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 August 1, 2011

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.
For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

9875

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

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

Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, 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 St., Oklahoma City, OK 73116_____
Facility or well name. __Ute Mountain Ute #113_____
API Number: 30-045-35317_____ OCD Permit Number. _____
U/L or Qtr/Qtr _E____ Section __22_____ Township __32N_____ Range __14W___ County: __San Juan_____
Center of Proposed Design Latitude _36.97702_____ Longitude ___-108 30242_____ NAD. ☐1927 ☒ 1983
Surface Owner ☐ Federal ☐ State ☐ Private ☒ Tribal Trust or Indian Allotment

2
☒ **Pit:** Subsection F or G of 19 15 17 11 NMAC
Temporary ☒ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A
☒ Lined ☐ Unlined Liner type Thickness __20___mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☒ String-Reinforced
Liner Seams ☒ Welded ☐ Factory ☐ Other _____ Volume _4000___bbl Dimensions L_90'_ x W_30' x D__8'_

RCVD APR 4'12
OIL CONS. DIV.
DIST. 3

3.
☐ **Closed-loop System:** Subsection H of 19 15 17 11 NMAC
Type of Operation ☐ P&A ☐ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other _____
☐ Lined ☐ Unlined Liner type: Thickness _____mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
Liner Seams ☐ Welded ☐ Factory ☐ Other _____

4
☐ **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 _____

5.
☐ **Alternative Method:**
Submittal of an exception request is required Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

30

6

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_____

7.

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)

8

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

9.

Administrative Approvals 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:

☐ Administrative approval(s). Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval

☐ Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval

10

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. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. **Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.**

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank - NM Office of the State Engineer - iWATERS database search, USGS; Data obtained from nearby wells	☐ Yes ☐ No
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 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. *(Applies to temporary, emergency, or cavitation pits and below-grade tanks)* - Visual inspection (certification) of the proposed site, Aerial photo; Satellite image	☐ Yes ☐ No ☐ NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application *(Applies to permanent pits)* - Visual inspection (certification) of the proposed site; Aerial photo, Satellite image	☐ Yes ☐ No ☐ NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, 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 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 500 feet of a wetland - US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection (certification) of the proposed site	☐ 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

11.

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 _____

12

Closed-loop Systems 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.

- ☐ Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15 17 9
- ☐ Siting Criteria Compliance Demonstrations (only for on-site closure) - 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 _____

☐ Previously Approved Operating and Maintenance Plan API Number _____ *(Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)*

13

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

14.

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 ☐ Closed-loop System ☐ 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 (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

15.

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 F 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 I of 19 15 17 13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC

16

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19 15 17.13 D NMAC)

Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name _____ Disposal Facility Permit Number _____

Disposal Facility Name _____ Disposal Facility Permit Number _____

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please provide the information below) ☐ No

Required for impacted areas which will not be used for future service and operations

☐ 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 I of 19.15 17 13 NMAC

☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC

17

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 may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 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 between 50 and 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
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 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 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 private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, 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
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 500 feet of a wetland - US Fish and Wildlife Wetland Identification map, Topographic map; Visual inspection (certification) of the proposed site	☐ 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

18

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 F of 19 15 17.13 NMAC

☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements 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 Subsection F of 19 15.17 13 NMAC

☐ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F 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 I of 19 15.17 13 NMAC

☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

19.

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. _____

20.

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

OCD Representative Signature: Brad D. Kelly **Approval Date:** 7/25/2012

Title: Compliance Officer **OCD Permit Number:** _____

21

Closure Report (required within 60 days of closure completion): Subsection K of 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:** 2/28/12

22

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

23

Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:

Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name _____ Disposal Facility Permit Number _____

Disposal Facility Name _____ Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

Required for impacted areas which will not be used for future service and operations

☐ Site Reclamation (Photo Documentation)

☐ Soil Backfilling and Cover Installation

☐ Re-vegetation Application Rates and Seeding Technique

24

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)

☒ 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 36.97702 Longitude -108 30242 NAD ☐1927 ☒ 1983

25

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. 3/30/2012

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

Submit To Appropriate District Office
Two Copies
District I
1625 N French Dr , Hobbs, NM 88240
District II
811 S First St , Artesia, NM 88210
District III
1000 Rio Brazos Rd , Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
Revised August 1, 2011

1 WELL API NO.
30-045-35317

2 Type of Lease
☐ STATE ☐ FEE ☒ FED/INDIAN

3 State Oil & Gas Lease No

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4 Reason for filing.

☐ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☒ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33, attach this and the plat to the C-144 closure report in accordance with 19 15 17 13 K NMAC)

5 Lease Name or Unit Agreement Name
Ute Mountain Ute

6 Well Number 113

7 Type of Completion
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER

8 Name of Operator Huntington Energy, L L C

9 OGRID 208706

10 Address of Operator 908 N W 71st St , Oklahoma City, OK 73116

11 Pool name or Wildcat

12 Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:										
BH:										

13 Date Spudded	14 Date T D Reached	15 Date Rig Released 11/25/2011	16 Date Completed (Ready to Produce)	17 Elevations (DF and RKB, RT, GR, etc)

18 Total Measured Depth of Well	19 Plug Back Measured Depth	20 Was Directional Survey Made?	21 Type Electric and Other Logs Run

22 Producing Interval(s), of this completion - Top, Bottom, Name

23 **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB /FT	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

24 LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25 TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26 Perforation record (interval, size, and number)

27 ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

28 **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod or Shut-in)*

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl	Gas - Oil Ratio

Flow Tubing Press	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - *(Corr)*

29 Disposition of Gas *(Sold, used for fuel, vented, etc)*

30 Test Witnessed By

31 List Attachments

32 If a temporary pit was used at the well, attach a plat with the location of the temporary pit

33 If an on-site burial was used at the well, report the exact location of the on-site burial

Latitude Longitude NAD 1927 1983

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Catherine Smith Printed Name Catherine Smith Title Regulatory Date 3/28/2012

E-mail Address: csmith@huntingtonenergy.com

CARDINAL Laboratories

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

Analytical Results For:

INDUSTRIAL ECOSYSTEMS
MARCELLA MARQUEZ
49 CR 3150
AZTEC NM, 87410
Fax To: (505) 632-1876

Received:	02/28/2012	Sampling Date:	02/24/2012
Reported:	03/05/2012	Sampling Type:	Water
Project Name:	HUNTINGTON	Sampling Condition:	Cool & Intact
Project Number:	10352	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: UTE MTN UTE 113 (H200516-02)

