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 NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD 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. 71st Street, Oklahoma City, OK 73116
Facility or well name: Canyon Largo Unit #328
API Number: 30-039-23266 OCD Permit Number:
U/L or Qtr/Qtr E Section 5 Township 24N Range 6W County: Rio Arriba
Center of Proposed Design: Latitude 36.34357 Longitude -107.49739 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: _____bbl Type of fluid: _____
Tank Construction material: _____
☐ 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 _____

Incorrect Water Information provided DTW Not > 500 & < 50' Closure most Stringent Standard

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.

NMOCD
DEC 20 2018
DISTRICT III

35

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__4' hogwire fence _____

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. ☐ Yes ☐ No ☐ NA
- ☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells

Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . ☐ Yes ☐ No ☐ NA
NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

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. **(Does not apply to below grade tanks)** ☐ Yes ☐ No
- Written confirmation or verification from the municipality; Written approval obtained from the municipality

Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** ☐ Yes ☐ No
- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

Within an unstable area. **(Does not apply to below grade tanks)** ☐ Yes ☐ No
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

Within a 100-year floodplain. **(Does not apply to below grade tanks)** ☐ Yes ☐ No
- FEMA map

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). ☐ Yes ☐ No
- Topographic map; Visual inspection (certification) of the proposed site

Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. ☐ Yes ☐ No
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

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.) ☐ Yes ☐ No
- Topographic map; Visual inspection (certification) of the proposed site

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 300feet 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_2S, 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. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ 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). - 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 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. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ 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

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)

OCD Representative Signature: _____ **Approval Date:** 1/2/2019

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

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:** _____

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: IEI, Permit # 01001010B; Envirotech, Permit # NM-01-0011
- ☒ Soil Backfilling and Cover Installation
- ☐ Re-vegetation Application Rates and Seeding Technique - Will not re-vegetate until well plugging is done.
- ☒ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude 36.34416 Longitude -107.49795 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: Catherine Smith Date: 12/17/18

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

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

Canyon Largo Unit #328
API#: 30-039-23266

The closure requirements for below-grade tanks include the general provisions of Paragraphs A, G, H, I, J, and K of 19.15.17.13 NMAC and the specific requirements of Paragraph E of 9.15.17.13 NMAC.

Closure Timelines:

1. HE shall close an existing BGT within the time periods provided in 19.15.17.13 NMAC, or by and earlier date that the division requires because of imminent danger to fresh water, public health or the environment. HE will close an existing BGT that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph 5 of Subsection I of 19.15.17.11 NMAC within 5 years after June 16, 2008, if not retrofitted to comply with Paragraph (1) through (4) of Subsection I of 19.15.17.11 NMAC.

   HE shall close a permitted BGT within 60 days of cessation of the BGT's operation or as required by the provisions of Subsection B of 19.15.17.17 NMAC in accordance with a closure plan the Division District Office approves.

   The BGT was removed and location filled in. Vanessa Fields and representatives from the Bureau of Land Management were onsite for soil testing. They observed the work that was being done to remove the contaminated dirt under the BGT.

2. HE shall submit closure notice prior to the implementation of any closure operations to the Division District Office and surface owners. HE shall notify surface owners by certified mail, return receipt requested. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records shall be provided in the Closure Report. HE will notify the Division District office at least 72 hours, but not more than one week prior to any closure operation. All operator information shall include the operator's name and the location to be closed by unit letter, section, township and range. If associated with a particular well, the notice shall include the well's name, number and API number. **Closure Notice was sent via email to BLM/NMOCD – certified mail not required for Federal lands. The BLM was notified by email along with NMOCD when soil testing was done both times. Both agencies were onsite for testing.**

Closure Method & Procedures:

1. Remove liquids and sludge from a BGT prior to implementing a closure method. Contaminated soil and liquids from pit will be disposed at IEI, Permit # 01001010B Contaminated soil will be disposed at Envirotech, Permit # NM-01-0011.

Contaminated soil and fluids disposed of at IEI, Permit # 01001010B and Envirotech, Permit #: NM-01-0011.

2. HE will obtain prior approval from the OCD to dispose, recycle, reuse, or reclaim the BGT.
   Vanessa Fields was notified at the initial sight of contaminated soil, so the NMOCD was aware of the work being done at the location.

3. All on-site related equipment with a BGT shall be removed unless equipments is required for some other purpose. **BGT equipment was removed from the site.**

4. If the liner material requires disposal, HE will clean the liner (as per subparagraph (m) of paragraph (1) of Subsection C of 19.15.35.8 NMAC), and can be accepted at a solid waste facility at IEI. **N/A.**

5. HE shall test the soils beneath the below-grade tank to determine whether a release has occurred. HE shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyze for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods8021B or 8260B or other EPA method that the division approves, does not exceed 0.2mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 100 mg/kg; and the chloride concentration, as determined by EPA method 300.1 or other EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. HE shall notify the division of its results on form C-141. **The BLM and NMOCD were aware of the contaminated soil and were at the location when the soil samples were taken. Soil sample report is attached from Envirotech. Form C-141 has been filed with the NMOCD.**

6. If we determine a release has occurred, we will comply with 19.15.29 NMAC and 19.15.30 NMAC. **The BLM and NMOCD were notified of the contaminated soil. Form C-141 has been filed along with a log showing the daily log of work being done at the location.**

7. If sampling program demonstrates that release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, then HE shall backfill the excavation with compacted, non-waste earthen material, construct a division prescribed soil cover, and re-contour and re-vegetate the site, as per Subsection G, H and I of 19.15.17.13 NMAC.
   BGT was filled in with clean soil from Envirotech. The site will not be re-seeded until the well is plugged and abandoned.

