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

Form C-144
July 21, 2008

**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.

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# 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: **Merrion Oil & Gas Corporation** OGRID #: **14634**
Address: **610 Reilly Ave Farmington, NM 87401**
Facility or well name: **U Da Well #2**
API Number: **30-045-31280** OCD Permit Number: _____
U/L or Qtr/Qtr **B** Section **2** Township **31N** Range **8W** County: **San Juan**
Center of Proposed Design: Latitude **36.93055560 N** Longitude **107.64305560W** 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: **1140** bbl Dimensions: L **80** x W **40** x D **8**

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 _____

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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.



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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: **Steel Mesh**

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 19.15.3.103 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.<br>- 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).<br>- 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)*<br>- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | ☐ Yes ☒ No<br>☐ 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)*<br>- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | ☐ Yes ☐ No<br>☒ 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.<br>- 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.<br>- Written confirmation or verification from the municipality; Written approval obtained from the municipality | ☐ Yes ☒ No |
| Within 500 feet of a wetland.<br>- 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.<br>- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division | ☐ Yes ☒ No |
| Within an unstable area.<br>- 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.<br>- 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.<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | ☐ Yes ☒ No<br>☐ NA |
| Ground water is between 50 and 100 feet below the bottom of the buried waste<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | ☐ Yes ☒ No<br>☐ NA |
| Ground water is more than 100 feet below the bottom of the buried waste.<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | ☒ Yes ☐ No<br>☐ 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).<br>- 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.<br>- 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.<br>- 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.<br>- Written confirmation or verification from the municipality; Written approval obtained from the municipality | ☐ Yes ☒ No |
| Within 500 feet of a wetland.<br>- 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.<br>- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division | ☐ Yes ☒ No |
| Within an unstable area.<br>- 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.<br>- 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): _Philana Thompson_____ Title: Regulatory Compliance Specialist_____

Signature:_____ Date: ___6/24/2009_____

e-mail address: pthompson@merrion.bz_____ Telephone: 505-324-5336_____

20.
**OCD Approval:** ☐ Permit Application (including closure plan) ☒ Closure ~~Plan (only)~~ ☐ OCD Conditions (see attachment)

**OCD Representative Signature:** Jonathan D. Kelly **Approval Date:** 11/01/2011

**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:** ___12/8/2008_____

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 36.93055560 N___ Longitude -107.64305560 W_____ 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): _Philana Thompson_____ Title: Regulatory Compliance Specialist_____

Signature: Philana Thompson Date: 7-28-09

e-mail address: pthompson@merrion.bz_____ Telephone: 505-324-5336_____

# *Merrion Oil & Gas Corp*
# *Closure Plan*
# *U Da Well #2 30-045-31280 S2, T31N, R8W*

In accordance with Rule 19.15.17.12 NMAC the following information describes the closure requirements of temporary cavitation pits on Merrion Oil & Gas Corp. (MOG) locations. This is MOG's standard procedure for all temporary pits utilized for new drills. 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 the OCD within 60 days of closure. Closure reports will be filed on C-144 and incorporate the following:

- Details of Capping and Covering, where applicable.
- Plot Plan (Pit diagram)
- Inspection reports
- Sampling results
- C-105
- Copy of deed notice will be filed with County Clerk **A deed notice was filed with the County Clerk on 1/8/09**

**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. **Remaining fluids were pulled from the reserve pit on 11/14/2008**
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. **On-site burial plan was approved for this location by the Aztec OCD office on 9/10/2008**
3) The surface owner was notified prior to on-site burial of MOG's closing of the temporary pit as per the approved closure plan using email notification, email notification is attached. **The State Land office was notified of the on-site closure method via email on 8/28/08.**
4) Within 6 months of the Rig off status occurring MOG will ensure that temporary pits are closed, re-contoured, and re-seeded. **Rig moved off 10/30/08, pit location was closed & re-contoured by 12/8/08 and re-seeded 4/1/2009.**
5) Notice of closure will be given to the Aztec OCD office between 72 hours and one week of closure via email, or verbally. The notification of closure will include the following: **Notice of closure was called into Brandon Powell with the Aztec NMOCD on 1/14/09. This step was inadvertently missed and discussed with the OCD. Future notifications will be given to OCD by Merrion within the specified time period. Closure activity began in December of 2008.**
    I. Operator's name
    II. Location by UL, S, T and R. Well name and API number.
6) Liner of temporary pit shall be removed above the "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 i.e., edges of liner entrenched or buried. All excessive liner will be disposed of at a licensed disposal facility. **Liner of the temporary pit was removed above "mud level" after stabilization. Removal of the liner consisted of manually cutting the liner at mud level and removing all remaining liner. Care was taken to remove ALL of the liner i.e., edges of liner entrenched or buried. 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 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 containing, earthen material in order to achieve the solidification process. The solidification process was accomplished using a combination of natural drying and mechanically mixing. Pit contents were mixed with non-waste, earthen material to a consistency that is deemed safe and stable. The mixing ratio did not exceed 3 parts clean soil to 1 part pit contents. Solidification was completed 12/6/08**

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 and all samples tested as required by Subsection B of 19.15.17.13(B)(1)(b). Sample results have been 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 | ~~*(DGW >50 & <100)* 500~~ *(DGW >100)* 1000 |

9) A five point composite sample will be taken from the cavitation pit pursuant to 19.15.17.13 (B)(1)(b)(i) in order to assure there has not been any type of release. **A five point composite sample was taken of the cavitation pit using sampling tools and all samples tested as required by Subsection B of 19.15.17.13(B)(1)(b)(i). Sample results have been 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 | 500 |

**10)** 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 MOG will dig and haul all contents pursuant to 19.15.17.13.i.a. After doing such, confirmation sampling will be conducted to ensure a release has not occurred. **Upon completion of solidification and testing standards being passed, the pit area was backfilled with compacted, non-waste containing, earthen material. A minimum of four feet of cover was achieved and the cover included over one foot of suitable material to establish vegetation at the site.**

**11)** 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. **The liner was not ripped by equipment during stabilization.**

12) Dig and haul material **was** transported to Envirotech and/ or IEI.

13) Re-contouring of location will match fit, shape, line, form and texture of the surroundings. Re-shaping 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 a smooth surface, fitting the natural landscape.

**14)** Notification will be sent to the OCD when the reclaimed area is seeded. **Re-contouring of location matched fit, shape, line, form and texture of the surroundings. Re-shaping included drainage control, prevent ponding, and prevent erosion. Natural drainages were unimpeded and water bars and/or silt traps were placed in areas where needed to prevent erosion on a large scale. Final re-contour had a uniform appearance with a smooth surface, fitting the natural landscape.**

**15)** MOG shall see 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 or Forest Service stipulated seed mixes will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) 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. Repeat seeding or planting will be continued until successful vegetative growth occurs. **MOG will file a C103 with the Aztec NMOCD when the reclaimed area has successfully achieved re-vegetation for two successive growing seasons.**

| 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 | .25 |

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

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

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

**16)** 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 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 of all wells on the well pad are abandoned. The operator's information will include the following: **The temporary pit was 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. The marker was set to include a threaded collar to be used for future abandonment. The top of the marker contained a welded steel 12" square plate that indicates the onsite burial of the temporary pit. The plate is easily removable. The Steel marker was set 12/8/08**

| Submit To Appropriate District Office<br>Two Copies<br>District I<br>1625 N French Dr , Hobbs, NM 88240<br>District II<br>1301 W Grand Avenue, Artesia, NM 88210<br>District III<br>1000 Rio Brazos Rd , Aztec, NM 87410<br>District IV<br>1220 S St Francis Dr , Santa Fe, NM 87505 | State of New Mexico<br>Energy, Minerals and Natural Resources<br><br>Oil Conservation Division<br>1220 South St. Francis Dr.<br>Santa Fe, NM 87505 | Form C-105<br>July 17, 2008<br>1. WELL API NO.<br>30-045-31280<br>2. Type of Lease<br>☒ STATE ☐ FEE ☐ FED/INDIAN<br>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
U Da Well

6. Well Number:
#2

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

8. Name of Operator
Merrion Oil & Gas Corp

9. OGRID
14634

10. Address of Operator
610 Reilly Ave
Farmington, NM 87401

11. Pool name or Wildcat
Basin Fruitland Coal

| 12.Location | Unit Ltr | Section | Township | Range | Lot | Feet from the | N/S Line | Feet from the | E/W Line | County |
|---|---|---|---|---|---|---|---|---|---|---|
| **Surface:** | B | 2 | 31N | 8W | NWNE | 1055 | FNL | 2221 | FEL | San Juan |
| **BH:** | | | | | | | | | | |

| 13. Date Spudded | 14. Date T D. Reached | 15. Date Rig Released<br>10/28/08 | 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

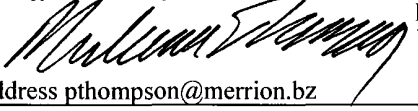
31. List Attachments

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 36 93055560 N Longitude -107 64305560 W 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  Printed Name Philana Thompson Title Regulatory Compliance Spec Date 6/24/09

E-mail Address pthompson@merrion.bz

200900654 01/16/2009 11:44 AM
2 of 2 B1487 P584 R $11.00
San Juan County, NM DEBBIE HOLMES

State of New Mexico
Energy, Minerals & Mining Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C - 102

DEC 2002

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

| API Number | Pool Code | Pool Name |
|---|---|---|
| 30-045-31280 | 71629 | Basin Fruitland Coal |

| Property Code | Property Name | Well Number |
|---|---|---|
| 24565 | U Da Well Com | 2 |

| OGRID No. | Operator Name | Elevation |
|---|---|---|
| 014634 | MERRION OIL & GAS | 6710' |