BTEX 8021B mg/L **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.003**	0.001	03/01/2012	ND	0.047	93.5	0.0500	1.74	
Toluene*	**0.006**	0.001	03/01/2012	ND	0.049	97.3	0.0500	1.51	
Ethylbenzene*	<0.001	0.001	03/01/2012	ND	0.050	99.2	0.0500	2.45	
Total Xylenes*	**0.006**	0.003	03/01/2012	ND	0.153	102	0.150	2.42	
Surrogate: 4-Bromofluorobenzene (PIL	*102 %*	*70 7-118*							

TPH 8015M mg/L **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<1.00	1.00	03/01/2012	ND	36.9	73.7	50.0	11.8	
DRO >C10-C28	**8.64**	1.00	03/01/2012	ND	32.3	64.6	50.0	12.0	
Surrogate: 1-Chlorooctane	*76.9 %*	*49.8-167*							
Surrogate: 1-Chlorooctadecane	*89.9 %*	*56.6-166*							

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Cathy Smith

From: Cathy Smith
Sent: Friday, February 24, 2012 10:49 AM
To: mark_kelly@blm.gov; brandon.powell@state.nm.us
Cc: 'rclackey1@netzero com'
Subject: Notice of Pit Closure-Huntignton Energy, L.L.C. - Ute Mountain Ute #113 & 114

Notice of Pit Closure per NMOCD pit rule:

Ute Mountain Ute #113
I22IND2772
30-045-35317
NW/4 Lot E, Sec 22-32N-14W
1393' FNL & 901' FWL
San Juan Co., NM
Rig Release: 11/25/11

Ute Mountain Ute #114
I22IND2772
30-045-35321
SW/4 Lot L, Sec 15-32N-14W
2386' FSL & 895' FWL
San Juan Co., NM
Rig Release: 12/01/11

Thank you.

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

Ute Mountain Ute #113
Huntington Energy, L.L.C.
San Juan Basin-Ute Mountain Ute
Pit Closure Report

In accordance with Rule 19 15.17 12 NMAC the following information describes the closure requirements of temporary pits on Huntington Energy, L L.C (HE) locations This is HE's standard procedure for all temporary pits A separate plan will be submitted for any temporary pit which does not conform to this plan.

All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of pit Closure report will be filed on C-144 and include the following

- Details on Capping and Covering, where applicable.
- Plot Plan (Pit Diagram) – **C102 w/pit on diagram - attached**
- Inspection Reports - **Attached**
- Sampling Results – **Cardinal Laboratories– attached**
- C-105 – **Attached**
- Copy of Deed Notice will be filed with County Clerk **N/A**

General Plan:

1. All free standing liquids will be removed at the start of the pit closure process from the pit and disposed of in a division-approved facility or recycle, reuse or reclaim the liquids in a manner that the appropriate division district office approves The facilities to be used for liquids will be IEI – NM-010010B & Basin Disposal permit # NM-01-00, and IEI will be used for solids (#01001010B). **All recovered liquids were disposed of at Basin Disposal and solids were sent to IEI.**
2. The preferred method of closure for all temporary pits will be on-site burial, assuming that all the criteria listed in sub-section (B) of 19 15 17.13 are met **Pit was closed using onsite burial.**
3. The surface owner shall be notified of HE's closing of the temporary pit **Closure notification was sent via email to BLM/NMOCD-certified mail not required for Federal Land per BLM/NMOCD.**
4. Within 6 months of the rig off status occurring, HE will ensure that the temporary pits are closed, re-contoured and reseeded. **Compliant with rule.**
5. Notice of Closure will be given prior to closure to the Aztec Division office between 72 hours and one week via email, or verbally. The notification of closure will include the following.
   i. Operator's name
   ii Location by Unit Letter, Section, Township, and Range, Well name and API number.

   Notification sent February 24, 2012
6. Liner of temporary pit shall be removed above "mud level" after stabilization Removal of liner will consist of manually or mechanically cutting liner at mud level and removing all remaining liner. Care will be taken to remove all of the liner All excessive liner will be disposed of at the San Juan County Landfill located on CR 3100. **Liner was removed above "mud level". Liner was removed by manually cutting liner at mud level & removing all remaining liner. All excessive liner was disposed of at San juan County Landfill.**
7. Pit contents shall be mixed with non-waste containing earthen material in order to achieve the solidification process. The solidification process will be accomplished using a combination of natural drying and mechanically mixing Pit contents will be mixed with non-waste, earthen material to a consistency that is deemed as safe and stable. The mixing ratio shall not exceed 3 parts clean soil to 1 part pit contents. **Pit contents were mixed with non-waste, earthen material that is safe & stable. The solidification process used a combination of natural drying and mechanically mixing. The mixing ratio was approximately 3:1.**
8. A five point composite sample will be taken of the pit using sampling tools and all samples tested per Subsection B of 19.15 17.13(B)(1)(b). In the event that the criteria are not met, all contents will be handled per Subparagraph (a) of Paragraph (1) of Subsection B of 19 15.17.13 i e , dig

and haul **A five point composite sample was taken of the pit using sampling tools. All samples were tested per Subsection B 19.15.17.1 3(B)(1)(b). Results are attached.**

Components	Test Method	Limit (mg/kg)
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418 1	2500
GRO/DRO	EPA SW-846 8015M	500
Chlorides	EPA 300.1	1000/500

9 Upon completion of solidification and testing standards being passed, the pit area will be backfilled with compacted, non-waste containing earthen material. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater. If standard testing fails, HE will dig and haul all contents pursuant to 19 15 17.13 i.a. After doing so, confirmation sampling will be conducted to ensure a release has not occurred.
Pit material past testing standards. The pit was then backfilled with compacted, non-waste containing earthen material.

