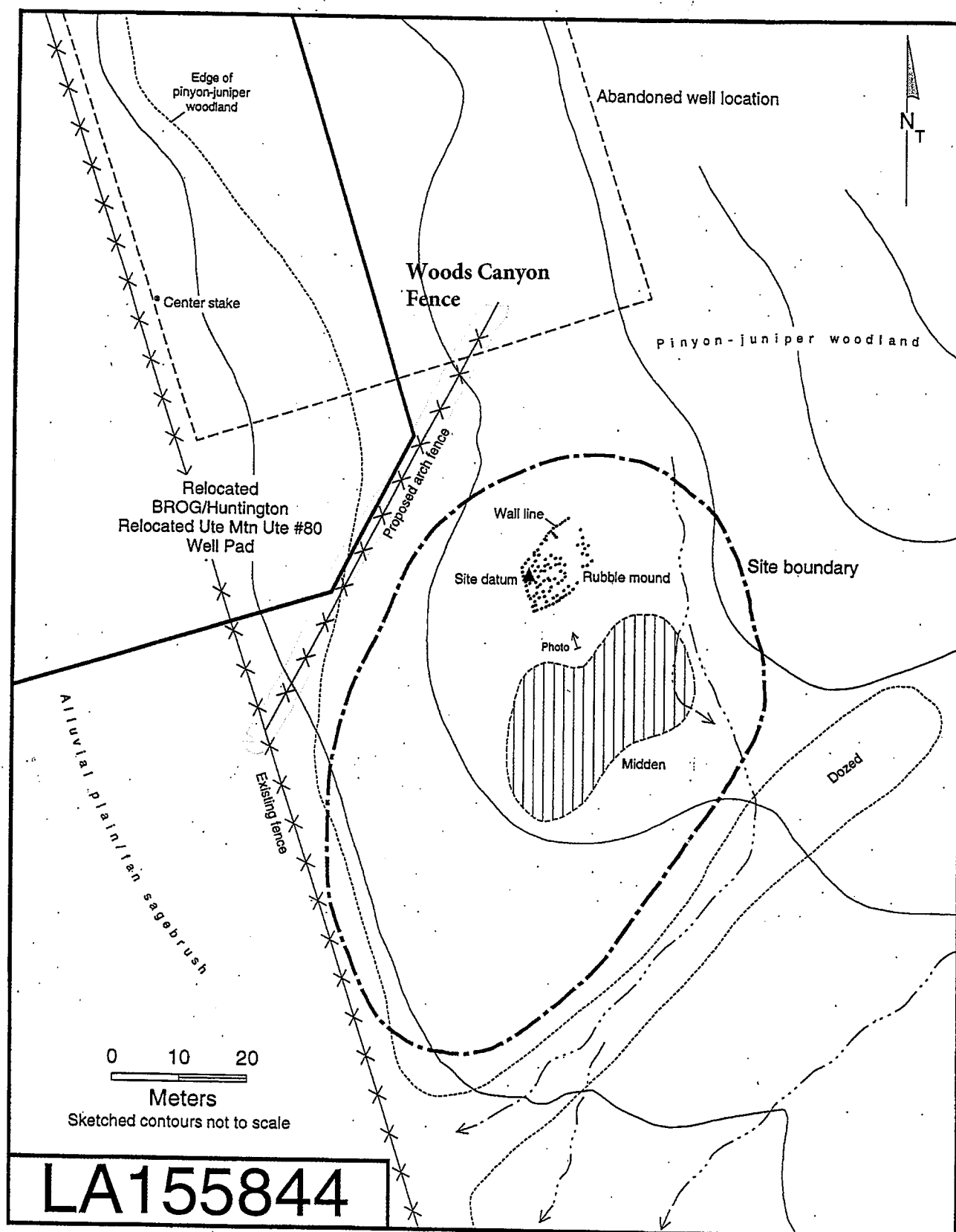


Figure 6. Site plan: LA155844



12/12/19

umu80



## Analytical Report

### Report Summary

Client: Huntington Energy LLC

Samples Received: 12/12/2019

Job Number: 06111-0028

Work Order: P912033

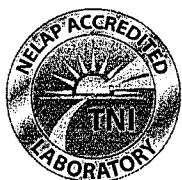
Project Name/Location: Ute Mountain Ute  
#80-Background Sampling

Report Reviewed By:

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

Date: 12/19/19

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.  
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.  
Envirotech, Inc. holds the Utah TNI certification NM009792018-1 for the data reported.  
Envirotech, Inc. holds the Texas TNI certification T104704557-19-2 for the data reported.