**Surface Location**

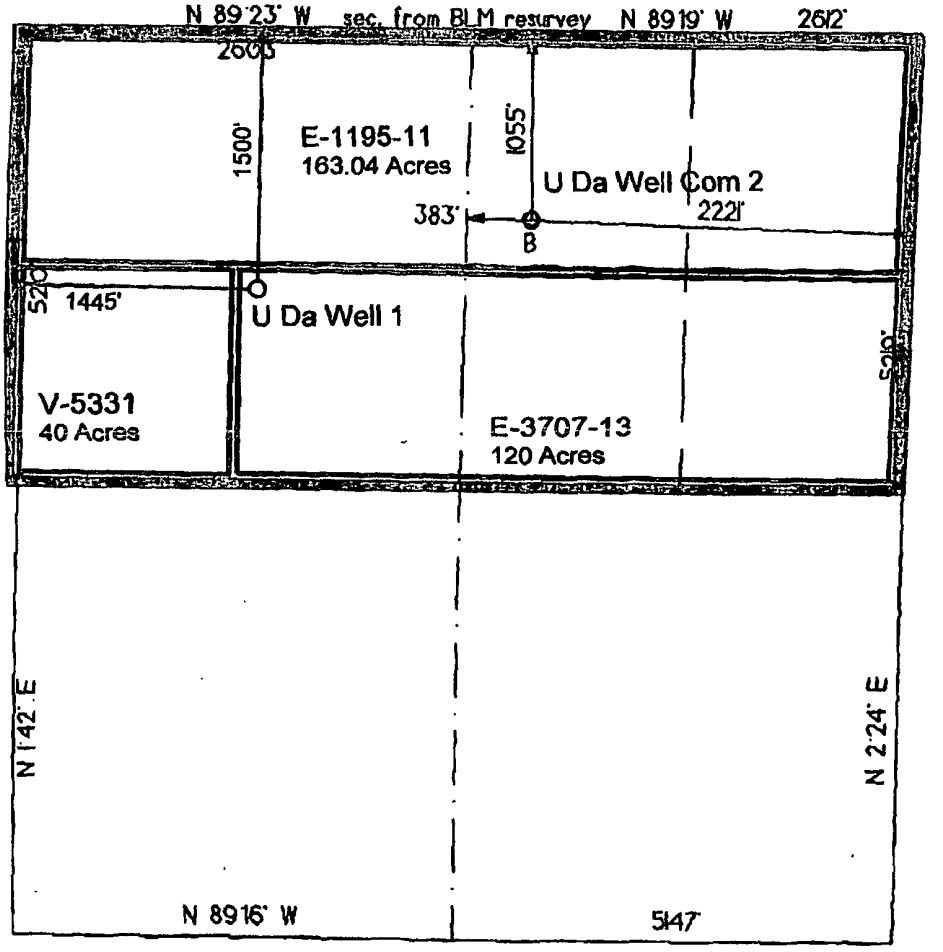
| UL or Lot | Sec. | Twp. | Rge. | Lot Idn. | Feet From> | North/South | Feet From> | East/West | County |
|---|---|---|---|---|---|---|---|---|---|
| B | 2 | 31 N. | 8 W. | nwne | 1055' | NORTH | 2221' | East | SAN JUAN |

**Bottom Hole Location If Different From Surface**

| UL or Lot | Sec. | Twp. | Rge. | Lot Idn. | Feet From> | North/South | Feet From> | East/West | County |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

| Dedication | Joint ? | Consolidation | Order No. |
|---|---|---|---|
| ~~320 Ac~~ 323.04 | | | |

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




## OPERATOR CERTIFICATION

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

Signature

Printed Name Connie S. Dinning

Title Production Engineer

Date December 2, 2002

## SURVEYOR CERTIFICATION

I hereby certify that the well location 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.

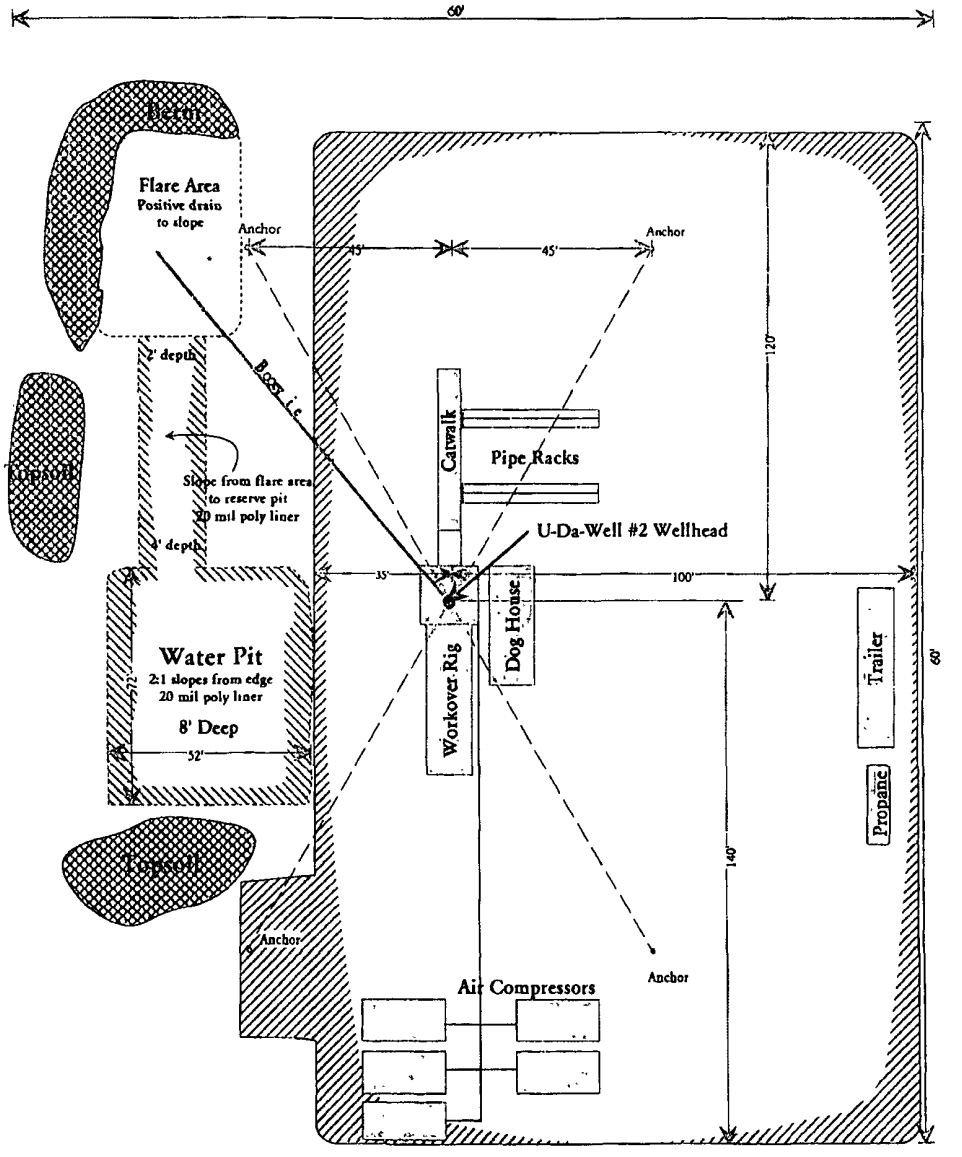
Date of Survey

Signature and Seal of Professional Surveyor

GERALD L. PRESTON
NEW MEXICO
6844
REGISTERED LAND SURVEYOR

MERRION

Merrion Oil & Gas Corporation
Location Layout
U-Da-Well #2
By: TSF Date: 21-AUG-2008



State of New Mexico:

County of San Juan:

200900654 01/16/2009 11:44 AM
1 of 2 B1487 P584 R $11.00
San Juan County, NM DEBBIE HOLMES

SAN JUAN COUNTY COUNTY CLERK STATE OF NEW MEXICO

AR

**Recordation Notice of Pit Burial**

In accordance with Section 19.15.17.13.F.1.f of the NMAC, operator herby provides notice in the public record of an on-site burial of a temporary pit at the following location:

Well Name: **U Da Well #2**

API: **30-045-31280**

Lattitude (DDD MM.MMM'): **36.93055560 N**

Longitude (DDD MM.MMM'): **-107.64305560 W**

Unit Letter (1/4, ¼): **B**

Section: **2**

Township: **31N**

Range: **8W**

County: **San Juan**

State: **New Mexico**

IN WITNESS WHEREOF, this Recordation Notice of Pit Burial has been executed on the date indicated below by the undersigned.

Merrion Oil & Gas Corporation

Philana Thompson, Regulatory Specialist — Date 1/8/08

STATE OF NEW MEXICO

COUNTY OF SAN JUAN

This document was acknowledged before me on this 8th day of January 2009

Philana Thompson, Regulatory Specialist of Merrion Oil & Gas Corporation.

Notary Public Signature

Esther J. Greyeyes

Notary Name Printed

ESTHER J. GREYEYES NOTARY PUBLIC STATE OF NEW MEXICO

Commission Expires

August 7, 2010

**Philana Thompson**

**From:** Philana Thompson
**Sent:** Thursday, August 28, 2008 1:06 PM
**To:** 'dtise@slo.state.nm.us'
**Subject:** Surface Owner Notification

The following temporary pit will be closed on-site. Per the new OCD Pit Rule #17, we are required to notify the surface owner. Please feel free to contact me at any time if you should have any questions or concerns. Thank you ;-)

If you are not the person these notifications should be directed to please let me know ;-)

Philana Thompson
Merrion Oil & Gas
Regulatory Compliance Specialist
pthompson@merrion.bz
505-324-5336

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

October 3, 2008

Ms. Philana Thompson
Merrion Oil & Gas
610 Reilly Ave
Farmington, NM 87401

Phone: (505) 324-5301
Fax: (505) 324-5350

Client No.: 03048-009

Dear Ms. Thompson,

Enclosed are the analytical results for the samples collected from the location know as "V-da Well #2". Three soil samples were collected by Merrion Oil & Gas designated personnel on 9/24/08, and received by the Envirotech laboratory on 9/24/08 for BTEX per USEPA Method 8021, Total Petroleum Hydrocarbons (TPH) per USEPA Method 8015 Total Petroleum Hydrocarbons (TPH) per USEPA Method 418.1 and Chloride.