10 During the stabilization process, if the liner is ripped by equipment, the Aztec OCD office will be notified within 48 hours and the liner will be repaired if possible. If the liner can not be repaired, then all contents will be excavated and removed **Liner was not damaged in the pit closure.**

11 Dig and Haul Material will be transported to IEI (Permit # 010010B). **Not required.**

12 Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Reshaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape **Pit area was re-contoured to match fit, shape, line form and texture of surrounding. Recontour is uniform in appearance with smooth surface-natural landscape.**

13. Notification will be sent to the OCD when the reclaimed area is seeded. **Area seeded week of March 26, 2012. C-144 Pit Closure Notice filed 3/28/2012.**

14. HE shall seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (unimpacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeated seeding or planting will be continued until successful vegetative growth occurs

Type	Variety or Cultivator	PLS/A
Western Wheatgrass	Arriba	3.0
Indian Ricegrass	Paloma or Rimrock	3.0
Slender Wheatgrass	San Luis	2 0
Crested Wheatgrass	Hy-crest	3 0
Bottlebrush Squirreltail	Unknown	2.0
Four-wing Saltbrush	Delar	0 25

Species shall be planted in pounds of pure live seed per acre:
Present Pure Live Seed (PLS) = Purity X Germination/100
Two lots of seed can be compared on the basis of PLS as follows:

Source No. One (poor quality)		Source No. two (better quality)	
Purity	50 percent	Purity	80 percent
Germination	40 percent	Germination	63 percent
Percent PLS	20 percent	Percent PLS	50 percent
5 lb bulk seed required to make 1 lb PLS		**2 lb bulk seed required to make 1 lb PLS**	

The seeding above was used in 3/2012. After two successive growing seasons, HE will check for vegetative growth. If not successful, repeated seeding will be done.

15. The temporary pit will be located with a steel marker, no less than four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial upon the abandonment of all the wells on the pad. The marker will be flush with the ground to allow access of the active well pad and for safety concerns. The marker will include a threaded collar to be used for future abandonment The top of the marker will contain a welded steel 12" square plate that indicates the onsite burial of the temporary pit. The plate will be easily removable and a four foot tall riser will be threaded into the top of the collar marker and welded around the base with the operator's information at the time all wells on the pad are abandoned The operator's information will include the following. Operator Name, Lease Name, Well Name and Number, Unit Number, Section, Township, Range and an indicator that the marker is an onsite burial location. **Steel marker was installed in the temporary pit, no less than four inches in diameter, cemented in a hole, 3 feet deep in center. Marker is flush with the ground to allow access of the active well pad. The top of the marker contains a welded steel 12" square plate that indicates the onsite burial of the temp pit. Operator name, Lease Name, Well Name & number, Section, Township and Range are all listed on the plate as an onsite burial location. Picture attached.**

DISTRICT I
1625 N French Dr, Hobbs, N.M 88240

DISTRICT II
1301 W Grand Ave, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd, Aztec, N.M 87410

DISTRICT IV
1220 South St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St Francis Dr
Santa Fe, NM 87505

Form C-102
Revised July, 16, 2010
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
	71520	Barker Creek-Dakota

[4] Property Code	[5] Property Name	[6] Well Number
306894	UTE MOUNTAIN UTE	113

[7] OGRID No	[8] Operator Name	[9] Elevation
208706	HUNTINGTON ENERGY, LLC	6287'

[10] Surface Location

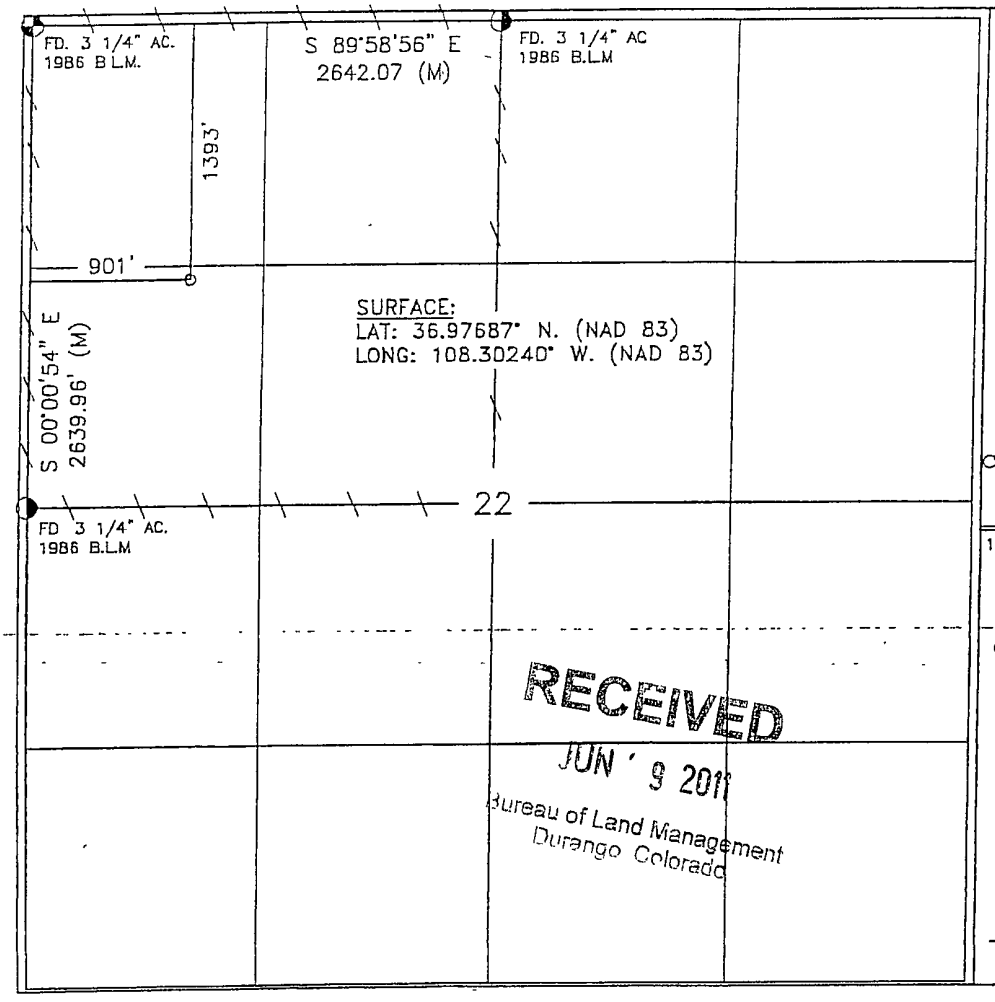
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	22	32-N	14-W		1393	NORTH	901	WEST	SAN JUAN

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No
NW - 160			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