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Ph (505) 632-0615 Fx (505) 632-1865

24 Hour Emergency Response Phone (800) 362-1879

envirotech-inc.com

Labadmin@envirotech-inc.com

Page 1 of 6



Huntington Energy LLC  
908 NW 71st St.  
Oklahoma City OK, 73116

Project Name: Ute Mountain Ute #80-Background Sampling  
Project Number: 06111-0028  
Project Manager: Felipe Aragon

**Reported:**  
12/19/19 11:18

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
UMU #80	P912033-01A	Soil	12/12/19	12/12/19	Glass Jar, 4 oz.

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Page 2 of 6



Huntington Energy LLC  
908 NW 71st St.  
Oklahoma City OK, 73116

Project Name: Ute Mountain Ute #80-Background Sampling  
Project Number: 06111-0028  
Project Manager: Felipe Aragon

Reported:  
12/19/19 11:18

**UMU #80**  
**P912033-01 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-------	-------	----------	-------	----------	----------	--------	-------

**Total Metals by 6010**

Arsenic	3.54	0.500	mg/kg	1	1950028	12/13/19	12/17/19	EPA 6010C	
---------	------	-------	-------	---	---------	----------	----------	-----------	--

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Page 3 of 6



Huntington Energy LLC  
908 NW 71st St.  
Oklahoma City OK, 73116

Project Name: Ute Mountain Ute #80-Background Sampling  
Project Number: 06111-0028  
Project Manager: Felipe Aragon

Reported:  
12/19/19 11:18

### Total Metals by 6010 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1950028 - Metals Solid Hotblock Digestion EPA 3050B/200.2</b>										
<b>Blank (1950028-BLK1)</b>				Prepared: 12/13/19 0 Analyzed: 12/17/19 1						
Arsenic	ND	0.500	mg/kg							
<b>LCS (1950028-BS1)</b>				Prepared: 12/13/19 0 Analyzed: 12/17/19 1						
Arsenic	9.78	0.500	mg/kg	10.0		97.8	80-120			
<b>Matrix Spike (1950028-MS1)</b>				<b>Source: P912017-01</b>		Prepared: 12/13/19 0 Analyzed: 12/17/19 1				
Arsenic	11.3	0.500	mg/kg	10.0	1.78	95.3	75-125			
<b>Matrix Spike Dup (1950028-MSD1)</b>				<b>Source: P912017-01</b>		Prepared: 12/13/19 0 Analyzed: 12/17/19 1				
Arsenic	10.8	0.500	mg/kg	10.0	1.78	90.6	75-125	4.22	20	

#### QC Summary Report

##### Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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Huntington Energy LLC  
908 NW 71st St.  
Oklahoma City OK, 73116

Project Name: Ute Mountain Ute #80-Background Sampling  
Project Number: 06111-0028  
Project Manager: Felipe Aragon

Reported:  
12/19/19 11:18

#### Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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

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[illegible]

Three Springs - 65 Huerfano Street, Suite 115, Durango, CO 81301

Ph (905) 632-0615	F (1305) 632-1865
Ph (970) 735-0615	F (1800) 362-1879

enrich@cs.cmu.edu  
Laboratory for Computer Science, Inc.



## Analytical Report

### Report Summary

Client: Huntington Energy LLC

Samples Received: 10/15/2019

Job Number: 06111-0002

Work Order: P910072

Project Name/Location: UMU #80

Report Reviewed By:

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

Date: 10/22/19

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.  
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.  
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Huntington Energy LLC  
908 NW 71st St.  
Oklahoma City OK, 73116

Project Name: UMU #80  
Project Number: 06111-0002  
Project Manager: Robert Herritt

Reported:  
10/22/19 10:57

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
UMU #80 North	P910072-01A	Soil	10/15/19	10/15/19	Glass Jar, 4 oz.
UMU #80 South	P910072-02A	Soil	10/15/19	10/15/19	Glass Jar, 4 oz.
UMU #80 East	P910072-03A	Soil	10/15/19	10/15/19	Glass Jar, 4 oz.
UMU #80 West	P910072-04A	Soil	10/15/19	10/15/19	Glass Jar, 4 oz.
UMU #80 Mid	P910072-05A	Soil	10/15/19	10/15/19	Glass Jar, 4 oz.