8. Once HE has closed the BGT location, including associated access roads to a safe and stable condition that blends with the surrounding undisturbed area, HE will then restore the surface are to prior conditions before operations as provided in Subsection H of 19.15.17.13 NMAC. **Surface area has been restored. Pictures attached.**

9. The soil cover for closure shall consist of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater. HE will construct the soil cover to the site's existing grade and prevent ponding of water and erosion of the cover material. **Soil cover has been established and will prevent ponding of water and erosion.**

10. Re-vegetation: the first growing season after HE closes a BGT, HE shall seed or plant the disturbed area. HE shall accomplish seeding by drilling on the contour whenever practical or by other division-approved methods. HE shall obtain vegetative cover that equals 70% of the native perennial vegetative cover (un-impacted by overgrazing, fire or other intrusion damaging to native vegetation) consisting of at least three native pant species, including at lease one grass, but not including noxious weeds, and maintain the cover through two successive growing seasons. During the two growing seasons that prove viability, there shall be no artificial irrigation of the vegetation. HE shall repeat seeding or planting until the required vegetative cover is achieved. HE shall notify the division when it has seeded or planted and when successful re-vegetation has occurred. **No re-seeding will be done at this time. Re-seeding will be done when well is plugged and abandoned.**

11. Closure Report: Within 60 days of closure, HE shall submit a closure report on form C-144/Checklist Box 24, with the following attachments: Proof of Closure Notice (surface owner and division); Proof of Deed Notice; Plot Plan, Confirmation Sampling Analytical Results (if applicable); Waste Material Sampling Analytical Results, Disposal Facility Name and Permit Number; Soil Backfilling and Cover Installation; Re-vegetation Application Rates and Seeding Technique; Site Reclamation (Photo Documentation); and Latitude and Longitude of site. **C-144 and additional documents are enclosed.**

State of New Mexico
Oil Conservation Division

Incident ID	
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?	540 (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.

State of New Mexico
Oil Conservation Division

Incident ID	
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: Catherine Smith Title: Regulatory

Signature: Catherine Smith Date: 12/17/2018

email: csmith@huntingtonenergy.com Telephone: 405-840-9876

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
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)

*No Remediation Plan. After discovery, the contamination cleanup began immediately.

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: Catherine Smith Title: Regulatory

Signature: Catherine Smith Date: 12/17/18

email: csmith@huntingtonenergy.com Telephone: 405-840-9876

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	
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.***

[X] A scaled site and sampling diagram as described in 19.15.29.11 NMAC

[X] 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)

[X] Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

[X] 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: Catherine Smith Title: Regulatory

Signature: Catherine Smith Date: 12/17/18

email: csmith@huntingtonenergy.com Telephone: 405-840-9876

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: _____

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Huntington Energy LLC

Chain Of Custody Number:

Samples Received: 11/7/2018 1:35:00PM

Job Number: 06111-0002

Work Order: P811020

Project Name/Location: CLU 328

Report Reviewed By: Walter Hinchman Date: 11/9/18

Walter Hinchman, Laboratory Director

Date: 11/9/18

Tim Cain, Project Manager

NELAP ACCREDITED TNI LABORATORY

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, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

envirotech
Analytical Laboratory

Huntington Energy LLC	Project Name:	CLU 328	
908 NW 71st St.	Project Number:	06111-0002	**Reported:**
Oklahoma City OK, 73116	Project Manager:	Cathy Smith	11/09/18 15:37

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
South Wall CLU 328	P811020-01A	Soil	11/07/18	11/07/18	Glass Jar, 4 oz.
North Wall CLU 328	P811020-02A	Soil	11/07/18	11/07/18	Glass Jar, 4 oz.
West Wall CLU 328	P811020-03A	Soil	11/07/18	11/07/18	Glass Jar, 4 oz.
Base CLU 328	P811020-04A	Soil	11/07/18	11/07/18	Glass Jar, 4 oz.