RECEIVED
JUN 9 2011
Bureau of Land Management
Durango Colorado

17
OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division

Catherine Smith 4/18/11
Signature Date

Catherine Smith
Printed Name

csmith@huntingtonenergy.c
E-mail Address

18
SURVEYOR CERTIFICATION

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

NOVEMBER 15TH 2010
Date of Survey

Signature and Seal of Professional Surveyor

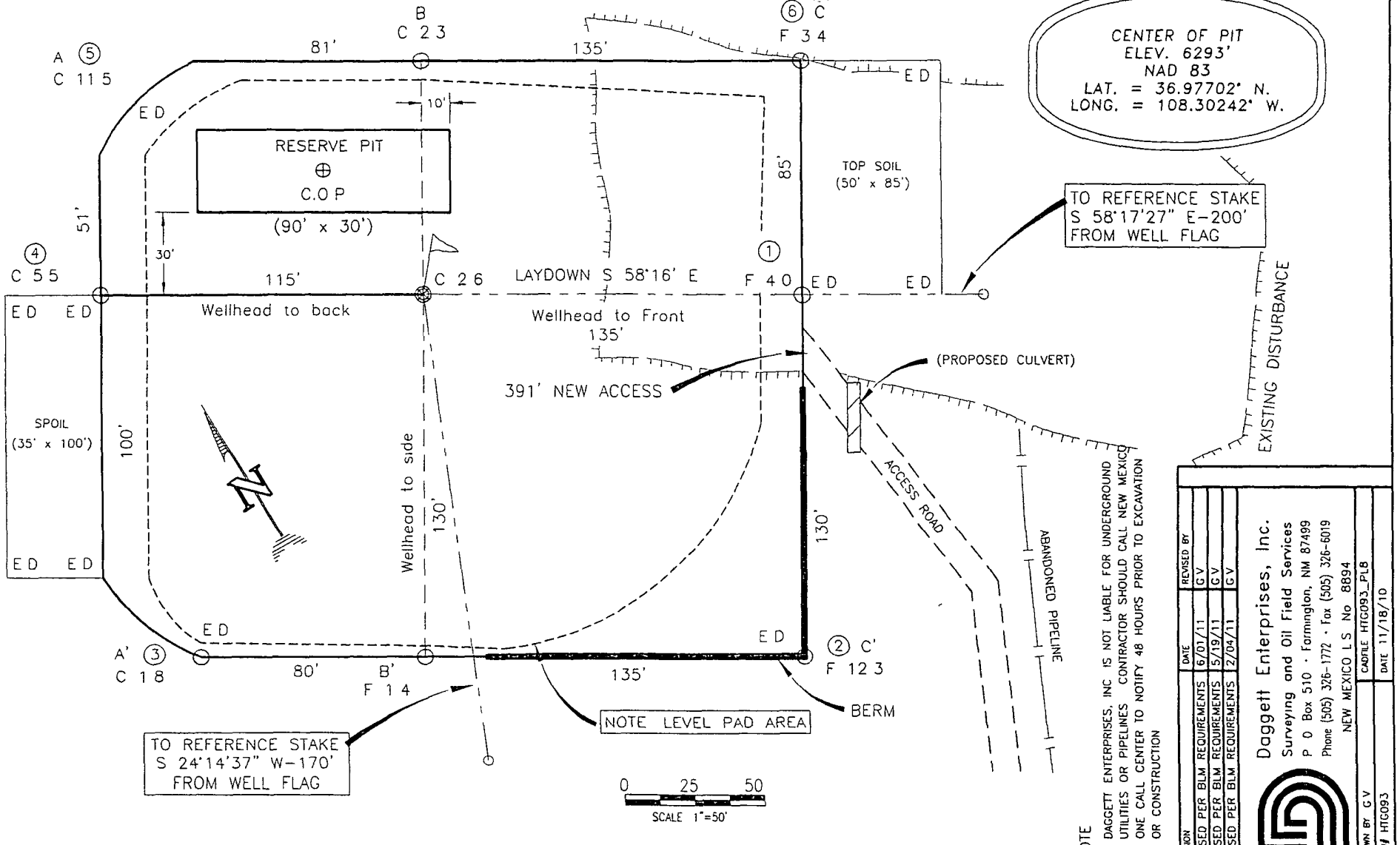
NEW MEXICO 8894 REGISTERED PROFESSIONAL LAND SURVEYOR

8894
Certificate Number

HUNTINGTON ENERGY, LLC
UTE MOUNTAIN UTE No. 113, 1393 FNL 901 FWL
(PROPOSED PAD LAYOUT)
SECTION 22, T-32-N, R-14-W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 6287'

WELL FLAG
NAD 83
LAT. = 36.97687° N.
LONG. = 108.30240° W.

CENTER OF PIT
ELEV. 6293'
NAD 83
LAT. = 36.97702° N.
LONG. = 108.30242° W.



(NOTE LEVEL PAD CALCULATED AT 3 1)

(NOTE E D – EDGE DISTURBANCE)

NOTE
DAGGETT ENTERPRISES, INC IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES CONTRACTOR SHOULD CALL NEW MEXICO ONE CALL CENTER TO NOTIFY 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION

REVISION	DATE	REVISED BY
REVISED PER BLM REQUIREMENTS	6/01/11	GV
REVISED PER BLM REQUIREMENTS	5/19/11	GV
REVISED PER BLM REQUIREMENTS	2/04/11	GV