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Huntington Energy LLC	Project Name:	UMU #80	
908 NW 71st St.	Project Number:	06111-0002	Reported:
Oklahoma City OK, 73116	Project Manager:	Robert Herritt	10/22/19 10:57

**UMU #80 North  
P910072-01 (Solid)**

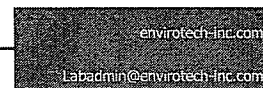
Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %		50-150	1942024	10/16/19	10/18/19	EPA 8021B	
<b>Nonhalogenated Organics by 8015 - DRO/ORO</b>									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1942028	10/16/19	10/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942028	10/16/19	10/19/19	EPA 8015D	
Surrogate: n-Nonane		113 %		50-200	1942028	10/16/19	10/19/19	EPA 8015D	
<b>Nonhalogenated Organics by 8015 - GRO</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.3 %		50-150	1942024	10/16/19	10/18/19	EPA 8015D	
<b>Total Metals by 6010</b>									
Arsenic	4.64	0.500	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Barium	152	6.25	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Cadmium	ND	0.250	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Chromium	8.85	0.500	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Lead	9.02	0.250	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Selenium	ND	1.25	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Silver	ND	0.250	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	

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Huntington Energy LLC  
908 NW 71st St.  
Oklahoma City OK, 73116

Project Name: UMU #80  
Project Number: 06111-0002  
Project Manager: Robert Herritt

Reported:  
10/22/19 10:57

**UMU #80 North**  
**P910072-01 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Anions by 300.0/9056A</b>									
Chloride	ND	20.0	mg/kg	1	1942050	10/18/19	10/18/19	EPA 300.0/9056A	
<b>Total Mercury by 7471B</b>									
Mercury	51.5	20.0	ug/kg	1	1942023	10/16/19	10/16/19	EPA 7471B	

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Huntington Energy LLC	Project Name:	UMU #80	
908 NW 71st St.	Project Number:	06111-0002	Reported:
Oklahoma City OK, 73116	Project Manager:	Robert Herritt	10/22/19 10:57

**UMU #80 South  
P910072-02 (Solid)**

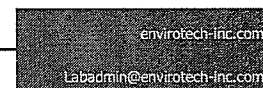
Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		95.3 %		50-150	1942024	10/16/19	10/18/19	EPA 8021B	
<b>Nonhalogenated Organics by 8015 - DRO/ORO</b>									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1942028	10/16/19	10/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942028	10/16/19	10/19/19	EPA 8015D	
Surrogate: n-Nonane		110 %		50-200	1942028	10/16/19	10/19/19	EPA 8015D	
<b>Nonhalogenated Organics by 8015 - GRO</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.0 %		50-150	1942024	10/16/19	10/18/19	EPA 8015D	
<b>Total Metals by 6010</b>									
Arsenic	4.48	0.500	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Barium	140	6.25	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Cadmium	ND	0.250	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Chromium	8.41	0.500	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Lead	8.34	0.250	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Selenium	ND	1.25	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Silver	ND	0.250	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	

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Huntington Energy LLC	Project Name:	UMU #80	
908 NW 71st St.	Project Number:	06111-0002	Reported:
Oklahoma City OK, 73116	Project Manager:	Robert Herritt	10/22/19 10:57

**UMU #80 South**  
**P910072-02 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	1942050	10/18/19	10/18/19	EPA 300.0/9056A	
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**Total Mercury by 7471B**

Mercury	64.0	20.0	ug/kg	1	1942023	10/16/19	10/16/19	EPA 7471B	
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Huntington Energy LLC	Project Name:	UMU #80	
908 NW 71st St.	Project Number:	06111-0002	Reported:
Oklahoma City OK, 73116	Project Manager:	Robert Herritt	10/22/19 10:57