envirotech
Analytical Laboratory

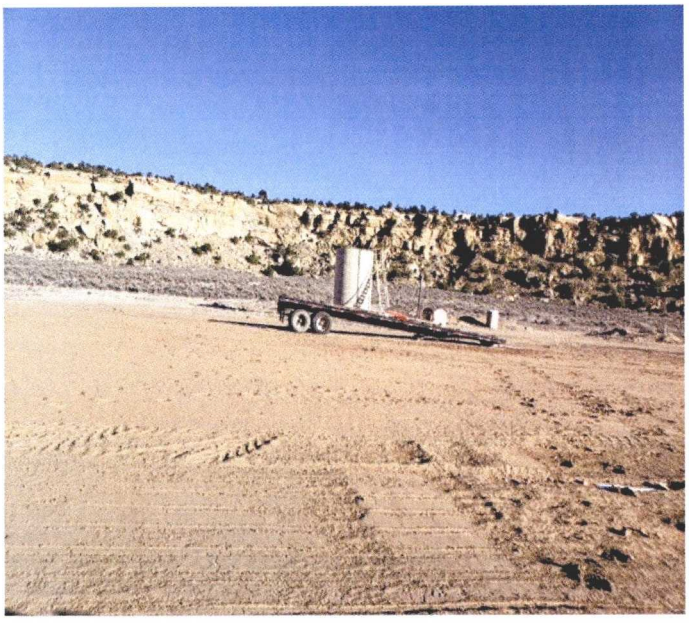
Huntington Energy LLC	Project Name:	CLU 328	
908 NW 71st St.	Project Number:	06111-0002	**Reported:**
Oklahoma City OK, 73116	Project Manager:	Cathy Smith	11/09/18 15:37

South Wall CLU 328
P811020-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Toluene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Ethylbenzene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
p,m-Xylene	ND	50.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
o-Xylene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Total Xylenes	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*		*1845022*	*11/07/18*	*11/07/18*	*EPA 8260B*	
Surrogate: Toluene-d8		*100 %*	*70-130*		*1845022*	*11/07/18*	*11/07/18*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*		*1845022*	*11/07/18*	*11/07/18*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1845022	11/07/18	11/07/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1845023	11/07/18	11/08/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1845023	11/07/18	11/08/18	EPA 8015D	
Surrogate: n-Nonane		*77.5 %*	*50-200*		*1845023*	*11/07/18*	*11/08/18*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4-MS		*103 %*	*70-130*		*1845022*	*11/07/18*	*11/07/18*	*EPA 8015D*	
Surrogate: Toluene-d8-MS		*93.5 %*	*70-130*		*1845022*	*11/07/18*	*11/07/18*	*EPA 8015D*	
Surrogate: Bromofluorobenzene-MS		*85.8 %*	*70-130*		*1845022*	*11/07/18*	*11/07/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1845028	11/08/18	11/08/18	EPA 300.0/9056A	

CANYON LARGO UNIT #328
API#; 30-039-23266
SEC 5-24N-6W
RIO ARRBA CO., NM

BGT CLOSURE: 11/27/2018



Cathy Smith

From: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Sent: Tuesday, November 13, 2018 12:34 PM
To: Cathy Smith
Subject: RE: Huntington Energy, CLU 328 and CLU 337, P811020 and P811021

Sounds good. I am sure Ron will be very happy.

Vanessa Fields
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 119
Cell: (505) 419-0463
vanessa.fields@state.nm.us

From: Cathy Smith <Csmith@huntingtonenergy.com>
Sent: Tuesday, November 13, 2018 10:55 AM
To: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Subject: [EXT] RE: Huntington Energy, CLU 328 and CLU 337, P811020 and P811021

We will start filling in the hole! I am sure Ron will be so happy when that is done.

Have a great week.
Cathy

From: Fields, Vanessa, EMNRD [mailto:Vanessa.Fields@state.nm.us]
Sent: Tuesday, November 13, 2018 8:11 AM
To: Cathy Smith <Csmith@huntingtonenergy.com>
Subject: RE: Huntington Energy, CLU 328 and CLU 337, P811020 and P811021

You are good to go on these.

Thank you,

Vanessa Fields
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 119
Cell: (505) 419-0463
vanessa.fields@state.nm.us

From: Cathy Smith <Csmith@huntingtonenergy.com>
Sent: Tuesday, November 13, 2018 7:10 AM
To: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Subject: [EXT] RE: Huntington Energy, CLU 328 and CLU 337, P811020 and P811021

I will send the results when the C-141 is filed. I just wanted to send the information to you first to make sure we were good on our sampling.

Have a great week!
Cathy

From: Fields, Vanessa, EMNRD [mailto:Vanessa.Fields@state.nm.us]
Sent: Tuesday, November 13, 2018 8:08 AM
To: Cathy Smith <Csmith@huntingtonenergy.com>; Adeloye, Abiodun <aadeloye@blm.gov>; Leigh Thomas <l1thomas@blm.gov>; Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Ron Lackey (rclackey1@netzero.net) <rclackey1@netzero.net>; Robert Herritt <RHerritt@huntingtonenergy.com>
Subject: RE: Huntington Energy, CLU 328 and CLU 337, P811020 and P811021

Good morning Cathy,

Please submit all analytical results with your final C-141.

Thank you,

Vanessa Fields
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 119
Cell: (505) 419-0463
vanessa.fields@state.nm.us

From: Cathy Smith <Csmith@huntingtonenergy.com>
Sent: Saturday, November 10, 2018 9:34 AM
To: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; Adeloye, Abiodun <aadeloye@blm.gov>; Leigh Thomas <l1thomas@blm.gov>; Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Ron Lackey (rclackey1@netzero.net) <rclackey1@netzero.net>; Robert Herritt <RHerritt@huntingtonenergy.com>
Subject: [EXT] Huntington Energy, CLU 328 and CLU 337, P811020 and P811021

Please see attached final reports from sampling for the CLU 328 & 337.