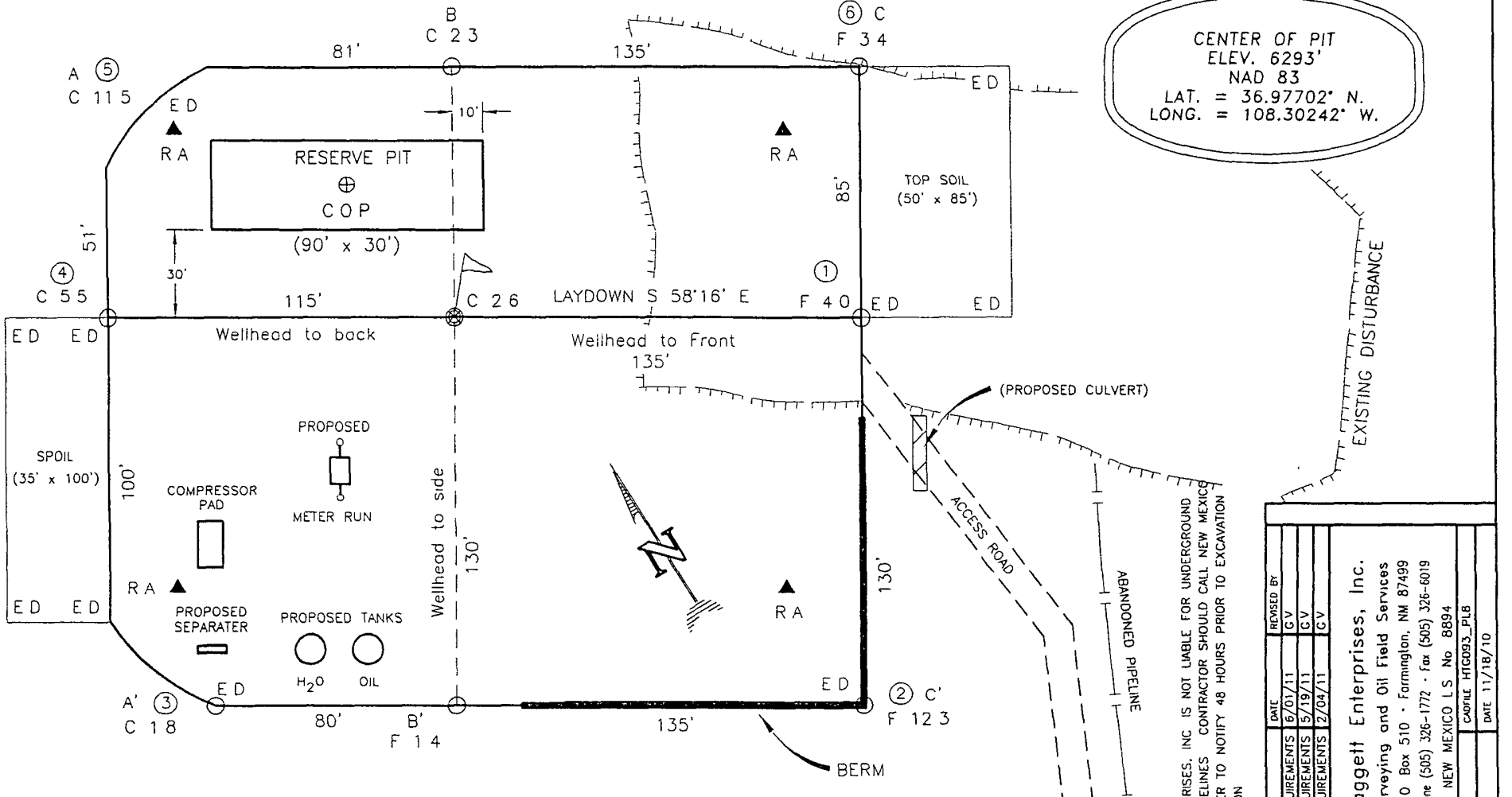
Daggett Enterprises, Inc.
Surveying and Oil Field Services
P O Box 510 · Farmington, NM 87499
Phone (505) 326-1772 · Fax (505) 326-6019
NEW MEXICO L.S No 8894

DRAWN BY G V | CADFILE HTG093_PL8
ROW# HTG093 | DATE 11/18/10

HUNTINGTON ENERGY, LLC
UTE MOUNTAIN UTE No. 113, 1393 FNL 901 FWL
(PROPOSED EQUIPMENT LAYOUT PLAN)
SECTION 22, T-32-N, R-14-W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 6287'

WELL FLAG
NAD 83
LAT. = 36.97687° N.
LONG. = 108.30240° W.

CENTER OF PIT
ELEV. 6293'
NAD 83
LAT. = 36.97702° N.
LONG. = 108.30242° W.



0 25 50
SCALE 1"=50'

(NOTE E D – EDGE DISTURBANCE)

NOTE
DAGGETT ENTERPRISES, INC IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES CONTRACTOR SHOULD CALL NEW MEXICO ONE CALL CENTER TO NOTIFY 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION

REVISION	DATE	REVISED BY
REVISED PER BLM REQUIREMENTS	6/01/11	GV
REVISED PER BLM REQUIREMENTS	5/19/11	GV
REVISED PER BLM REQUIREMENTS	2/04/11	GV

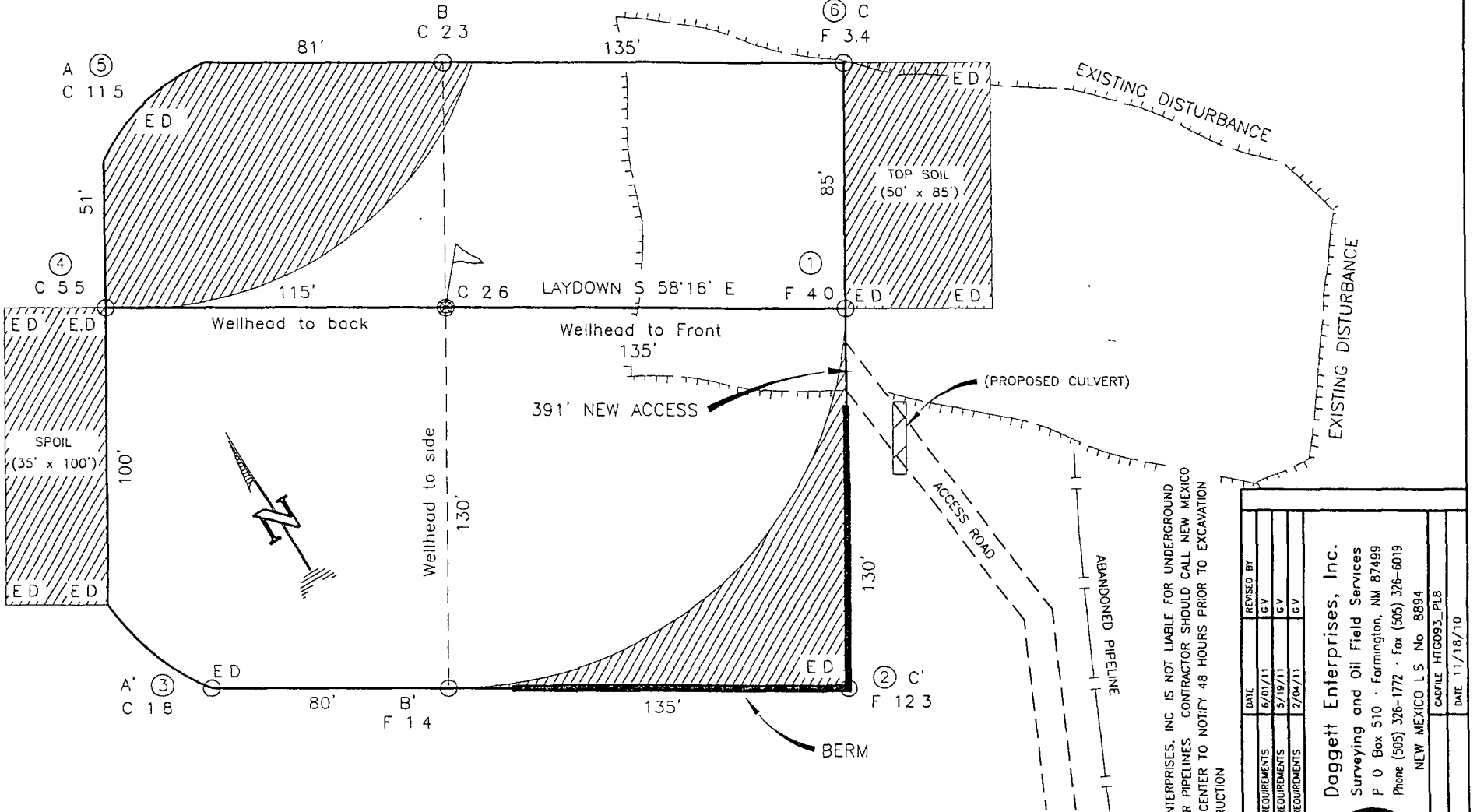
Daggett Enterprises, Inc.
Surveying and Oil Field Services
P O Box 510 - Farmington, NM 87499
Phone (505) 326-1772 - Fax (505) 326-6019
NEW MEXICO L.S. No 8894