**UMU #80 East**  
**P910072-03 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b><u>Volatile Organics by EPA 8021</u></b>									
Benzene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		95.0 %		50-150	1942024	10/16/19	10/18/19	EPA 8021B	
<b><u>Nonhalogenated Organics by 8015 - DRO/ORO</u></b>									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1942028	10/16/19	10/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942028	10/16/19	10/19/19	EPA 8015D	
Surrogate: n-Nonane		111 %		50-200	1942028	10/16/19	10/19/19	EPA 8015D	
<b><u>Nonhalogenated Organics by 8015 - GRO</u></b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.6 %		50-150	1942024	10/16/19	10/18/19	EPA 8015D	
<b><u>Total Metals by 6010</u></b>									
Arsenic	4.16	0.500	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Barium	119	6.25	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Cadmium	ND	0.250	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Chromium	9.40	0.500	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Lead	7.33	0.250	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Selenium	ND	1.25	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Silver	ND	0.250	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	

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Huntington Energy LLC	Project Name:	UMU #80	
908 NW 71st St.	Project Number:	06111-0002	Reported:
Oklahoma City OK, 73116	Project Manager:	Robert Herritt	10/22/19 10:57

**UMU #80 East**  
**P910072-03 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	1942050	10/18/19	10/18/19	EPA 300.0/9056A	
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**Total Mercury by 7471B**

Mercury	37.6	20.0	ug/kg	1	1942023	10/16/19	10/16/19	EPA 7471B	
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Huntington Energy LLC	Project Name:	UMU #80	Reported:
908 NW 71st St.	Project Number:	06111-0002	10/22/19 10:57
Oklahoma City OK, 73116	Project Manager:	Robert Herritt	

**UMU #80 West  
P910072-04 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		92.9 %		50-150	1942024	10/16/19	10/18/19	EPA 8021B	
<b>Nonhalogenated Organics by 8015 - DRO/ORO</b>									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1942028	10/16/19	10/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942028	10/16/19	10/19/19	EPA 8015D	
Surrogate: n-Nonane		117 %		50-200	1942028	10/16/19	10/19/19	EPA 8015D	
<b>Nonhalogenated Organics by 8015 - GRO</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.6 %		50-150	1942024	10/16/19	10/18/19	EPA 8015D	
<b>Total Metals by 6010</b>									
Arsenic	4.36	0.500	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Barium	131	6.25	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Cadmium	ND	0.250	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Chromium	8.82	0.500	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Lead	9.14	0.250	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Selenium	ND	1.25	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Silver	ND	0.250	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	

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Huntington Energy LLC	Project Name:	UMU #80	
908 NW 71st St.	Project Number:	06111-0002	Reported:
Oklahoma City OK, 73116	Project Manager:	Robert Herritt	10/22/19 10:57

**UMU #80 West**  
**P910072-04 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Anions by 300.0/9056A</b>									
Chloride	ND	20.0	mg/kg	1	1942050	10/18/19	10/18/19	EPA 300.0/9056A	
<b>Total Mercury by 7471B</b>									
Mercury	55.4	20.0	ug/kg	1	1942023	10/16/19	10/16/19	EPA 7471B	

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Huntington Energy LLC	Project Name:	UMU #80	
908 NW 71st St.	Project Number:	06111-0002	Reported:
Oklahoma City OK, 73116	Project Manager:	Robert Herritt	10/22/19 10:57

**UMU #80 Mid**  
**P910072-05 (Solid)**

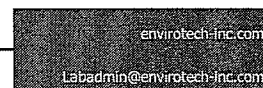
Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %		50-150	1942024	10/16/19	10/18/19	EPA 8021B	
<b>Nonhalogenated Organics by 8015 - DRO/ORO</b>									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1942028	10/16/19	10/19/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1942028	10/16/19	10/19/19	EPA 8015D	
Surrogate: n-Nonane		113 %		50-200	1942028	10/16/19	10/19/19	EPA 8015D	
<b>Nonhalogenated Organics by 8015 - GRO</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1942024	10/16/19	10/18/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.4 %		50-150	1942024	10/16/19	10/18/19	EPA 8015D	
<b>Total Metals by 6010</b>									
Arsenic	4.98	0.500	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Barium	170	6.25	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Cadmium	ND	0.250	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Chromium	9.04	0.500	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Lead	9.48	0.250	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Selenium	ND	1.25	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	
Silver	ND	0.250	mg/kg	1	1942029	10/16/19	10/16/19	EPA 6010C	