The samples were documented on Envirotech Chain of Custody No. 5390. The samples were assigned Laboratory No. 47438 (Well Sample), 47439 (Floor Sample) and 47440 (Background) for tracking purposes.

The samples were analyzed 9/29/08 - 10/01/08 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
**Envirotech, Inc.**

Christine M. Walters
Laboratory Manager
enc.

RECEIVED
OCT - 7 2008

# CHAIN OF CUSTODY RECORD

5390

| Client: | Project Name / Location: |
|---|---|
| x Merrion Oil & Gas | x U-da-Well #2 |
| Client Address: | Sampler Name: |
| Client Phone No.: | Client No.: 03048-0009 |

ANALYSIS / PARAMETERS

| Sample No./ Identification | Sample Date | Sample Time | Lab No. | Sample Matrix | No./Volume of Containers | Preservative $HgCl_2$ | Preservative HCl | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | RCI | TCLP with H/P | PAH | TPH (418.1) | CHLORIDE | | | | Sample Cool | Sample Intact |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Sample U-da-Well #2 | 9/24/08 | 10:00a | 47438 | (Soil) Sludge Solid Aqueous | (1) 4oz | | | ✓ | ✓ | | | | | | | ✓ | ✓ | | | | ✓ | ✓ |
| U-da-Well #2 Floor Sample | 9/24/08 | 10:05a | 47439 | (Soil) Sludge Solid Aqueous | (1) 4oz | | | ✓ | ✓ | | | | | | | ✓ | ✓ | | | | ✓ | ✓ |
| U-da-Well #2 Background | 9/24/08 | 10:10a | 47440 | (Soil) Sludge Solid Aqueous | (1) 4oz | | | ✓ | ✓ | | | | | | | ✓ | ✓ | | | | ✓ | ✓ |
| | | | | Soil Sludge Solid Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Sludge Solid Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Sludge Solid Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Sludge Solid Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Sludge Solid Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Sludge Solid Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Sludge Solid Aqueous | | | | | | | | | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| x Steven Calkins | 9/24/08 | 15:12 | Kendall Angelo | 9/24/08 | 15:12 |
| Relinquished by: (Signature) | | | Received by: (Signature) | | |
| Relinquished by: (Signature) | | | Received by: (Signature) | | |


Philana Thompson
324.5350 fax:
324.5301 phone



ENVIROTECH INC.

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505-632-0615

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified
## Nonhalogenated Volatile Organics
## Total Petroleum Hydrocarbons

| | | | |
|---|---|---|---|
| Client: | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Well Sample | Date Reported: | 10-02-08 |
| Laboratory Number: | 47438 | Date Sampled: | 09-24-08 |
| Chain of Custody No: | 5390 | Date Received: | 09-24-08 |
| Sample Matrix: | Soil | Date Extracted: | 09-30-08 |
| Preservative: | Cool | Date Analyzed: | 10-01-08 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|---|---|---|
| **Gasoline Range (C5 - C10)** | **ND** | **0.2** |
| **Diesel Range (C10 - C28)** | **20.2** | **0.1** |
| **Total Petroleum Hydrocarbons** | **20.2** | **0.2** |

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **V-da-Well #2.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505-632-0615 • Fax 505-632-1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

# EPA METHOD 8015 Modified
# Nonhalogenated Volatile Organics
# Total Petroleum Hydrocarbons

| | | | |
|---|---|---|---|
| Client: | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Floor Sample | Date Reported: | 10-02-08 |
| Laboratory Number: | 47439 | Date Sampled: | 09-24-08 |
| Chain of Custody No: | 5390 | Date Received: | 09-24-08 |
| Sample Matrix: | Soil | Date Extracted: | 09-30-08 |
| Preservative: | Cool | Date Analyzed: | 10-01-08 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|---|---|---|
| **Gasoline Range (C5 - C10)** | **ND** | **0.2** |
| **Diesel Range (C10 - C28)** | **2.8** | **0.1** |
| **Total Petroleum Hydrocarbons** | **2.8** | **0.2** |

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **V-da-Well #2.**

Analyst

Review

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified
## Nonhalogenated Volatile Organics
## Total Petroleum Hydrocarbons

| | | | |
|---|---|---|---|
| Client: | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Background | Date Reported: | 10-02-08 |
| Laboratory Number: | 47440 | Date Sampled: | 09-24-08 |
| Chain of Custody No: | 5390 | Date Received: | 09-24-08 |
| Sample Matrix: | Soil | Date Extracted: | 09-30-08 |
| Preservative: | Cool | Date Analyzed: | 10-01-08 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|---|---|---|
| **Gasoline Range (C5 - C10)** | **ND** | **0.2** |
| **Diesel Range (C10 - C28)** | **2.8** | **0.1** |
| **Total Petroleum Hydrocarbons** | **2.8** | **0.2** |

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **V-da-Well #2.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

# EPA Method 8015 Modified
## Nonhalogenated Volatile Organics
## Total Petroleum Hydrocarbons

## Quality Assurance Report

| | | | |
|---|---|---|---|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | 10-01-08 QA/QC | Date Reported: | 10-02-08 |
| Laboratory Number: | 47438 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 10-01-08 |
| Condition: | N/A | Analysis Requested: | TPH |

| | I-Cal Date | I-Cal RF: | C-Cal RF: | % Difference | Accept. Range |
|---|---|---|---|---|---|
| **Gasoline Range C5 - C10** | 05-07-07 | 9.9379E+002 | 9.9419E+002 | **0.04%** | **0 - 15%** |
| **Diesel Range C10 - C28** | 05-07-07 | 1.0142E+003 | 1.0146E+003 | **0.04%** | **0 - 15%** |

| Blank Conc. (mg/L - mg/Kg) | Concentration | Detection Limit |
|---|---|---|
| **Gasoline Range C5 - C10** | **ND** | **0.2** |
| **Diesel Range C10 - C28** | **ND** | **0.1** |
| **Total Petroleum Hydrocarbons** | **ND** | **0.2** |

| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept. Range |
|---|---|---|---|---|
| **Gasoline Range C5 - C10** | **ND** | **ND** | **0.0%** | **0 - 30%** |
| **Diesel Range C10 - C28** | **20.2** | **20.1** | **0.5%** | **0 - 30%** |

| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept. Range |
|---|---|---|---|---|---|
| **Gasoline Range C5 - C10** | **ND** | **250** | **243** | **97.2%** | **75 - 125%** |
| **Diesel Range C10 - C28** | **20.2** | **250** | **265** | **98.1%** | **75 - 125%** |

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **QA/QC for Samples 47438 - 47440, 47452, 47463, 47464, 47482 - 47485.**

Analyst

Review

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021
## AROMATIC VOLATILE ORGANICS

| | | | |
|---|---|---|---|
| Client: | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Well Sample | Date Reported: | 10-02-08 |
| Laboratory Number: | 47438 | Date Sampled: | 09-24-08 |
| Chain of Custody: | 5390 | Date Received: | 09-24-08 |
| Sample Matrix: | Soil | Date Analyzed: | 10-01-08 |
| Preservative: | Cool | Date Extracted: | 09-30-08 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|---|---|---|
| **Benzene** | **12.3** | **0.9** |
| **Toluene** | **15.2** | **1.0** |
| **Ethylbenzene** | **8.8** | **1.0** |
| **p,m-Xylene** | **21.4** | **1.2** |
| **o-Xylene** | **9.7** | **0.9** |
| **Total BTEX** | **67.4** | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|---|---|---|
| | **Fluorobenzene** | **98.0 %** |
| | **1,4-difluorobenzene** | **98.0 %** |
| | **Bromochlorobenzene** | **98.0 %** |

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:** **V-da-Well #2**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505-632-0615 • Fax 505-632-1865

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021
## AROMATIC VOLATILE ORGANICS

| | | | |
|---|---|---|---|
| Client: | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Floor Sample | Date Reported: | 10-02-08 |
| Laboratory Number: | 47439 | Date Sampled: | 09-24-08 |
| Chain of Custody: | 5390 | Date Received: | 09-24-08 |
| Sample Matrix: | Soil | Date Analyzed: | 10-01-08 |
| Preservative: | Cool | Date Extracted: | 09-30-08 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|---|---|---|
| **Benzene** | **4.0** | **0.9** |
| **Toluene** | **10.9** | **1.0** |
| **Ethylbenzene** | **3.5** | **1.0** |
| **p,m-Xylene** | **16.5** | **1.2** |
| **o-Xylene** | **5.6** | **0.9** |
| **Total BTEX** | **40.5** | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|---|---|---|
| | **Fluorobenzene** | **98.0 %** |
| | **1,4-difluorobenzene** | **98.0 %** |
| | **Bromochlorobenzene** | **98.0 %** |

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:** **V-da-Well #2**

Analyst

Review

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021
## AROMATIC VOLATILE ORGANICS

| | | | |
|---|---|---|---|
| Client: | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Background | Date Reported: | 10-02-08 |
| Laboratory Number: | 47440 | Date Sampled: | 09-24-08 |
| Chain of Custody: | 5390 | Date Received: | 09-24-08 |
| Sample Matrix: | Soil | Date Analyzed: | 10-01-08 |
| Preservative: | Cool | Date Extracted: | 09-30-08 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|---|---|---|
| **Benzene** | **1.1** | **0.9** |
| **Toluene** | **5.7** | **1.0** |
| **Ethylbenzene** | **1.1** | **1.0** |
| **p,m-Xylene** | **3.8** | **1.2** |
| **o-Xylene** | **2.3** | **0.9** |
| **Total BTEX** | **14.0** | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|---|---|---|
| | **Fluorobenzene** | **99.0 %** |
| | **1,4-difluorobenzene** | **99.0 %** |
| | **Bromochlorobenzene** | **99.0 %** |