DRAWN BY G.V
CADFILE HTG093_PL8
DATE 11/18/10
ROW# HTG093

HUNTINGTON ENERGY, LLC
UTE MOUNTAIN UTE No. 113, 1393 FNL 901 FWL
(PROPOSED AREA RECLAMATION PLAN)
SECTION 22, T-32-N, R-14-W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 6287'

RECEIVED
JUN ' 9 2011
Bureau of Land Management
Durango, Colorado

WELL FLAG
NAD 83
LAT. = 36.97687° N.
LONG. = 108.30240° W.



AREA RECLAIMED = 0.45 ACRE

AREA TO BE RECLAIMED

0 25 50
SCALE 1"=50'

(NOTE E D – EDGE DISTURBANCE)

NOTE
DAGGETT ENTERPRISES, INC IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES CONTRACTOR SHOULD CALL NEW MEXICO ONE CALL CENTER TO NOTIFY 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION

REVISION	DATE	REVISED BY
REVISED PER BLM REQUIREMENTS	6/01/11	G V
REVISED PER BLM REQUIREMENTS	5/19/11	G V
REVISED PER BLM REQUIREMENTS	2/04/11	G V

Daggett Enterprises, Inc.
Surveying and Oil Field Services
P O Box 510 · Farmington, NM 87499
Phone (505) 326-1772 · Fax (505) 326-6019
NEW MEXICO L.S. No. 8894

DRAWN BY G V
CADFILE HTG093_PL8
ROW# HTG093
DATE 11/18/10


HUNTINGTON ENERGY L.L.C.
UTE MOUNTAIN UTE #113
1393' FNL 901' FWL
NW/4 SEC. 22 T32N R14W
LEASE: I-22-IND-2772
API. #30-045-35317
LATITUDE: 36.97687 N
LONGITUDE: 108.30240 W
SAN JUAN COUNTY, NEW MEXICO