Thank you.

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

Cathy Smith

From: Cathy Smith
Sent: Wednesday, September 26, 2018 1:27 PM
To: 'jwsavage@blm.gov'
Subject: Canyon Largo Unit #328

Jack,

We are closing the BGT on the Canyon Largo Unit #328, API# 30-039-23266, Sec 5-24N-6W, Rio Arriba Co., NM. I am filing the C-144 with the NMOCD today. The NMOCD will need to approve the C-144 and the sampling before we can close the BGT pit. I will get online today and file a Sundry regarding the closing.

Thank you.

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

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Huntington Energy LLC
Chain Of Custody Number:
Samples Received: 11/7/2018 1:35:00PM
Job Number: 06111-0002
Work Order: P811020
Project Name/Location: CLU 328

Report Reviewed By: Date: 11/9/18

Walter Hinchman, Laboratory Director

Date: 11/9/18

Tim Cain, Project Manager

NELAP ACCREDITED TNI LABORATORY

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Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

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Analytical Laboratory

Huntington Energy LLC	Project Name:	CLU 328	
908 NW 71st St.	Project Number:	06111-0002	**Reported:**
Oklahoma City OK, 73116	Project Manager:	Cathy Smith	11/09/18 15:37

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
South Wall CLU 328	P811020-01A	Soil	11/07/18	11/07/18	Glass Jar, 4 oz.
North Wall CLU 328	P811020-02A	Soil	11/07/18	11/07/18	Glass Jar, 4 oz.
West Wall CLU 328	P811020-03A	Soil	11/07/18	11/07/18	Glass Jar, 4 oz.
Base CLU 328	P811020-04A	Soil	11/07/18	11/07/18	Glass Jar, 4 oz.

Huntington Energy LLC	Project Name:	CLU 328	
908 NW 71st St.	Project Number:	06111-0002	**Reported:**
Oklahoma City OK, 73116	Project Manager:	Cathy Smith	11/09/18 15:37

South Wall CLU 328
P811020-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Toluene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Ethylbenzene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
p,m-Xylene	ND	50.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
o-Xylene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Total Xylenes	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*100 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8260B*	
Surrogate: Toluene-d8		*100 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*97.4 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1845022	11/07/18	11/07/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1845023	11/07/18	11/08/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1845023	11/07/18	11/08/18	EPA 8015D	
Surrogate: n-Nonane		*77.5 %*		*50-200*	*1845023*	*11/07/18*	*11/08/18*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4-MS		*103 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8015D*	
Surrogate: Toluene-d8-MS		*93.5 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8015D*	
Surrogate: Bromofluorobenzene-MS		*85.8 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1845028	11/08/18	11/08/18	EPA 300.0/9056A	

Huntington Energy LLC	Project Name:	CLU 328	
908 NW 71st St.	Project Number:	06111-0002	**Reported:**
Oklahoma City OK, 73116	Project Manager:	Cathy Smith	11/09/18 15:37

North Wall CLU 328

P811020-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Toluene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Ethylbenzene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
p,m-Xylene	ND	50.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
o-Xylene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Total Xylenes	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8260B*	
Surrogate: Toluene-d8		*100 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*97.9 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1845022	11/07/18	11/07/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1845023	11/07/18	11/08/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1845023	11/07/18	11/08/18	EPA 8015D	
Surrogate: n-Nonane		*108 %*		*50-200*	*1845023*	*11/07/18*	*11/08/18*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4-MS		*103 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8015D*	
Surrogate: Toluene-d8-MS		*92.8 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8015D*	
Surrogate: Bromofluorobenzene-MS		*84.9 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**24.8**	20.0	mg/kg	1	1845028	11/08/18	11/08/18	EPA 300.0/9056A	

Huntington Energy LLC	Project Name:	CLU 328	
908 NW 71st St.	Project Number:	06111-0002	**Reported:**
Oklahoma City OK, 73116	Project Manager:	Cathy Smith	11/09/18 15:37

West Wall CLU 328

P811020-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Toluene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Ethylbenzene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
p,m-Xylene	ND	50.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
o-Xylene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Total Xylenes	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8260B*	
Surrogate: Toluene-d8		*98.6 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*96.8 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1845022	11/07/18	11/07/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1845023	11/07/18	11/08/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1845023	11/07/18	11/08/18	EPA 8015D	
Surrogate: n-Nonane		*107 %*		*50-200*	*1845023*	*11/07/18*	*11/08/18*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4-MS		*103 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8015D*	
Surrogate: Toluene-d8-MS		*91.3 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8015D*	
Surrogate: Bromofluorobenzene-MS		*84.3 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1845028	11/08/18	11/08/18	EPA 300.0/9056A	

Huntington Energy LLC	Project Name:	CLU 328	
908 NW 71st St.	Project Number:	06111-0002	**Reported:**
Oklahoma City OK, 73116	Project Manager:	Cathy Smith	11/09/18 15:37