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:** **V-da-Well #2**

Analyst

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021
## AROMATIC VOLATILE ORGANICS

| | | | |
|---|---|---|---|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 10-01-BT QA/QC | Date Reported: | 10-02-08 |
| Laboratory Number: | 47438 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 10-01-08 |
| Condition: | N/A | Analysis: | BTEX |

| Calibration and Detection Limits (ug/L) | I-Cal RF: | C-Cal RF: | %Diff. Accept. Range 0 - 15% | Blank Conc | Detect. Limit |
|---|---|---|---|---|---|
| **Benzene** | 5.8427E+007 | 5 8544E+007 | **0.2%** | **ND** | **0.1** |
| **Toluene** | 4.4817E+007 | 4.4907E+007 | **0.2%** | **ND** | **0.1** |
| **Ethylbenzene** | 3 6066E+007 | 3.6138E+007 | **0.2%** | **ND** | **0.1** |
| **p,m-Xylene** | 7 6424E+007 | 7.6577E+007 | **0.2%** | **ND** | **0.1** |
| **o-Xylene** | 3.5645E+007 | 3.5716E+007 | **0.2%** | **ND** | **0.1** |

| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff. | Accept Range | Detect. Limit |
|---|---|---|---|---|---|
| **Benzene** | **12.3** | **12.4** | **0.8%** | **0 - 30%** | **0.9** |
| **Toluene** | **15.2** | **15.1** | **0.7%** | **0 - 30%** | **1.0** |
| **Ethylbenzene** | **8.8** | **8.9** | **1.1%** | **0 - 30%** | **1.0** |
| **p,m-Xylene** | **21.4** | **21.7** | **1.4%** | **0 - 30%** | **1.2** |
| **o-Xylene** | **9.7** | **9.9** | **2.1%** | **0 - 30%** | **0.9** |

| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---|---|---|---|---|---|
| **Benzene** | **12.3** | **50.0** | **61.3** | **98.4%** | **39 - 150** |
| **Toluene** | **15.2** | **50.0** | **59.2** | **90.8%** | **46 - 148** |
| **Ethylbenzene** | **8.8** | **50.0** | **55.8** | **94.9%** | **32 - 160** |
| **p,m-Xylene** | **21.4** | **100** | **118** | **97.5%** | **46 - 148** |
| **o-Xylene** | **9.7** | **50.0** | **57.7** | **96.6%** | **46 - 148** |

ND - Parameter not detected at the stated detection limit.

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 47438 - 47440, 47452, 47463, 47464, 47482 - 47485.**

Analyst

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 418.1
## TOTAL PETROLEUM HYDROCARBONS

| | | | |
|---|---|---|---|
| Client: | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Well Sample | Date Reported: | 10-03-08 |
| Laboratory Number: | 47438 | Date Sampled: | 09-24-08 |
| Chain of Custody No: | 5390 | Date Received: | 09-24-08 |
| Sample Matrix: | Soil | Date Extracted: | 09-29-08 |
| Preservative: | Cool | Date Analyzed: | 09-29-08 |
| Condition: | Intact | Analysis Needed: | TPH-418.1 |

| Parameter | Concentration (mg/kg) | Det. Limit (mg/kg) |
|---|---|---|
| **Total Petroleum Hydrocarbons** | **326** | **5.0** |

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: **V-da Well #2.**

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 418.1
## TOTAL PETROLEUM HYDROCARBONS

| | | | |
|---|---|---|---|
| Client: | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Floor Sample | Date Reported: | 10-03-08 |
| Laboratory Number: | 47439 | Date Sampled: | 09-24-08 |
| Chain of Custody No: | 5390 | Date Received: | 09-24-08 |
| Sample Matrix: | Soil | Date Extracted: | 09-29-08 |
| Preservative: | Cool | Date Analyzed: | 09-29-08 |
| Condition: | Intact | Analysis Needed: | TPH-418.1 |

| Parameter | Concentration (mg/kg) | Det. Limit (mg/kg) |
|---|---|---|
| **Total Petroleum Hydrocarbons** | **33.2** | **5.0** |

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: **V-da Well #2.**

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 418.1
## TOTAL PETROLEUM HYDROCARBONS

| | | | |
|---|---|---|---|
| Client: | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Background | Date Reported: | 10-03-08 |
| Laboratory Number: | 47440 | Date Sampled: | 09-24-08 |
| Chain of Custody No: | 5390 | Date Received: | 09-24-08 |
| Sample Matrix: | Soil | Date Extracted: | 09-29-08 |
| Preservative: | Cool | Date Analyzed: | 09-29-08 |
| Condition: | Intact | Analysis Needed: | TPH-418.1 |

| Parameter | Concentration (mg/kg) | Det. Limit (mg/kg) |
|---|---|---|
| **Total Petroleum Hydrocarbons** | **22.6** | **5.0** |

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: **V-da Well #2.**

Analyst

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 418.1
## TOTAL PETROLEUM HYROCARBONS
## QUALITY ASSURANCE REPORT

| | | | |
|---|---|---|---|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | QA/QC | Date Reported: | 09-30-08 |
| Laboratory Number: | 09-29-TPH.QA/QC 47289 | Date Sampled: | N/A |
| Sample Matrix: | Freon-113 | Date Analyzed: | 09-29-08 |
| Preservative: | N/A | Date Extracted: | 09-29-08 |
| Condition: | N/A | Analysis Needed: | TPH |

| Calibration | I-Cal Date | C-Cal Date | I-Cal RF: | C-Cal RF: | % Difference | Accept. Range |
|---|---|---|---|---|---|---|
| | 09-18-08 | 09-29-08 | 1,660 | 1,540 | 7.2% | +/- 10% |

| Blank Conc. (mg/Kg) | Concentration | Detection Limit |
|---|---|---|
| TPH | ND | 13.3 |

| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept. Range |
|---|---|---|---|---|
| TPH | 1,660 | 1,690 | 1.8% | +/- 30% |

| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept Range |
|---|---|---|---|---|---|
| TPH | 1,660 | 2,000 | 3,850 | 105% | 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 47289, 47427, 47438 - 47440 and 47465.**

Analyst

Review

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## Chloride

| | | | |
|---|---|---|---|
| Client: | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Well Sample | Date Reported: | 10-03-08 |
| Lab ID#: | 47438 | Date Sampled: | 09-24-08 |
| Sample Matrix: | Soil | Date Received: | 09-24-08 |
| Preservative: | Cool | Date Analyzed: | 10-01-08 |
| Condition: | Intact | Chain of Custody: | 5390 |

| Parameter | Concentration (mg/Kg) |
|---|---|
| **Total Chloride** | **60.0** |

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: **V-da Well #2.**

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## Chloride

| | | | |
|---|---|---|---|
| Client: | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Floor Sample | Date Reported: | 10-03-08 |
| Lab ID#: | 47439 | Date Sampled: | 09-24-08 |
| Sample Matrix: | Soil | Date Received: | 09-24-08 |
| Preservative: | Cool | Date Analyzed: | 10-01-08 |
| Condition: | Intact | Chain of Custody: | 5390 |

| Parameter | Concentration (mg/Kg) |
|---|---|
| **Total Chloride** | **75.0** |

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: **V-da Well #2.**

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## Chloride

| | | | |
|---|---|---|---|
| Client: | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Background | Date Reported: | 10-03-08 |
| Lab ID#: | 47440 | Date Sampled: | 09-24-08 |
| Sample Matrix: | Soil | Date Received: | 09-24-08 |
| Preservative: | Cool | Date Analyzed: | 10-01-08 |
| Condition: | Intact | Chain of Custody: | 5390 |

| Parameter | Concentration (mg/Kg) |
|---|---|
| **Total Chloride** | **39.0** |

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: **V-da Well #2.**

Analyst

Review

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December 12, 2008

Ms. Philana Thompson
Merrion Oil & Gas
610 Reilly Ave
Farmington, NM 87401

Phone: (505) 324-5301
Fax: (505) 324-5350

Client No.: 03048-009

Dear Ms. Thompson,

Enclosed are the analytical results for the samples collected from the location know as "VDA #2". Two soil samples were collected by Merrion Oil & Gas designated personnel on 12/05/08, and received by the Envirotech laboratory on 12/05/08 for BTEX per USEPA Method 8021, Total Petroleum Hydrocarbons (TPH) per USEPA Method 8015 Total Petroleum Hydrocarbons (TPH) per USEPA Method 418.1 and Chloride.

The samples were documented on Envirotech Chain of Custody No. 5873. The samples were assigned Laboratory No. 48415 (Pit Walls) and 48416 (Pit Bottom) for tracking purposes.

The samples were analyzed 12/08/08 - 12/11/08 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
**Envirotech, Inc.**

Christine M. Walters
Laboratory Manager
enc.