HE Pit Inspection Log:
Visual Inspection

UMU 113

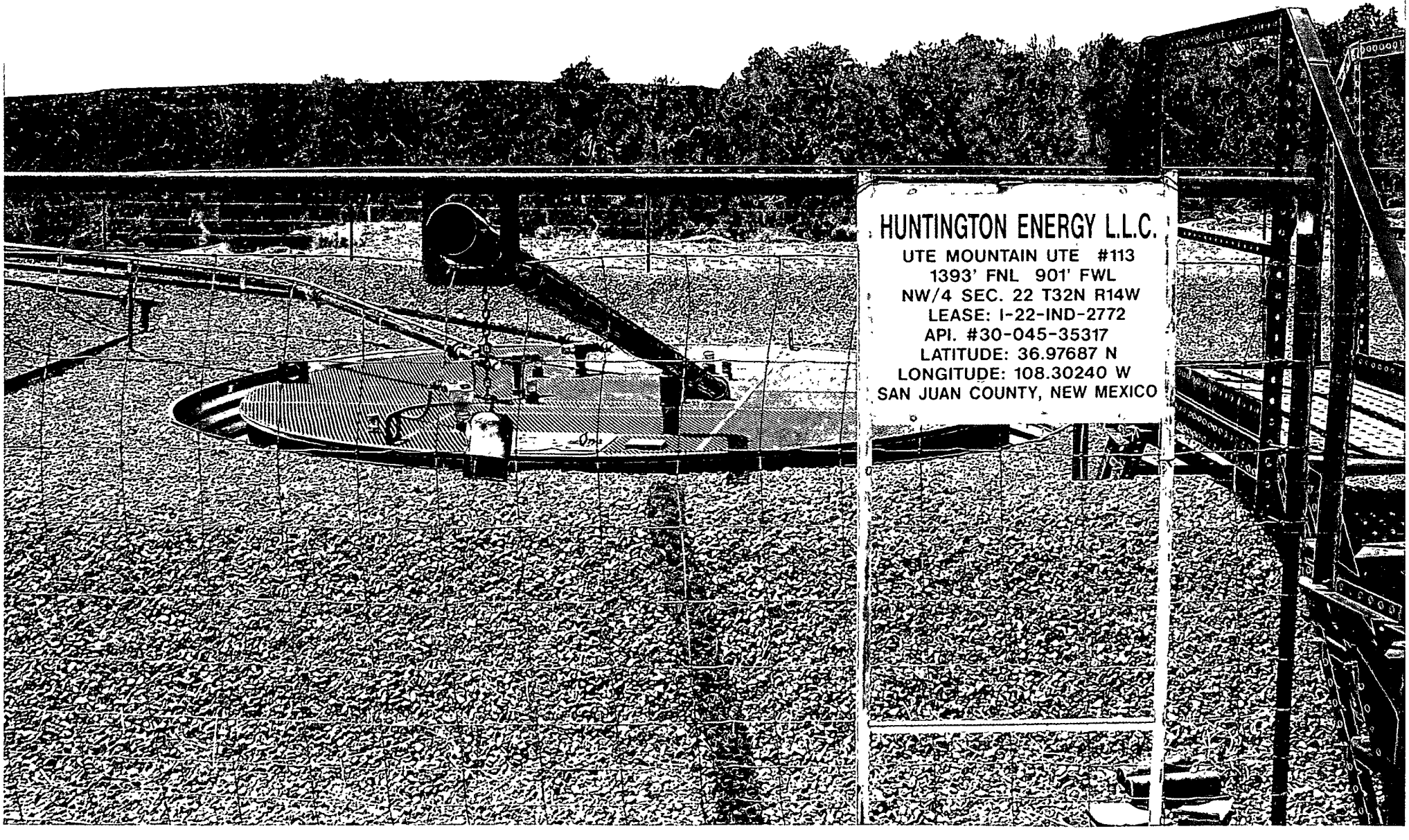
API#: 30-045-35317

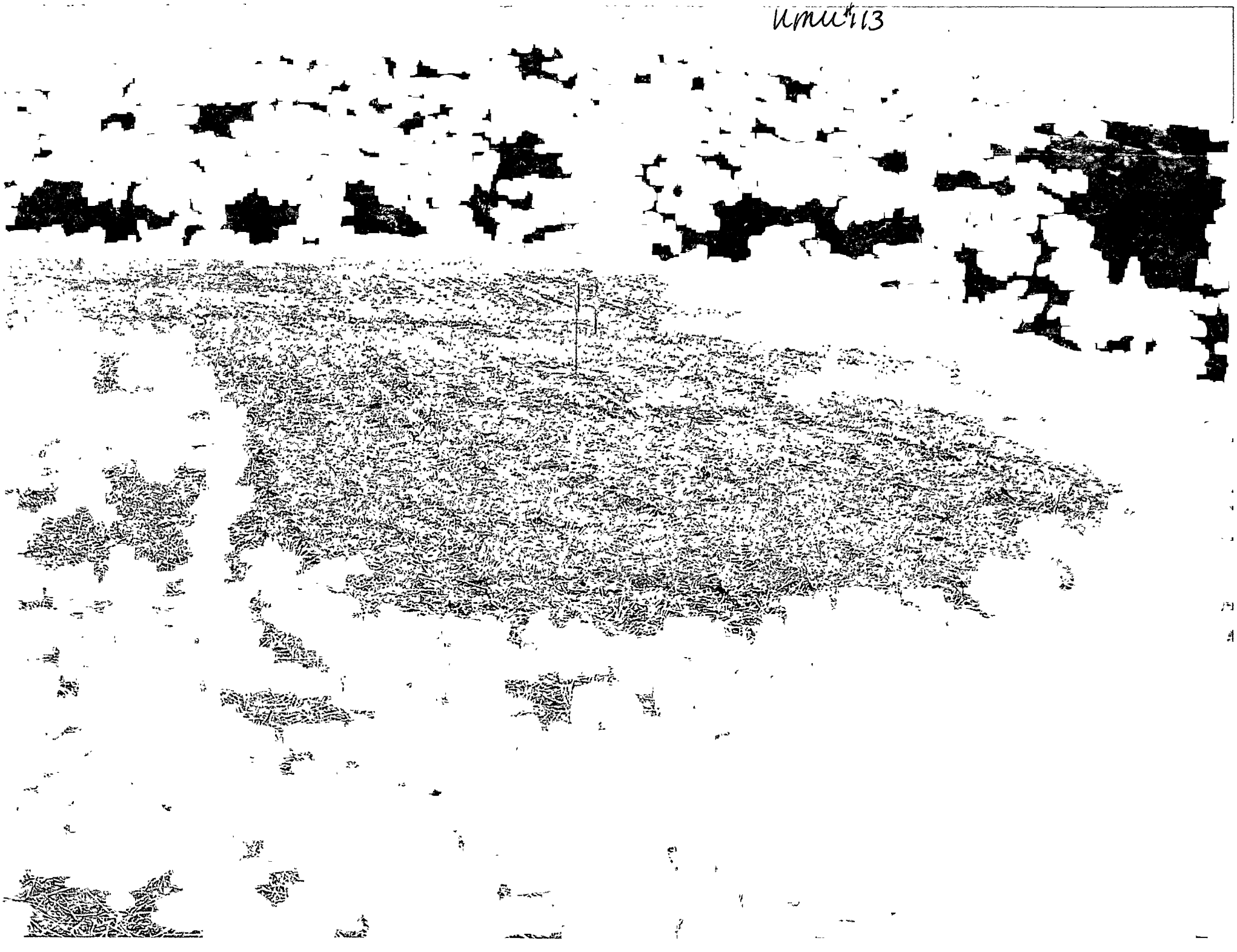
Drilling:
11/20-11/25/11

Weekly Insp	
11/20-11/27	OK
11/28-12/05	OK
12/06-12/13	OK
12/14-12/21	OK
12/21-12/28	OK
12/29-1/05/12	OK
1/06-1/13	OK
1/14-1/21	OK
1/22-1/29	OK
1/30-2/06	OK
2/07-2/14	OK
2/15-2/22	OK
2/23-2/28	OK

Closed pit: 2/28/12

David Morales, Huntington Energy


HUNTINGTON ENERGY L.L.C.
UTE MOUNTAIN UTE #113
1393' FNL 901' FWL
NW/4 SEC. 22 T32N R14W
LEASE: I-22-IND-2772
API. #30-045-35317
LATITUDE: 36.97687 N
LONGITUDE: 108.30240 W
SAN JUAN COUNTY, NEW MEXICO



Upm #113

HUNTINGTON ENGERY LLC

UTE MOUNTAIN UTE #113

LEASE # 122IND2772

API # 30-045-35317

NW/4 SEC 22, T32N-R14W

1593' FNL & 901' FWL

LAT 36.97687N LONG 108.30240W

SAN JUAN CO, NM

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised March 12, 2007

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. **Generator Name and Address:** Huntington Energy LLC 908 NW 71 ST Okc OK
2. **Originating Site:** Ute Mt. Ute # 113 3-5-12 60bbls (202) 3-5-12 60bbls (208)
3. **Location of Material (Street Address, City, State or ULSTR):** Sec. 22 T-32N - R-14W 202
4. **Source and Description of Waste:** Drill mud 3-12-12 60bbls 208

Estimated Volume _____ yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) 120 yd³ / bbls

5. **GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS**

I, Ron Lackey, representative or authorized agent for Huntington Energy LLC do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

Generator Signature

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. *Operator Use Only: Waste Acceptance Frequency* ☐ *Monthly* ☐ *Weekly* ☐ *Per Load*

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261 subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, _____, representative for JCI do hereby certify that

Representative/Agent Signature

representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the same have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. **Transporter:** JCI

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: **JFJ Landfarm c/o Industrial Ecosystems, Inc. / NM 01-0010B**

CL-238
Ph-9

Address of Facility: **# 49 CR 3150 Aztec, NM 87410**

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ **APPROVED** ☐ **DENIED (Must Be Maintained As Permanent Record)**

PRINT NAME: L Machado TITLE: Admin. Specialist DATE: 3-4-12

SIGNATURE: _____ TELEPHONE NO.: 505-632-1782

Surface Waste Management Facility Authorized Agent

Cathy Smith

From: Marcella Marquez <marcella@industrialecosystems.com>
Sent: Wednesday, May 23, 2012 12:37 PM
To: Cathy Smith
Attachments: 3409_0001.pdf

Importance: High

Cathy:

As per our telephone conversation, attached you will find the C-138 form which indicates (bottom right of page) the Chloride (CL) and PH levels for the 3 different locations requested.