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Huntington Energy LLC	Project Name:	UMU #80	
908 NW 71st St.	Project Number:	06111-0002	Reported:
Oklahoma City OK, 73116	Project Manager:	Robert Herritt	10/22/19 10:57

**UMU #80 Mid**  
**P910072-05 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Anions by 300.0/9056A**

Chloride	24.3	20.0	mg/kg	1	1942050	10/18/19	10/18/19	EPA 300.0/9056A	
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**Total Mercury by 7471B**

Mercury	68.4	20.0	ug/kg	1	1942023	10/16/19	10/16/19	EPA 7471B	
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Huntington Energy LLC	Project Name:	UMU #80	
908 NW 71st St.	Project Number:	06111-0002	Reported:
Oklahoma City OK, 73116	Project Manager:	Robert Herritt	10/22/19 10:57

## Volatile Organics by EPA 8021 - Quality Control

## Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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## Batch 1942024 - Purge and Trap EPA 5030A

## Blank (1942024-BLK1)

Prepared: 10/16/19 0 Analyzed: 10/17/19 1

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							

Surrogate: 4-Bromochlorobenzene-PID 7.33 " 8.00 91.6 50-150

## LCS (1942024-BS1)

Prepared: 10/16/19 0 Analyzed: 10/17/19 1

Benzene	5.13	0.0250	mg/kg	5.00		103	70-130			
Toluene	5.12	0.0250	"	5.00		102	70-130			
Ethylbenzene	5.11	0.0250	"	5.00		102	70-130			
p,m-Xylene	10.2	0.0500	"	10.0		102	70-130			
o-Xylene	5.11	0.0250	"	5.00		102	70-130			
Total Xylenes	15.3	0.0250	"	15.0		102	70-130			

Surrogate: 4-Bromochlorobenzene-PID 7.47 " 8.00 93.4 50-150

## Matrix Spike (1942024-MS1)

Source: P910071-01

Prepared: 10/16/19 0 Analyzed: 10/17/19 1

Benzene	6.45	0.0250	mg/kg	5.00	ND	129	54.3-133			
Toluene	6.44	0.0250	"	5.00	ND	129	61.4-130			
Ethylbenzene	6.44	0.0250	"	5.00	ND	129	61.4-133			
p,m-Xylene	12.9	0.0500	"	10.0	ND	129	63.3-131			
o-Xylene	6.46	0.0250	"	5.00	ND	129	63.3-131			
Total Xylenes	19.3	0.0250	"	15.0	ND	129	63.3-131			

Surrogate: 4-Bromochlorobenzene-PID 7.42 " 8.00 92.7 50-150

## Matrix Spike Dup (1942024-MSD1)

Source: P910071-01

Prepared: 10/16/19 0 Analyzed: 10/17/19 1

Benzene	4.92	0.0250	mg/kg	5.00	ND	98.3	54.3-133	26.9	20	R3
Toluene	4.91	0.0250	"	5.00	ND	98.2	61.4-130	26.9	20	R3
Ethylbenzene	4.91	0.0250	"	5.00	ND	98.2	61.4-133	27.0	20	R3
p,m-Xylene	9.82	0.0500	"	10.0	ND	98.2	63.3-131	26.8	20	R3
o-Xylene	4.92	0.0250	"	5.00	ND	98.5	63.3-131	26.9	20	R3
Total Xylenes	14.7	0.0250	"	15.0	ND	98.3	63.3-131	26.8	20	R3

Surrogate: 4-Bromochlorobenzene-PID 7.51 " 8.00 93.8 50-150

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Huntington Energy LLC	Project Name:	UMU #80	
908 NW 71st St.	Project Number:	06111-0002	Reported:
Oklahoma City OK, 73116	Project Manager:	Robert Herritt	10/22/19 10:57

## Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

## Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1942028 - DRO Extraction EPA 3570</b>										
<b>Blank (1942028-BLK1)</b>				Prepared: 10/16/19 1 Analyzed: 10/17/19 2						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	57.2		"	50.0		114	50-200			
<b>LCS (1942028-BS1)</b>				Prepared: 10/16/19 1 Analyzed: 10/17/19 2						
Diesel Range Organics (C10-C28)	535	25.0	mg/kg	500		107	38-132			
Surrogate: n-Nonane	55.1		"	50.0		110	50-200			
<b>Matrix Spike (1942028-MS1)</b>				Source: P910071-01		Prepared: 10/16/19 1 Analyzed: 10/17/19 2				
Diesel Range Organics (C10-C28)	553	25.0	mg/kg	500	ND	111	38-132			
Surrogate: n-Nonane	56.8		"	50.0		114	50-200			
<b>Matrix Spike Dup (1942028-MSD1)</b>				Source: P910071-01		Prepared: 10/16/19 1 Analyzed: 10/17/19 2				
Diesel Range Organics (C10-C28)	548	25.0	mg/kg	500	ND	110	38-132	0.997	20	
Surrogate: n-Nonane	55.7		"	50.0		111	50-200			

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Huntington Energy LLC	Project Name:	UMU #80	
908 NW 71st St.	Project Number:	06111-0002	Reported:
Oklahoma City OK, 73116	Project Manager:	Robert Herritt	10/22/19 10:57

## Nonhalogenated Organics by 8015 - GRO - Quality Control

## Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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## Batch 1942024 - Purge and Trap EPA 5030A

## Blank (1942024-BLK1)

Prepared: 10/16/19 0 Analyzed: 10/17/19 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		"	8.00		86.8	50-150			

## LCS (1942024-BS2)

Prepared: 10/16/19 0 Analyzed: 10/17/19 1

Gasoline Range Organics (C6-C10)	45.5	20.0	mg/kg	50.0		91.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.98		"	8.00		87.3	50-150			

## Matrix Spike (1942024-MS2)

Source: P910071-01

Prepared: 10/16/19 0 Analyzed: 10/17/19 1

Gasoline Range Organics (C6-C10)	47.2	20.0	mg/kg	50.0	ND	94.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		"	8.00		87.1	50-150			

## Matrix Spike Dup (1942024-MSD2)

Source: P910071-01

Prepared: 10/16/19 0 Analyzed: 10/17/19 1

Gasoline Range Organics (C6-C10)	48.4	20.0	mg/kg	50.0	ND	96.8	70-130	2.53	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.00		"	8.00		87.5	50-150			

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Huntington Energy LLC  
908 NW 71st St.  
Oklahoma City OK, 73116

Project Name: UMU #80  
Project Number: 06111-0002  
Project Manager: Robert Herritt

Reported:  
10/22/19 10:57

### Total Metals by 6010 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 1942029 - Metals Solid Hotblock Digestion EPA 3050B/200.2

##### Blank (1942029-BLK1)

Prepared & Analyzed: 10/16/19 1

Arsenic	ND	0.500	mg/kg
Barium	ND	6.25	"
Cadmium	ND	0.250	"
Chromium	ND	0.500	"
Lead	ND	0.250	"
Selenium	ND	1.25	"
Silver	ND	0.250	"

##### LCS (1942029-BS1)

Prepared & Analyzed: 10/16/19 1

Arsenic	11.9	0.500	mg/kg	12.5	94.9	80-120
Barium	288	6.25	"	313	92.1	80-120
Cadmium	6.05	0.250	"	6.25	96.7	80-120
Chromium	24.5	0.500	"	25.0	97.9	80-120
Lead	6.24	0.250	"	6.25	99.8	80-120
Selenium	29.8	1.25	"	31.3	95.4	80-120
Silver	2.28	0.250	"	2.50	91.1	80-120