RECEIVED
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# CHAIN OF CUSTODY RECORD

5873

| Client: | Project Name / Location: |
|---|---|
| Merrion Oil & Gas | UDA #2 |
| **Client Address:** | **Sampler Name:** |
| 610 Reilly Ave | Russell Moss |
| **Client Phone No.:** | **Client No.:** |
| 324-5300 | 03048-0009 |

| Sample No./ Identification | Sample Date | Sample Time | Lab No. | Sample Matrix | No./Volume of Containers | Preservative $HgCl_2$ | Preservative HCl | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | RCI | TCLP with H/P | PAH | TPH (418.1) | CHLORIDE | | | | Sample Cool | Sample Intact |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pit Walls | 12-5-08 | 10:00 AM | 48415 | (Soil) Solid Sludge Aqueous | 1-4oz | | | ✓ | ✓ | | | | | | | ✓ | ✓ | | | | ✓ | ✓ |
| Pit Bottom | 12-5-08 | 10:15 AM | 48416 | (Soil) Solid Sludge Aqueous | 1-4oz | | | ✓ | ✓ | | | | | | | ✓ | ✓ | | | | ✓ | ✓ |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| Russell Moss | 12-5-08 | 11:32 | [signature] | 12-5-08 | 11:32 |
| Relinquished by: (Signature) | | | Received by: (Signature) | | |
| Relinquished by: (Signature) | | | Received by: (Signature) | | |

RESULTS TO
Philana Thompson
947-6126

ENVIROTECH INC.
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# EPA METHOD 8015 Modified
# Nonhalogenated Volatile Organics
# Total Petroleum Hydrocarbons

| | | | |
|---|---|---|---|
| Client | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Pit Walls | Date Reported: | 12-12-08 |
| Laboratory Number: | 48415 | Date Sampled: | 12-05-08 |
| Chain of Custody No: | 5873 | Date Received: | 12-05-08 |
| Sample Matrix: | Soil | Date Extracted: | 12-10-08 |
| Preservative: | Cool | Date Analyzed: | 12-11-08 |
| Condition | Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|---|---|---|
| **Gasoline Range (C5 - C10)** | **ND** | **0.2** |
| **Diesel Range (C10 - C28)** | **ND** | **0.1** |
| **Total Petroleum Hydrocarbons** | **ND** | **0.2** |

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **UDA #2**

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Analyst

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# EPA METHOD 8015 Modified
# Nonhalogenated Volatile Organics
# Total Petroleum Hydrocarbons

| | | | |
|---|---|---|---|
| Client: | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Pit Bottom | Date Reported: | 12-12-08 |
| Laboratory Number: | 48416 | Date Sampled: | 12-05-08 |
| Chain of Custody No: | 5873 | Date Received. | 12-05-08 |
| Sample Matrix: | Soil | Date Extracted | 12-10-08 |
| Preservative | Cool | Date Analyzed: | 12-11-08 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|---|---|---|
| **Gasoline Range (C5 - C10)** | **ND** | **0.2** |
| **Diesel Range (C10 - C28)** | **ND** | **0.1** |
| **Total Petroleum Hydrocarbons** | **ND** | **0.2** |

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **UDA #2**

Analyst

Review

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## EPA Method 8015 Modified
### Nonhalogenated Volatile Organics
### Total Petroleum Hydrocarbons

## Quality Assurance Report

| | | | |
|---|---|---|---|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | 12-11-08 QA/QC | Date Reported: | 12-12-08 |
| Laboratory Number: | 48407 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 12-11-08 |
| Condition: | N/A | Analysis Requested | TPH |

| | I-Cal Date | I-Cal RF | C-Cal RF | % Difference | Accept. Range |
|---|---|---|---|---|---|
| **Gasoline Range C5 - C10** | 05-07-07 | 9.9665E+002 | 9.9705E+002 | **0.04%** | **0 - 15%** |
| **Diesel Range C10 - C28** | 05-07-07 | 1.0059E+003 | 1.0063E+003 | **0.04%** | **0 - 15%** |

| Blank Conc. (mg/L - mg/Kg) | Concentration | Detection Limit |
|---|---|---|
| **Gasoline Range C5 - C10** | **ND** | **0.2** |
| **Diesel Range C10 - C28** | **ND** | **0.1** |
| **Total Petroleum Hydrocarbons** | **ND** | **0.2** |

| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept. Range |
|---|---|---|---|---|
| **Gasoline Range C5 - C10** | **ND** | **ND** | **0.0%** | **0 - 30%** |
| **Diesel Range C10 - C28** | **15.3** | **16.3** | **3.2%** | **0 - 30%** |

| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept. Range |
|---|---|---|---|---|---|
| **Gasoline Range C5 - C10** | **ND** | **250** | **246** | **98.4%** | **75 - 125%** |
| **Diesel Range C10 - C28** | **15.3** | **250** | **263** | **99.2%** | **75 - 125%** |

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **QA/QC for Samples 48407 - 48412, 48415, 48416,, 48420, and 48421.**

Analyst

Review

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## EPA METHOD 8021
## AROMATIC VOLATILE ORGANICS

| | | | |
|---|---|---|---|
| Client | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Pit Walls | Date Reported: | 12-12-08 |
| Laboratory Number: | 48415 | Date Sampled: | 12-05-08 |
| Chain of Custody. | 5873 | Date Received: | 12-05-08 |
| Sample Matrix: | Soil | Date Analyzed: | 12-11-08 |
| Preservative: | Cool | Date Extracted: | 12-10-08 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|---|---|---|
| **Benzene** | **1.7** | **0.9** |
| **Toluene** | **18.3** | **1.0** |
| **Ethylbenzene** | **3.5** | **1.0** |
| **p,m-Xylene** | **2.0** | **1.2** |
| **o-Xylene** | **2.9** | **0.9** |
| **Total BTEX** | **28.4** | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|---|---|---|
| | **Fluorobenzene** | **98.0 %** |
| | **1,4-difluorobenzene** | **98.0 %** |
| | **Bromochlorobenzene** | **98.0 %** |

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:** **UDA #2**

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Analyst

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## EPA METHOD 8021
## AROMATIC VOLATILE ORGANICS

| | | | |
|---|---|---|---|
| Client: | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Pit Bottom | Date Reported: | 12-12-08 |
| Laboratory Number: | 48416 | Date Sampled: | 12-05-08 |
| Chain of Custody: | 5873 | Date Received: | 12-05-08 |
| Sample Matrix: | Soil | Date Analyzed: | 12-11-08 |
| Preservative: | Cool | Date Extracted: | 12-10-08 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|---|---|---|
| **Benzene** | **1.6** | **0.9** |
| **Toluene** | **10.8** | **1.0** |
| **Ethylbenzene** | **4.1** | **1.0** |
| **p,m-Xylene** | **10.7** | **1.2** |
| **o-Xylene** | **3.3** | **0.9** |
| **Total BTEX** | **30.5** | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|---|---|---|
| | **Fluorobenzene** | **98.0 %** |
| | **1,4-difluorobenzene** | **98.0 %** |
| | **Bromochlorobenzene** | **98.0 %** |

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:** **UDA #2**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

# envirotech
Analytical Laboratory

## EPA METHOD 8021
## AROMATIC VOLATILE ORGANICS

| | | | |
|---|---|---|---|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 12-11-BT QA/QC | Date Reported: | 12-12-08 |
| Laboratory Number: | 48407 | Date Sampled | N/A |
| Sample Matrix | Soil | Date Received: | N/A |
| Preservative | N/A | Date Analyzed | 12-11-08 |
| Condition: | N/A | Analysis | BTEX |

| Calibration and Detection Limits (ug/L) | I-Cal RF: | C-Cal RF: | %Diff. Accept. Range 0 - 15% | Blank Conc | Detect. Limit |
|---|---|---|---|---|---|
| Benzene | 1.3973E+006 | 1.4001E+006 | 0.2% | ND | 0.1 |
| Toluene | 1.3361E+006 | 1.3388E+006 | 0.2% | ND | 0.1 |
| Ethylbenzene | 1.2209E+006 | 1.2233E+006 | 0.2% | ND | 0.1 |
| p,m-Xylene | 2.9801E+006 | 2.9861E+006 | 0.2% | ND | 0.1 |
| o-Xylene | 1.2648E+006 | 1.2674E+006 | 0.2% | ND | 0.1 |

| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff. | Accept Range | Detect. Limit |
|---|---|---|---|---|---|
| Benzene | ND | ND | 0.0% | 0 - 30% | 0.9 |
| Toluene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| Ethylbenzene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| p,m-Xylene | ND | ND | 0.0% | 0 - 30% | 1.2 |
| o-Xylene | ND | ND | 0.0% | 0 - 30% | 0.9 |

| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---|---|---|---|---|---|
| Benzene | ND | 50.0 | 48.0 | 96.0% | 39 - 150 |
| Toluene | ND | 50.0 | 48.7 | 97.4% | 46 - 148 |
| Ethylbenzene | ND | 50.0 | 48.0 | 96.0% | 32 - 160 |
| p,m-Xylene | ND | 100 | 94.9 | 94.9% | 46 - 148 |
| o-Xylene | ND | 50.0 | 52.4 | 105% | 46 - 148 |

ND - Parameter not detected at the stated detection limit.

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 48407 - 48412, 48415, 48416, 48420, and 48421.**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

# EPA METHOD 418.1
# TOTAL PETROLEUM HYDROCARBONS

| | | | |
|---|---|---|---|
| Client: | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Pit Walls | Date Reported: | 12-12-08 |
| Laboratory Number: | 48415 | Date Sampled: | 12-05-08 |
| Chain of Custody No: | 5873 | Date Received: | 12-05-08 |
| Sample Matrix: | Soil | Date Extracted: | 12-08-08 |
| Preservative: | Cool | Date Analyzed: | 12-08-08 |
| Condition: | Intact | Analysis Needed: | TPH-418.1 |

| Parameter | Concentration (mg/kg) | Det. Limit (mg/kg) |
|---|---|---|
| **Total Petroleum Hydrocarbons** | **52.1** | **5.0** |

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: **UDA #2**

Analyst

Review

DEC 18 2008

5796 US Highway 64, Farmington, NM 87401 | Ph (505)632-0615 Fr (800)362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

**EPA METHOD 418.1**
**TOTAL PETROLEUM HYDROCARBONS**

| | | | |
|---|---|---|---|
| Client: | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Pit Bottom | Date Reported: | 12-12-08 |
| Laboratory Number: | 48416 | Date Sampled: | 12-05-08 |
| Chain of Custody No: | 5873 | Date Received: | 12-05-08 |
| Sample Matrix: | Soil | Date Extracted: | 12-08-08 |
| Preservative: | Cool | Date Analyzed: | 12-08-08 |
| Condition: | Intact | Analysis Needed: | TPH-418.1 |

| Parameter | Concentration (mg/kg) | Det. Limit (mg/kg) |
|---|---|---|
| **Total Petroleum Hydrocarbons** | **40.7** | **5.0** |