Base CLU 328

P811020-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Toluene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Ethylbenzene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
p,m-Xylene	ND	50.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
o-Xylene	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Total Xylenes	ND	25.0	ug/kg	1	1845022	11/07/18	11/07/18	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8260B*	
Surrogate: Toluene-d8		*98.7 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*96.3 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1845022	11/07/18	11/07/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1845023	11/07/18	11/08/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1845023	11/07/18	11/08/18	EPA 8015D	
Surrogate: n-Nonane		*103 %*		*50-200*	*1845023*	*11/07/18*	*11/08/18*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4-MS		*102 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8015D*	
Surrogate: Toluene-d8-MS		*91.4 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8015D*	
Surrogate: Bromofluorobenzene-MS		*85.0 %*		*70-130*	*1845022*	*11/07/18*	*11/07/18*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1845028	11/08/18	11/08/18	EPA 300.0/9056A	

Huntington Energy LLC	Project Name:	CLU 328	
908 NW 71st St.	Project Number:	06111-0002	**Reported:**
Oklahoma City OK, 73116	Project Manager:	Cathy Smith	11/09/18 15:37

Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1845022 - Purge and Trap EPA 5030A										
Blank (1845022-BLK1)				Prepared: 11/07/18 1 Analyzed: 11/07/18 2						
Benzene	ND	25.0	ug/kg							
Toluene	ND	25.0	"							
Ethylbenzene	ND	25.0	"							
p,m-Xylene	ND	50.0	"							
o-Xylene	ND	25.0	"							
Total Xylenes	ND	25.0	"							
Surrogate: 1,2-Dichloroethane-d4	*505*		"	*500*		*101*	*70-130*			
Surrogate: Toluene-d8	*494*		"	*500*		*98.8*	*70-130*			
Surrogate: Bromofluorobenzene	*480*		"	*500*		*96.0*	*70-130*			
LCS (1845022-BS1)				Prepared: 11/07/18 1 Analyzed: 11/07/18 2						
Benzene	2250	25.0	ug/kg	2500		89.9	70-130			
Toluene	2290	25.0	"	2500		91.7	70-130			
Ethylbenzene	2340	25.0	"	2500		93.7	70-130			
p,m-Xylene	4660	50.0	"	5000		93.1	70-130			
o-Xylene	2390	25.0	"	2500		95.5	70-130			
Total Xylenes	7040	25.0	"	7500		93.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	*513*		"	*500*		*103*	*70-130*			
Surrogate: Toluene-d8	*508*		"	*500*		*102*	*70-130*			
Surrogate: Bromofluorobenzene	*500*		"	*500*		*99.9*	*70-130*			
Matrix Spike (1845022-MS1)	**Source: P811020-01**			Prepared: 11/07/18 1 Analyzed: 11/07/18 2						
Benzene	2220	25.0	ug/kg	2500	ND	88.7	48-131			
Toluene	2230	25.0	"	2500	ND	89.2	48-130			
Ethylbenzene	2290	25.0	"	2500	ND	91.4	45-135			
p,m-Xylene	4550	50.0	"	5000	ND	91.0	43-135			
o-Xylene	2340	25.0	"	2500	ND	93.8	43-135			
Total Xylenes	6900	25.0	"	7500	ND	91.9	43-135			
Surrogate: 1,2-Dichloroethane-d4	*510*		"	*500*		*102*	*70-130*			
Surrogate: Toluene-d8	*505*		"	*500*		*101*	*70-130*			
Surrogate: Bromofluorobenzene	*503*		"	*500*		*101*	*70-130*			
Matrix Spike Dup (1845022-MSD1)	**Source: P811020-01**			Prepared: 11/07/18 1 Analyzed: 11/08/18 0						
Benzene	2330	25.0	ug/kg	2500	ND	93.2	48-131	4.90	23	
Toluene	2380	25.0	"	2500	ND	95.0	48-130	6.38	24	
Ethylbenzene	2450	25.0	"	2500	ND	97.8	45-135	6.74	27	
p,m-Xylene	4850	50.0	"	5000	ND	97.0	43-135	6.39	27	
o-Xylene	2490	25.0	"	2500	ND	99.6	43-135	6.00	27	
Total Xylenes	7340	25.0	"	7500	ND	97.9	43-135	6.26	27	
Surrogate: 1,2-Dichloroethane-d4	*509*		"	*500*		*102*	*70-130*			
Surrogate: Toluene-d8	*505*		"	*500*		*101*	*70-130*			

Huntington Energy LLC	Project Name:	CLU 328	
908 NW 71st St.	Project Number:	06111-0002	**Reported:**
Oklahoma City OK, 73116	Project Manager:	Cathy Smith	11/09/18 15:37

Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1845022 - Purge and Trap EPA 5030A										
Matrix Spike Dup (1845022-MSD1)	**Source: P811020-01**			Prepared: 11/07/18 1 Analyzed: 11/08/18 0						
Surrogate: Bromofluorobenzene	*484*		*ug/kg*	*500*		*96.7*	*70-130*			

Huntington Energy LLC	Project Name:	CLU 328	
908 NW 71st St.	Project Number:	06111-0002	**Reported:**
Oklahoma City OK, 73116	Project Manager:	Cathy Smith	11/09/18 15:37