Ute Mountain # 94
Chlorides 166 ppm
pH 8.0

Ute Mountain # 113
Chlorides 238 ppm
pH 9.0

Ute Mountain # 114
Chlorides 775
pH 9.0

This testing is performed when the material arrives at the facility by the use of test strips.

If you have any questions or if additional information is needed, please feel free to let me know.

Sincerely,
Marcella Marquez
Industrial Ecosystems, Inc.

envirotech
Analytical Laboratory

RCVD JUN 26 '12

OIL CONS. DIV.

DIST. 3

Report Summary

Client: Huntington Energy LLC

Chain of Custody Number: 14893

Samples Received: 06-08-12

Job Number: 06111-0002

Sample Number(s): 62336-62338

Project Name/Location: UTE Mountain Ute

Entire Report Reviewed By: _____ Date: 6/19/12

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

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

envirotech
Analytical Laboratory

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Huntington Energy LLC	Project #:	06111-0002
Sample ID:	UMU #113	Date Reported:	06-18-12
Laboratory Number:	62337	Date Sampled:	06-08-12
Chain of Custody:	14893	Date Received:	06-08-12
Sample Matrix:	Solid	Date Analyzed:	06-15-12
Preservative:	Cool	Date Extracted:	06-12-12
Condition:		Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**31.7**	**10.0**
Toluene	**185**	**10.0**
Ethylbenzene	**27.6**	**10.0**
p,m-Xylene	**230**	**10.0**
o-Xylene	**47.3**	**10.0**
Total BTEX	**521**	

ND - Parameter not detected at the stated detection limit

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**95.9 %**
	1,4-difluorobenzene	**92.1 %**
	Bromochlorobenzene	**89.0 %**

References

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846. USEPA, December 1996.

Comments: **Ute Mountain UTE**

envirotech
Analytical Laboratory

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID.	0615BCAL QA/QC	Date Reported:	06-18-12
Laboratory Number:	62336	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-15-12
Condition:	N/A	Analysis:	BTEX
		Dilution:	50

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF: Accept Range 0-15%	%Diff.	Blank Conc	Detect. Limit
Benzene	2 6413E-05	2 6413E-05	0.000	ND	0.2
Toluene	2 9641E-05	2.9641E-05	0.000	ND	0.2
Ethylbenzene	3 2248E-05	3 2248E-05	0.000	ND	0.2
p,m-Xylene	2.7945E-05	2 7945E-05	0.000	ND	0.2
o-Xylene	3 4186E-05	3 4186E-05	0.000	ND	0.2

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	27.4	27.3	0.00	0 - 30%	10
Toluene	616	360	0.42	0 - 30%	10
Ethylbenzene	77.6	75.2	0.03	0 - 30%	10
p,m-Xylene	886	603	0.32	0 - 30%	10
o-Xylene	152	180	0.19	0 - 30%	10

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	27.4	2500	2720	108	39 - 150
Toluene	616	2500	3530	113	46 - 148
Ethylbenzene	77.6	2500	2720	106	32 - 160
p,m-Xylene	886	5000	6430	109	46 - 148
o-Xylene	152	2500	2810	106	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution. Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References. Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **QA/QC for Samples 62336-62338, 62344-62346 and 62352**

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

envirotech
Analytical Laboratory

Chloride

Client:	Huntington Energy LLC	Project #:	06111-0002
Sample ID:	UMU #113	Date Reported:	06-12-12
Lab ID#:	62337	Date Sampled:	06-08-12
Sample Matrix:	Soil	Date Received:	06-08-12
Preservative.	Cool	Date Analyzed:	06-12-12
Condition:		Chain of Custody:	14893

Parameter	Concentration (mg/Kg)
Total Chloride	**70**

Reference: U S.E.P A , 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983. Standard Methods For The Examination of Water And Waste Water", 18th ed , 1992.

Comments: **Ute Mountain Ute**

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Huntington Energy LLC	Project #:	06111-0002
Sample ID:	UMU #113	Date Reported.	06-18-12
Laboratory Number:	62337	Date Sampled:	06-08-12
Chain of Custody No:	14893	Date Received:	06-08-12
Sample Matrix:	Solid	Date Extracted:	06-13-12
Preservative:	Cool	Date Analyzed:	06-13-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**66.5**	**7.4**

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **UTE Mountain UTE**

5796 US Highway 64, Farmington, NM 87401
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301
Ph (505) 632-0615 Fx (505) 632-1865
Ph (970) 259-0615 Fr (800) 362-1879
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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	06-18-12
Laboratory Number:	06-13-TPH.QA/QC 62336	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	06-13-12
Preservative.	N/A	Date Extracted:	06-13-12
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	04-25-12	06-13-12	1,850	1,720	7.0%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	7.4

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	111	81.3	26.7%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	111	2,000	1,700	80.5%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No 4551, 1978.

Comments: **QA/QC for Samples 62336-62338, 62344-62346.**

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14893

CHAIN OF CUSTODY RECORD

Client:	Project Name / Location:
Huntington Energy LLC	LITE Mountain Lite
Email results to:	Sampler Name: Ron Lackey
Client Phone No..	Client No.: 06111-0002

Sample No./ Identification	Sample Date	Sample Time	Lab No.	No /Volume of Containers	Preservative $HgCl_2$	Preservative HCl	Preservative	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
LMW #114	6/5	5:26 PM	62336						X							X	X				X	X
LMW #113	6/5	9:20 PM	62337																			
LMW #94	6/5	10:39 PM	62338																			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ron Lackey	6/6/17	12:53	Stephanie Dean	6/6/17	12:53
Relinquished by: (Signature)			Received by: (Signature)		

Sample Matrix

Soil ☐ Solid ☒ Sludge ☐ Aqueous ☐ Other ☐ _____

☐ Sample(s) dropped off after hours to secure drop off area.

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