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: **UDA #2**

Analyst

Review

envirotech
Analytical Laboratory

# EPA METHOD 418.1
# TOTAL PETROLEUM HYROCARBONS
# QUALITY ASSURANCE REPORT

| | | | |
|---|---|---|---|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | QA/QC | Date Reported: | 12-12-08 |
| Laboratory Number: | 12-08-TPH.QA/QC 48387 | Date Sampled: | N/A |
| Sample Matrix: | Freon-113 | Date Analyzed: | 12-08-08 |
| Preservative: | N/A | Date Extracted: | 12-08-08 |
| Condition: | N/A | Analysis Needed: | TPH |

| Calibration | I-Cal Date | C-Cal Date | I-Cal RF: | C-Cal RF: | % Difference | Accept. Range |
|---|---|---|---|---|---|---|
| | 12-03-08 | 12-08-08 | 1,590 | 1,550 | 2.5% | +/- 10% |

| Blank Conc. (mg/Kg) | Concentration | Detection Limit |
|---|---|---|
| TPH | ND | 16.5 |

| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept. Range |
|---|---|---|---|---|
| TPH | 20.3 | 21.6 | 6.4% | +/- 30% |

| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept Range |
|---|---|---|---|---|---|
| TPH | 20.3 | 2,000 | 1,650 | 81.7% | 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 48387 - 48391, 48402 - 48405 and 48415 - 48416.**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

## Chloride

| | | | |
|---|---|---|---|
| Client: | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Pit Walls | Date Reported: | 12-12-08 |
| Lab ID#: | 48415 | Date Sampled: | 12-05-08 |
| Sample Matrix: | Soil | Date Received: | 12-05-08 |
| Preservative: | Cool | Date Analyzed: | 12-11-08 |
| Condition: | Intact | Chain of Custody: | 5873 |

| Parameter | Concentration (mg/Kg) |
|---|---|
| **Total Chloride** | **20.0** |

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: **UDA #2.**

Analyst

DEC 18 2008

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

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Analytical Laboratory

## Chloride

| | | | |
|---|---|---|---|
| Client: | Merrion Oil & Gas | Project #: | 03048-0009 |
| Sample ID: | Pit Bottom | Date Reported: | 12-12-08 |
| Lab ID#: | 48416 | Date Sampled: | 12-05-08 |
| Sample Matrix: | Soil | Date Received: | 12-05-08 |
| Preservative: | Cool | Date Analyzed: | 12-11-08 |
| Condition: | Intact | Chain of Custody: | 5873 |

| Parameter | Concentration (mg/Kg) |
|---|---|
| **Total Chloride** | **55.0** |

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: **UDA #2.**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave , 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-103
June 19, 2008

WELL API NO.
30-045-31280

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
U Da Well

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

8. Well Number #2

2. Name of Operator
Merrion Oil & Gas Corporation

9. OGRID Number
14634

3. Address of Operator
610 Reilly Ave Farmington, NM 87401

10. Pool name or Wildcat
Basin FC

4. Well Location
Unit Letter B : 1055 feet from the North line and 2221 feet from the East line
Section 2 Township 31N Range 8W NMPM San Juan County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
6710' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ | REMEDIAL WORK | ☐ | ALTERING CASING | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ | COMMENCE DRILLING OPNS. | ☐ | P AND A | ☐ |
| PULL OR ALTER CASING | ☐ | MULTIPLE COMPL | ☐ | CASING/CEMENT JOB | ☐ | | |
| DOWNHOLE COMMINGLE | ☐ | | | | | | |
| OTHER: | ☐ | | | OTHER: Seeding of Temp pit area | ☒ | | |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

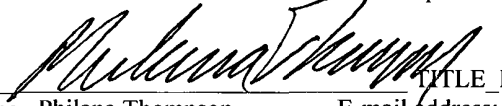
The area where the temporary pit has been buried in place was seeded 4/1/09 using BLM seed mix by drilling on the contour
BLM Seed Mix Special: >10 Inches of Percipitation

| | |
|---|---|
| Fourwing Saltbush (Atriplex Canscens) | 1.0 lbs |
| Indian Wheatgrass (Oryzopsis Hymendoides) | 1.0 lbs |
| Western Wheatgrass (Agropyron Smithii) | 2.0 lbs |
| Blue Gamma (Hatcheta or Alma) | .25 lbs |
| Small Burnet (Delar) | 1.0 lbs |
| Pubescent Wheatgrass | 2.0 lbs |
| Intermediate Wheatgrass | 2.0 lbs |
| Smooth Brome | 2.0 lbs |
| Antelope Bitterbrush | .10 lbs |

Spud Date:

Rig Release Date: 10/30/08

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Regulatory Compliance Specialist DATE 7-29-09

Type or print name Philana Thompson E-mail address: pthompson@merrion.bz PHONE: 505-354-5336

For State Use Only

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 9/24/08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 9/25/08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 9/26/08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 9/29/08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___x W_40___x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 9/30/08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: __10/1/08_____

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: _____10/2/08_____

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 10/3/08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: Philana Thompson Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 10/6/08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 10/7/08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: Philana Thompson Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 10/8/08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 10/9/08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 10/10/08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 10/15/08

·mail Address:
hompson@merrion.bz_____

it is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 10/14/08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 10/15/08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 10/16/13

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: __10/17/08_____

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 10/20/08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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: _1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 10-21-08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 10-22-08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B__Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 10-23-08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 10-24-08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B__Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 10-27-08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __400 circ_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☐ No ☒ has rig left (_____ days since rig left if yes)

Comments:_____
__verbal per john t_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: 10/28/08

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __0_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☒ No ☐ has rig left (___1____ days since rig left if yes)

Comments:_____
__verbal per john t_: hauled remaining fluid in pit to pretty lady_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: ___10/29/2008_____

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __0_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☒ No ☐ has rig left (__6____ days since rig left if yes)

Comments:_____
__verbal per Carl M_: no fluid in pit to haul_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: ___11/3/2008_____

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

# Pit Inspection Form

Unit Letter: B___Section: 2_____Township: 31N_____Range: 8W_____

County: __San Juan_____

Location Name: ___U Da Well #2_____

Number of wells to the pit: _____1_____

Total daily volume (in barrels) to the pit: __0_____

Pit Type:

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:_1140__bbl Dimensions: L_80___ x W_40___ x D_8___

Visual Inspection:

Yes ☐ No ☒ hazardous or liquids in pit
Yes ☐ No ☒ liner integrity compromised
Yes ☐ No ☒ leaks
Yes ☒ No ☐ working mud pit slides or manifold system
Yes ☐ No ☒ has it rained since the construction of the pit
Yes ☐ No ☒ Oil in pit
Yes ☐ No ☒ Debris in pit
Yes ☐ No ☒ Two ft of freeboard
Yes ☒ No ☐ has rig left (__17____ days since rig left if yes)

Comments:_____
__verbal per Carl M_: hauled 80 bbls to pretty lady_____

CERTIFICATION

I hereby certify that the information submitted is true and correct to the best of my knowledge and belief.

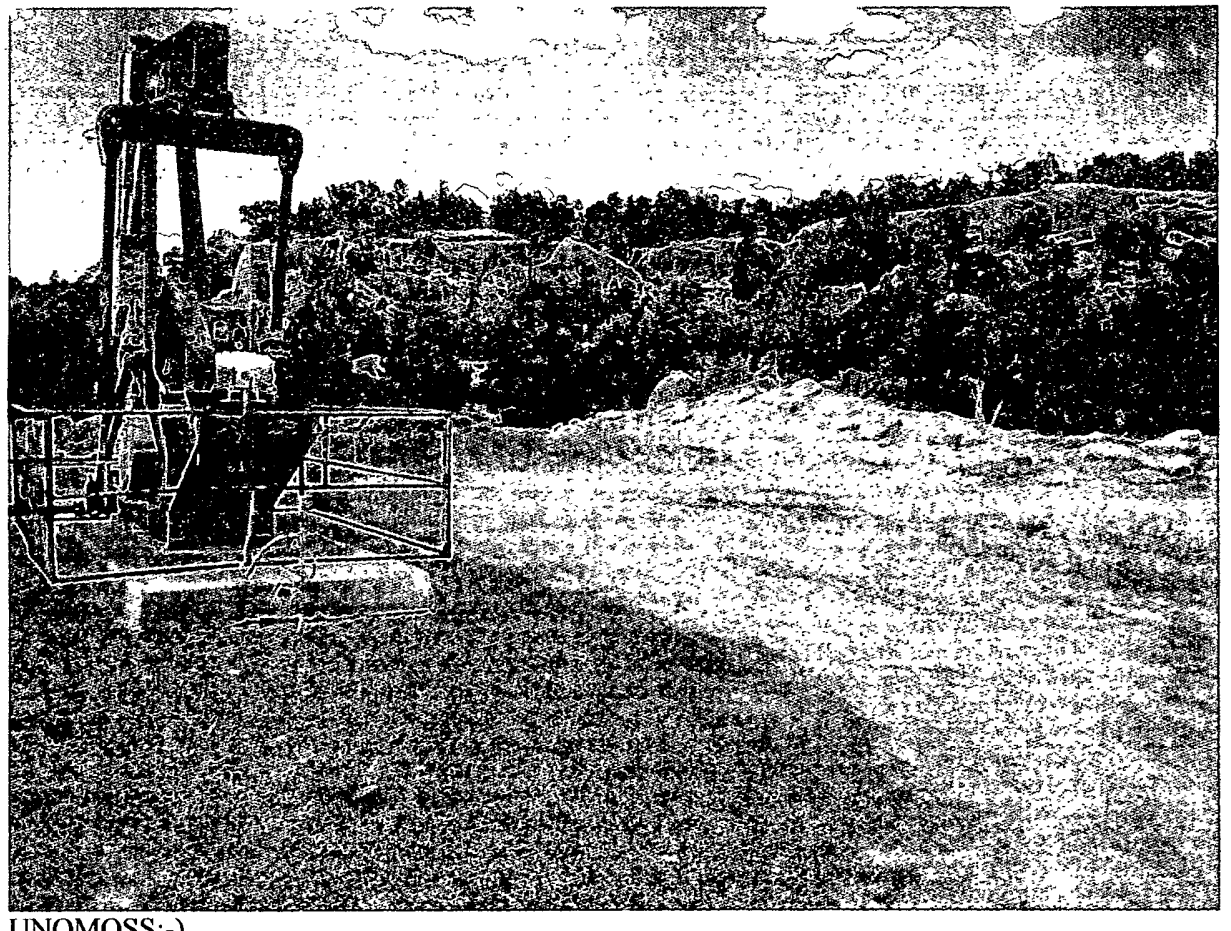
Signature: _____ Title: __Regulatory Spec._____

Printed Name: Philana Thompson_____ Date: ___11/14/2008_____

E-mail Address:
_pthompson@merrion.bz_____

A pit is defined as any below grade or surface feature which receives any materials other than fresh water.