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1845022 - Purge and Trap EPA 5030A										
Blank (1845022-BLK1)				Prepared: 11/07/18 1 Analyzed: 11/07/18 2						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4-MS	*0.517*		"	*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8-MS	*0.461*		"	*0.500*		*92.2*	*70-130*			
Surrogate: Bromofluorobenzene-MS	*0.424*		"	*0.500*		*84.8*	*70-130*			
LCS (1845022-BS2)				Prepared: 11/07/18 1 Analyzed: 11/07/18 2						
Gasoline Range Organics (C6-C10)	53.9	20.0	mg/kg	50.0		108	70-130			
Surrogate: 1,2-Dichloroethane-d4-MS	*0.637*		"	*0.500*		*127*	*70-130*			
Surrogate: Toluene-d8-MS	*0.430*		"	*0.500*		*86.0*	*70-130*			
Surrogate: Bromofluorobenzene-MS	*0.458*		"	*0.500*		*91.5*	*70-130*			
Matrix Spike (1845022-MS2)		**Source: P811020-01**		Prepared: 11/07/18 1 Analyzed: 11/08/18 0						
Gasoline Range Organics (C6-C10)	58.1	20.0	mg/kg	50.0	ND	116	70-130			
Surrogate: 1,2-Dichloroethane-d4-MS	*0.682*		"	*0.500*		*136*	*70-130*			*Surr1*
Surrogate: Toluene-d8-MS	*0.437*		"	*0.500*		*87.4*	*70-130*			
Surrogate: Bromofluorobenzene-MS	*0.462*		"	*0.500*		*92.4*	*70-130*			
Matrix Spike Dup (1845022-MSD2)		**Source: P811020-01**		Prepared: 11/07/18 1 Analyzed: 11/08/18 0						
Gasoline Range Organics (C6-C10)	52.9	20.0	mg/kg	50.0	ND	106	70-130	9.50	20	
Surrogate: 1,2-Dichloroethane-d4-MS	*0.633*		"	*0.500*		*127*	*70-130*			
Surrogate: Toluene-d8-MS	*0.430*		"	*0.500*		*86.0*	*70-130*			
Surrogate: Bromofluorobenzene-MS	*0.455*		"	*0.500*		*90.9*	*70-130*			

Huntington Energy LLC	Project Name:	CLU 328	
908 NW 71st St.	Project Number:	06111-0002	**Reported:**
Oklahoma City OK, 73116	Project Manager:	Cathy Smith	11/09/18 15:37

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1845023 - DRO Extraction EPA 3570										
Blank (1845023-BLK1)				Prepared: 11/07/18 1 Analyzed: 11/08/18 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40+)	ND	50.0	"							
Surrogate: n-Nonane	*42.8*		"	*50.0*		*85.6*	*50-200*			
LCS (1845023-BS1)				Prepared: 11/07/18 1 Analyzed: 11/08/18 1						
Diesel Range Organics (C10-C28)	486	25.0	mg/kg	500		97.1	38-132			
Surrogate: n-Nonane	*43.1*		"	*50.0*		*86.2*	*50-200*			
Matrix Spike (1845023-MS1)	**Source: P811020-01**			Prepared: 11/07/18 1 Analyzed: 11/08/18 1						
Diesel Range Organics (C10-C28)	460	25.0	mg/kg	500	ND	92.0	38-132			
Surrogate: n-Nonane	*36.7*		"	*50.0*		*73.4*	*50-200*			
Matrix Spike Dup (1845023-MSD1)	**Source: P811020-01**			Prepared: 11/07/18 1 Analyzed: 11/08/18 0						
Diesel Range Organics (C10-C28)	464	25.0	mg/kg	500	ND	92.7	38-132	0.761	20	
Surrogate: n-Nonane	*53.9*		"	*50.0*		*108*	*50-200*			

Huntington Energy LLC	Project Name:	CLU 328	
908 NW 71st St.	Project Number:	06111-0002	**Reported:**
Oklahoma City OK, 73116	Project Manager:	Cathy Smith	11/09/18 15:37

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
Batch 1845028 - Anion Extraction EPA 300.0/9056A										
Blank (1845028-BLK1)				Prepared & Analyzed: 11/08/18 1						
Chloride	ND	20.0	mg/kg							
LCS (1845028-BS1)				Prepared & Analyzed: 11/08/18 1						
Chloride	262	20.0	mg/kg	250		105	90-110			
Matrix Spike (1845028-MS1)		**Source: P811020-01**		Prepared & Analyzed: 11/08/18 1						
Chloride	271	20.0	mg/kg	250	ND	108	80-120			
Matrix Spike Dup (1845028-MSD1)		**Source: P811020-01**		Prepared & Analyzed: 11/08/18 1						
Chloride	274	20.0	mg/kg	250	ND	109	80-120	1.01	20	

Huntington Energy LLC	Project Name:	CLU 328	
908 NW 71st St.	Project Number:	06111-0002	**Reported:**
Oklahoma City OK, 73116	Project Manager:	Cathy Smith	11/09/18 15:37