##### Matrix Spike (1942029-MS1)

Source: P910055-01

Prepared & Analyzed: 10/16/19 1

Arsenic	13.1	0.500	mg/kg	12.5	2.97	80.8	75-125
Barium	383	6.25	"	313	126	82.2	75-125
Cadmium	4.70	0.250	"	6.25	ND	75.2	75-125
Chromium	27.9	0.500	"	25.0	6.49	85.7	75-125
Lead	10.0	0.250	"	6.25	5.09	79.0	75-125
Selenium	23.8	1.25	"	31.3	ND	76.2	75-125
Silver	1.90	0.250	"	2.50	ND	76.1	75-125

##### Matrix Spike Dup (1942029-MSD1)

Source: P910055-01

Prepared & Analyzed: 10/16/19 1

Arsenic	13.6	0.500	mg/kg	12.5	2.97	85.4	75-125	4.31	20
Barium	396	6.25	"	313	126	86.4	75-125	3.34	20
Cadmium	5.00	0.250	"	6.25	ND	79.9	75-125	6.14	20
Chromium	28.8	0.500	"	25.0	6.49	89.0	75-125	2.91	20
Lead	10.4	0.250	"	6.25	5.09	84.4	75-125	3.29	20
Selenium	25.3	1.25	"	31.3	ND	81.0	75-125	6.03	20
Silver	2.05	0.250	"	2.50	ND	82.0	75-125	7.46	20

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Huntington Energy LLC	Project Name:	UMU #80	
908 NW 71st St.	Project Number:	06111-0002	Reported:
Oklahoma City OK, 73116	Project Manager:	Robert Herritt	10/22/19 10:57

## Anions by 300.0/9056A - Quality Control

## Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1942050 - Anion Extraction EPA 300.0/9056A</b>										
<b>Blank (1942050-BLK1)</b>				Prepared & Analyzed: 10/18/19 1						
Chloride	ND	20.0	mg/kg							
<b>LCS (1942050-BS1)</b>				Prepared & Analyzed: 10/18/19 1						
Chloride	255	20.0	mg/kg	250		102	90-110			
<b>Matrix Spike (1942050-MS1)</b>				Source: P910071-01 Prepared & Analyzed: 10/18/19 1						
Chloride	255	20.0	mg/kg	250	ND	102	80-120			
<b>Matrix Spike Dup (1942050-MSD1)</b>				Source: P910071-01 Prepared & Analyzed: 10/18/19 1						
Chloride	256	20.0	mg/kg	250	ND	102	80-120	0.0626	20	

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Huntington Energy LLC	Project Name:	UMU #80	
908 NW 71st St.	Project Number:	06111-0002	Reported:
Oklahoma City OK, 73116	Project Manager:	Robert Herritt	10/22/19 10:57

## Total Mercury by 7471B - Quality Control

## Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1942023 - Mercury Solid Digestion KMNO4</b>										
<b>Blank (1942023-BLK1)</b>				Prepared: 10/16/19 0 Analyzed: 10/16/19 1						
Mercury	ND	20.0	ug/kg							
<b>LCS (1942023-BS1)</b>				Prepared: 10/16/19 0 Analyzed: 10/16/19 1						
Mercury	163	20.0	ug/kg	160		102	80-120			
<b>Matrix Spike (1942023-MS1)</b>				Source: P910037-01 Prepared: 10/16/19 0 Analyzed: 10/16/19 1						
Mercury	164	20.0	ug/kg	160	ND	102	80-120			
<b>Matrix Spike Dup (1942023-MSD1)</b>				Source: P910037-01 Prepared: 10/16/19 0 Analyzed: 10/16/19 1						
Mercury	161	20.0	ug/kg	160	ND	101	80-120	1.39	20	

## QC Summary Report

## Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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Huntington Energy LLC	Project Name:	UMU #80	
908 NW 71st St.	Project Number:	06111-0002	Reported:
Oklahoma City OK, 73116	Project Manager:	Robert Herritt	10/22/19 10:57

#### Notes and Definitions

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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

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### Project Information

### Chain of Custody

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## Chain of Custody

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**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 10021

CONDITIONS

Operator: HUNTINGTON ENERGY, LLC 908 N.W. 71st Street Oklahoma City, OK 73116	OGRID: 208706
	Action Number: 10021
	Action Type: [C-144] PIT Generic Plan (C-144)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	None	11/2/2021