**Axcess℠ Picture Messaging**
**See it, snap it, share it.**



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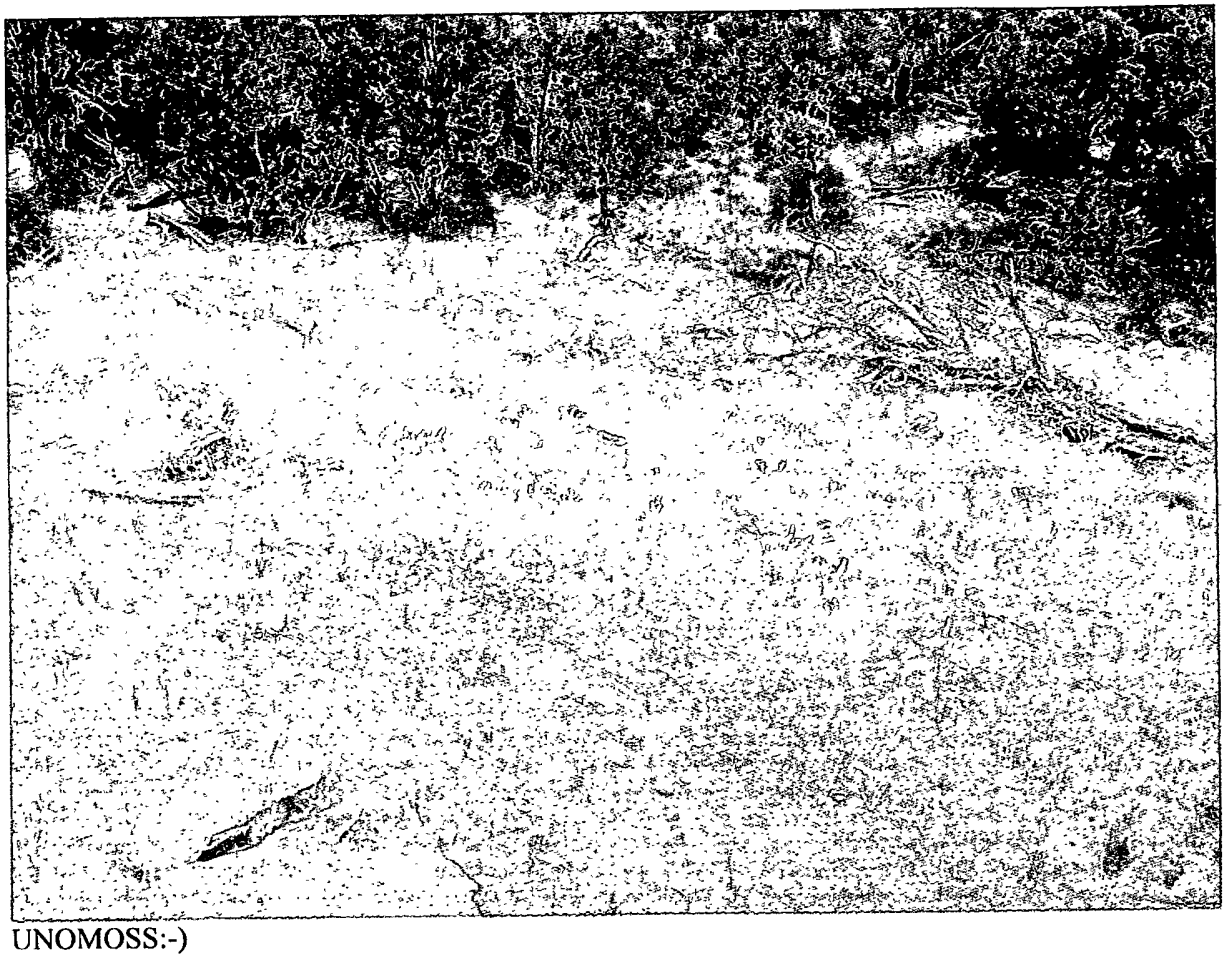
Axcess℠ Picture Messaging
See it, snap it, share it.



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**See it, snap it, share it.**

UNOMOSS:-)

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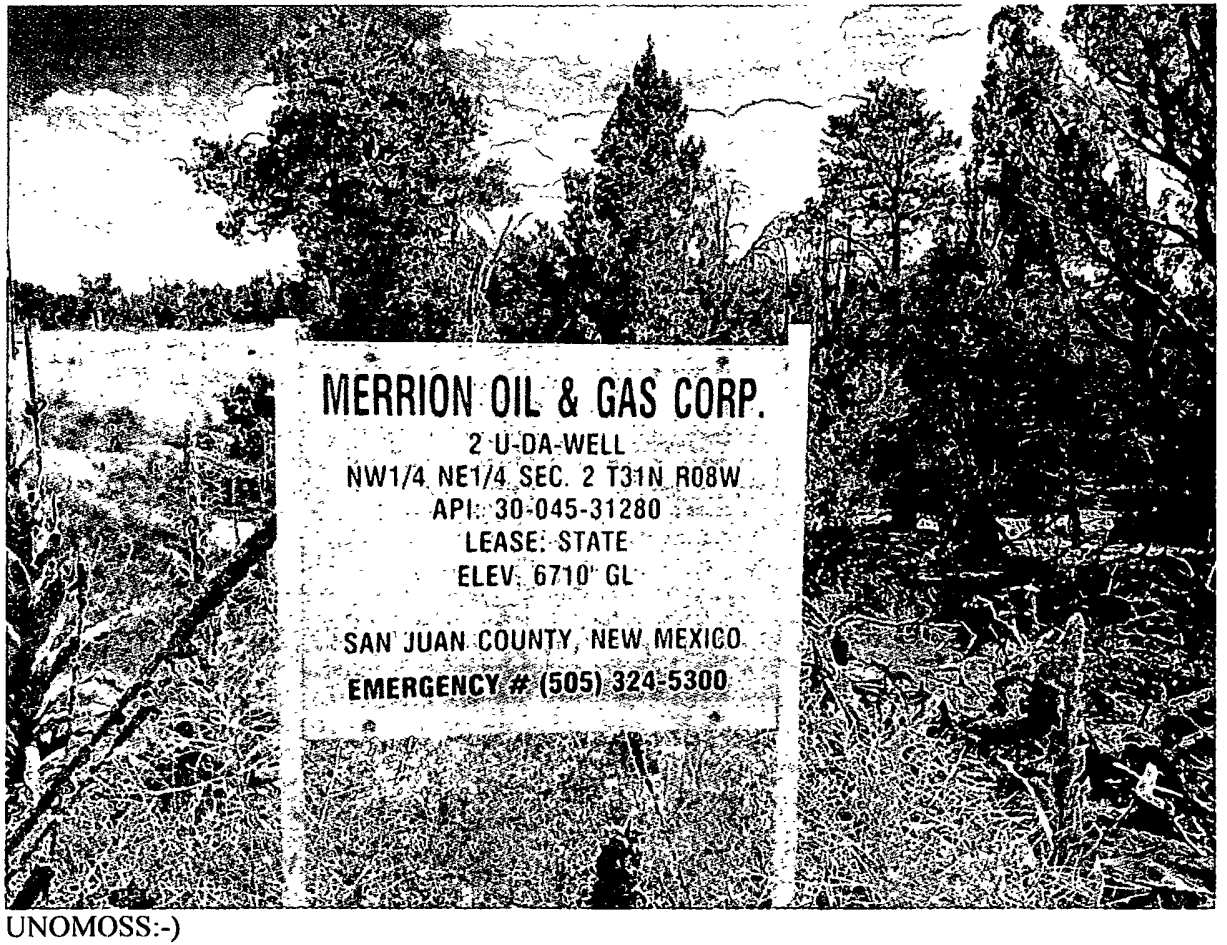
See it, snap it, share it.