Notes and Definitions

Surr1	Surrogate recovery was outside quality control limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

Project Information | Chain of Custody | Page 1 of 1

Page 13 of 13

Client:	Hunting Ten Energy LLC
Project:	ALU 328
Project Manager:	R Lackey
Address:	908 NW 71st Street
City, State, Zip	OKLA Homa City OK 73116
Phone:	405 840 9876 Ex 129 Cathy
Email:	C Smith @ huntingtonenergy.com

Report Attention

Report due by:	
Attention:	Cathy Smith
Address:	908 NW 71st Street
City, State, Zip	OKLA Homa City OK 73116
Phone:	405-840-9876 Ex 129
Email:	C Smith @ huntingtonenergy.com

Lab Use Only

Lab WO#	Job Number	TAT 1D	TAT 3D	EPA Program RCRA	EPA Program CWA	EPA Program SDW
P811020	01911-0002	✓				

State: NM | CO | UT | AZ

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	Remarks
10:13 AM	11-7-18		1	South Wall ALU 328	1	X	X	X			X		
10:21 AM	11-7-18		1	North Wall ALU 328	2	X	X	X			X		
10:25 AM	11-7-18		1	West Wall ALU 328	3	X	X	X			X		
10:22 AM	11-7-18		1	Base ALU 328	4	X	X	X			X		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Ron Lackey

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-7-18	4:35 PM		11-7-18	13:35
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

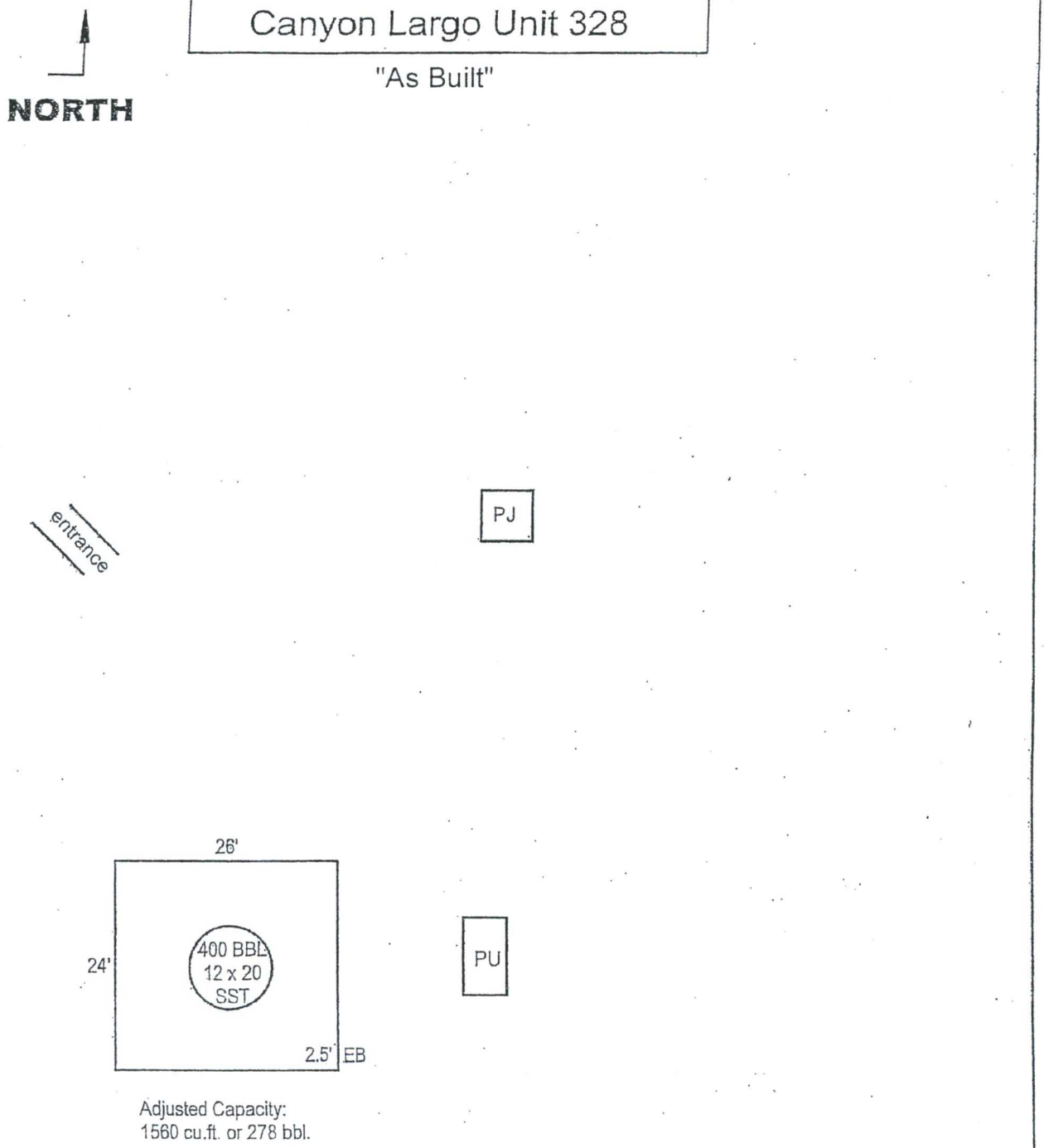
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above boratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 | Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 | Ph (970) 259-0615 | Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

Canyon Largo Unit 328

"As Built"



Adjusted Capacity:
1560 cu.ft. or 278 bbl.

Drawing not to scale

Huntington Energy	
API#: 30-039-23266; NMSF 078874	
Canyon Largo Unit 328	
Rio Arriba County, NM	
NW/4, Sec. 5-24N-6W	
N 36.34357	W 107.49739

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes
Effective 1-1

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
MERRION OIL & GAS CORPORATION	CANYON LARGO UNIT	328

Unit Letter	Section	Township	Range	County
E	5	24N	6W	Rio Arriba

Actual Footage Location of Well:
2000 feet from the North line and 820 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
6496	Gallup	Devils Fork Gallup Assoc. Ext.	~~160~~ 177.85 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

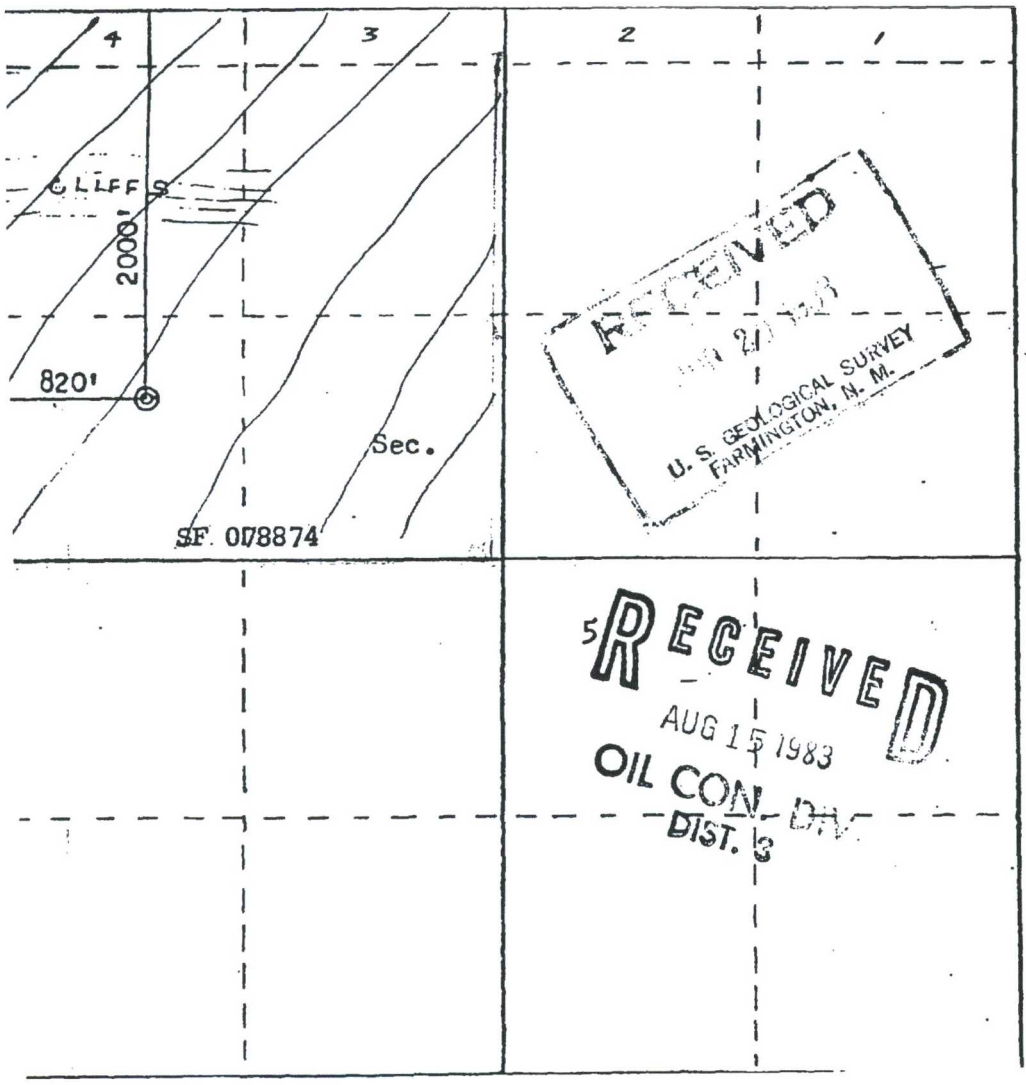
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to worki interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been conso dated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitizatio forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commi sion.



CERTIFICATION

I hereby certify that the information co tained herein is true and complete to th best of my knowledge and belief.

Name
Steve S. Dunn

Position
Operations Manager

Company
Merrion Oil & Gas Corporati

Date
7/20/83

I hereby certify that the well locatior shown on this plat was plotted from field notes of actual surveys made by me o under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
June 2, 1983

Registered Professional Engineer and Land Surveyor

Fred B. Kerr, Jr.

Certificate No.