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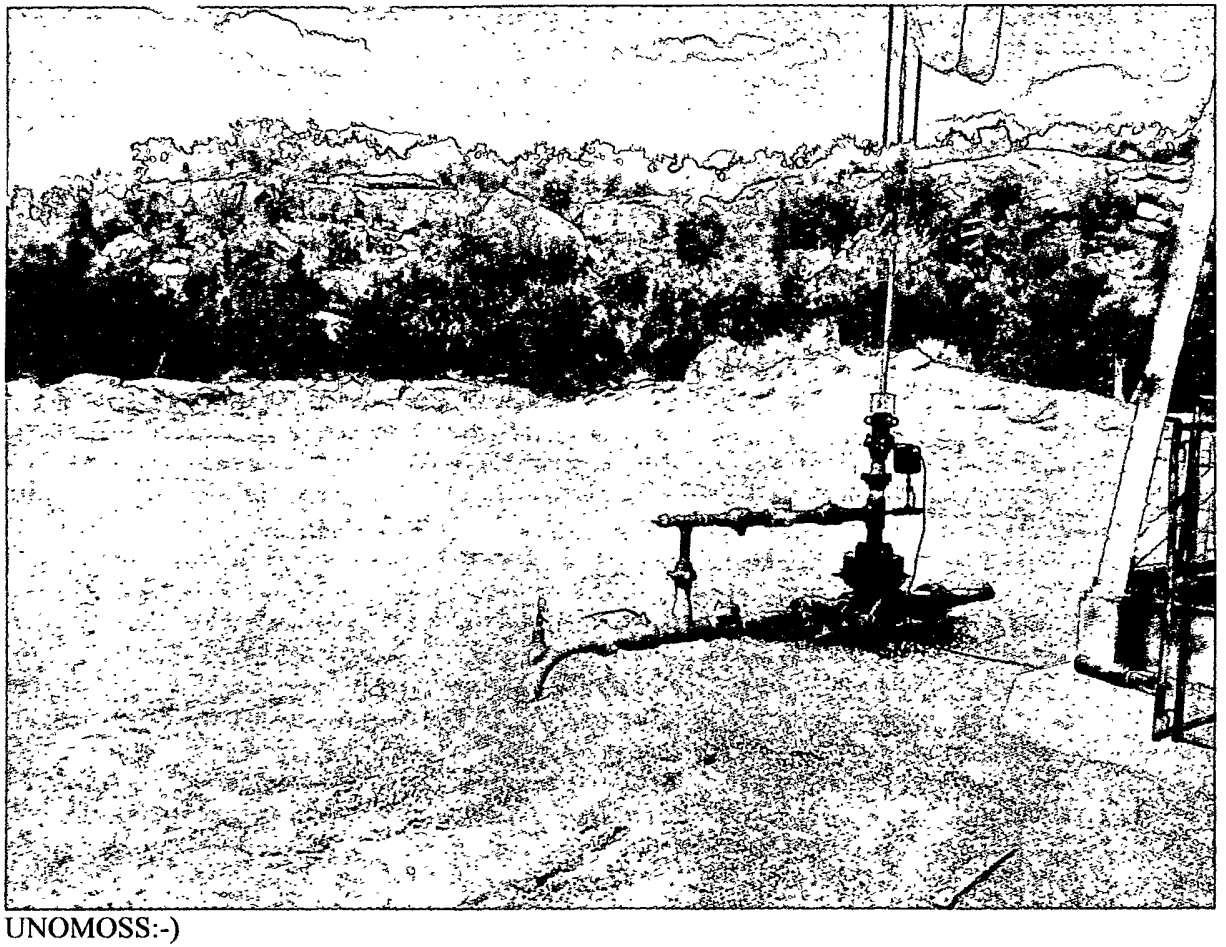

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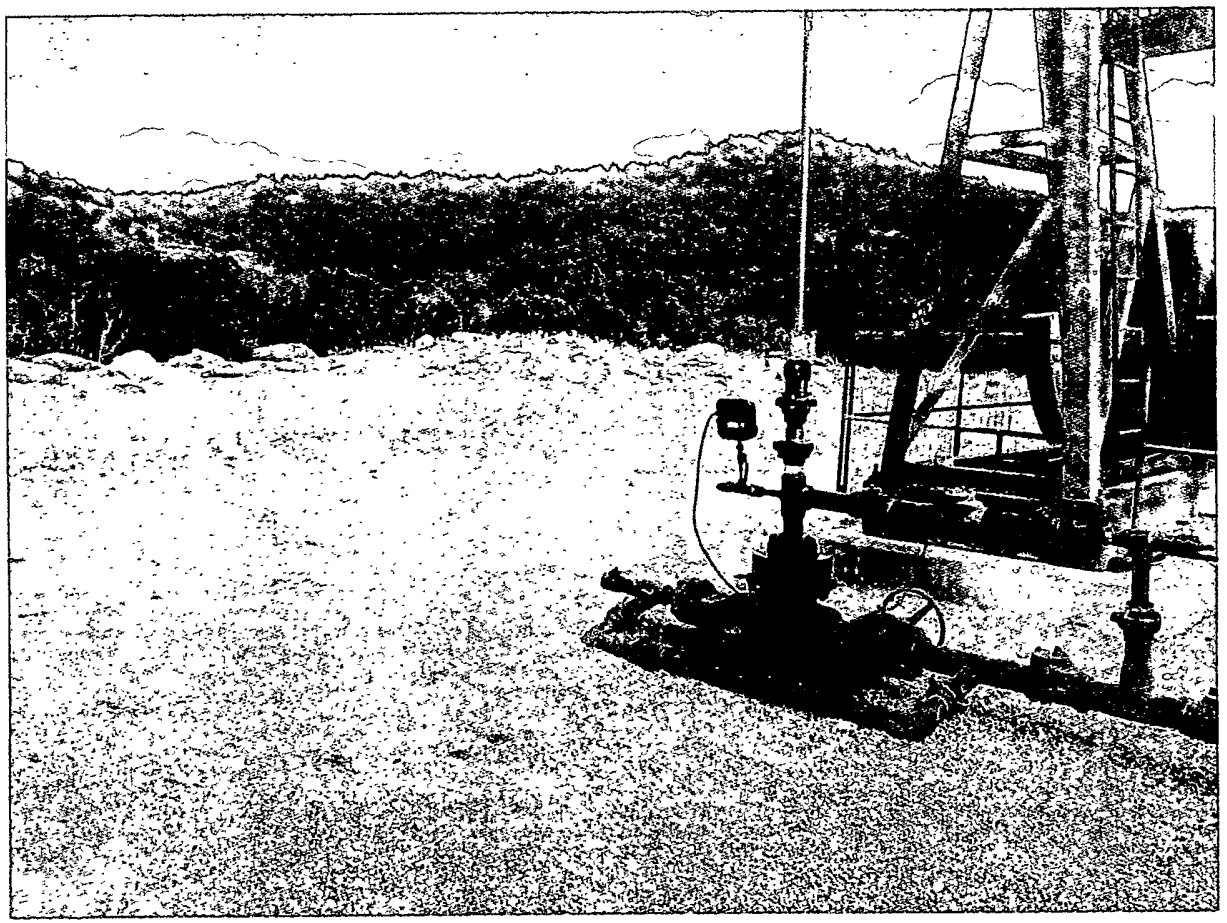

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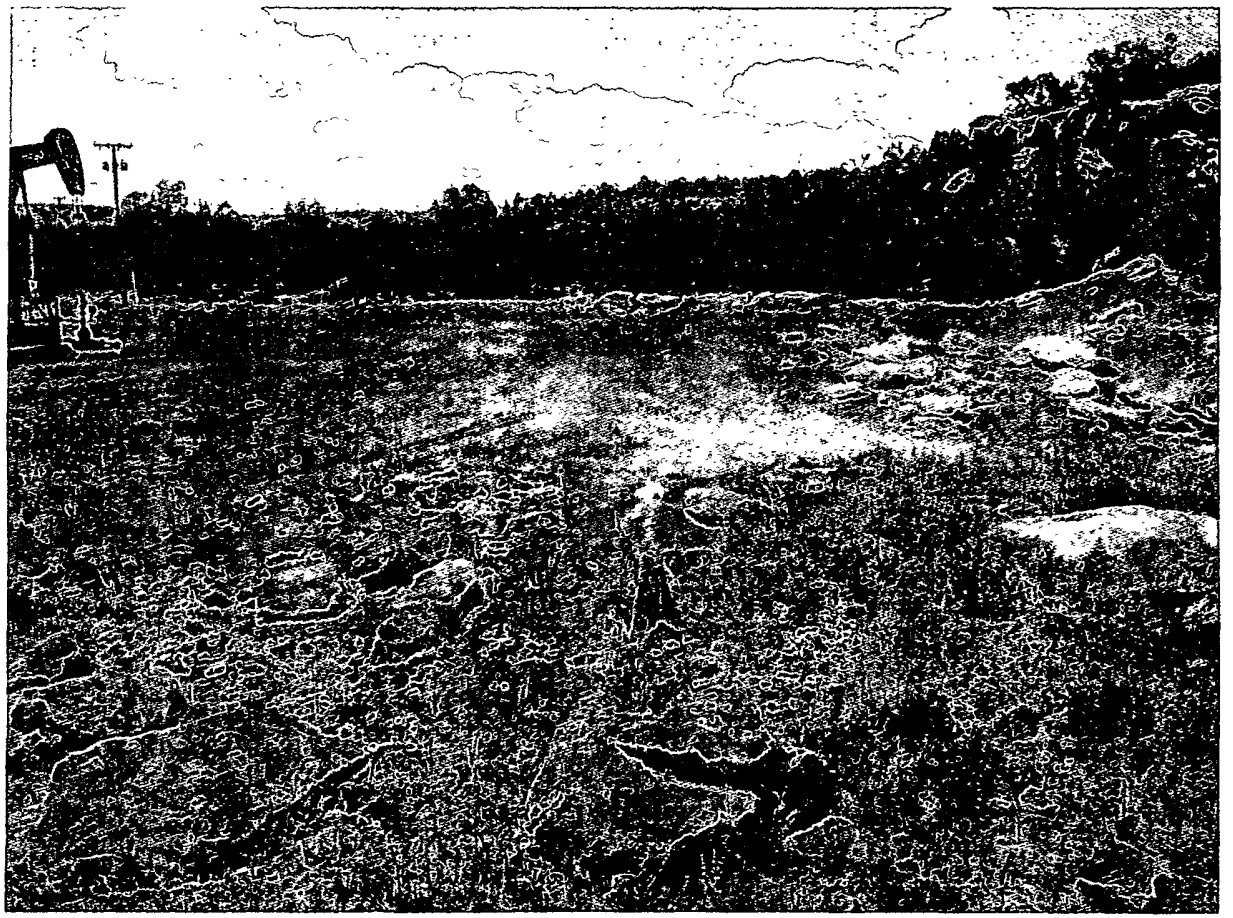

UNOMOSS:-)