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

Form C-144
July 21, 2008

**For temporary pits, closed-loop sytems, 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.

56004

# 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
- [X] 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: **Burlington Resources Oil & Gas Company, LP** OGRID#: **14538**
Address: **P.O. Box 4289, Farmington, NM 87499**
Facility or well name: **Day B 4P**
API Number: **30-045-34505** OCD Permit Number:
U/L or Qtr/Qtr: **C(NE/NW)** Section: **7** Township: **27N** Range: **8W** County: **San Juan**
Center of Proposed Design: Latitude: **36.59508** °N Longitude: **107.72545** °W NAD: [ ] 1927 [X] 1983
Surface Owner: [X] Federal [ ] State [ ] Private [ ] Tribal Trust or Indian Allotment

2
[X] **Pit:** Subsection F or G of 19.15.17.11 NMAC
Temporary: [X] Drilling [ ] Workover
[ ] Permanent [ ] Emergency [ ] Cavitation [ ] P&A
[X] Lined [ ] Unlined Liner type: Thickness **20** mil [X] LLDPE [ ] HDPE [ ] PVC [ ] Other
[X] String-Reinforced
Liner Seams: [X] Welded [X] Factory [ ] Other Volume: **4400** bbl Dimensions L **65'** x W **45'** x D **10'**

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 [ ] PVD [ ] Other
Liner Seams: [ ] Welded [ ] Factory [ ] Other

4
[ ] **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: bbl Type of fluid:
Tank Construction material:
[ ] Secondary containment with leak detection [ ] Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
[ ] Visible sidewalls and liner [ ] Visible sidewalls only [ ] Other
Liner Type: Thickness mil [ ] HDPE [ ] PVC [ ] Other

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

RECEIVED
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OIL CONS. DIV. DIST. 3



30

6

**Fencing:** Subsection D of 19.15.17.11 NMAC *(Applies to permanent pit, temporary pits, and below-grade tanks)*

☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*

☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet

☐ Alternate. Please specify _____

7

**Netting:** Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other _____

☐ Monthly inspections *(If netting or screening is not physically feasible)*

8

**Signs:** Subsection C of 19.15.17.11 NMAC

☐ 12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☒ Signed in compliance with 19.15.3.103 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 of the Santa Fe Environmental Bureau office for consideration of approval. **(Fencing/BGT Liner)**

☐ 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 watercourse, 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>*(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.**<br>*(Applied to permanent pits)*<br>- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | ☐ Yes ☐ No<br>☐ NA |
| **Within 500 horizonal 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
- ☐ 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 _____ or Permit _____

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**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 _____

☐ Previously Approved Operating and Maintenance Plan API _____

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 (I) 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 H2S, 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
- ☐ 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

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**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 identify 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 #: _____

Disposal Facility Name: _____ Disposal Facility Permit #: _____

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

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

☐ Soil Backfill and Cover Design Specification - 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 appropraite requirements of Subsection G of 19.15.17.13 NMAC

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**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>☐ N/A |
| 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>☐ N/A |
| 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>☐ N/A |
| 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 fee of any other fresh water well or spring, in existence at the time of the 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 confiramtion 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 |

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

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

19

**Operator Application Certification:**

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

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

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

**OCD Representative Signature:** _____ **Approval Date:** 3/4/11

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

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**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:** June 19, 2008

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**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 identify 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 opeartions?

☐ Yes (If yes, please demonstrate complilane 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

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**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 (if applicable)

☒ 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: **36.59503** °N Longitude: **107.72534** °W NAD ☐ 1927 ☒ 1983

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**Operator Closure Certification:**

*I hereby certify that the information and attachments submitted with this closure report is ture, 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): Marie E. Jaramilllo Title: Staff Regulatory Technician

Signature: _____ Date: 3/5/10

e-mail address: marie.e.jaramillo@conocophillips.com Telephone: 505-326-9865

**Burlington Resources Oil Gas Company, LP**
**San Juan Basin**
**Closure Report**

## Lease Name: DAY B 4P
## API No.: 30-045-34505

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure of the temporary pit referenced above. All proper documentation regarding closure activities is being included with the C-144. The temporary pit for this location was constructed and location drilled before June 16, 2008 (effective date for Rule 19.15.17). While closure of the temporary pit did fall within the rule some dates for submittals are after the rig release date.

- Details on Capping and Covering, where applicable. **(See report)**
- Plot Plan (Pit Diagram) **(Included as an attachment)**
- Inspection Reports **(Included as an attachment)**
- Sampling Results **(Included as an attachment)**
- C-105 **(Included as an attachment)**
- Copy of Deed Notice will be filed with County Clerk **(Not required on Federal, State, or Tribal land as stated by FAQ dated October 30, 2008)**

**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.

   **All recovered liquids were disposed of at Basin Disposal (Permit #NM-01-005) and any sludge or soil required to be removed to facilitate closure was hauled to Envirotech Land Farm (Permit #NM-01-011) and JFJ Landfarm % IEI (Permit #NM-01-0010B).**

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.

   **The pit was closed using onsite burial.**

3. The surface owner shall be notified of BR's closing of the temporary pit as per the approved closure plan using certified mail, return receipt requested.

   **The closure process notification to the landowner was sent via email. (See Attached)(Well located on Federal Land, certified mail is not required for Federal Land per BLM/OCD MOU.)**

4. Within 6 months of the Rig Off status occurring BR will ensure that temporary pits are closed, re-contoured, and reseeded.

   **Provision 4 of the closure plan requirements were not met due to rig move off date as noted on C-105 which was prior to pit rule change. Burlington will ensure compliance with this rule in the future.**

5. Notice of Closure will be given to the Aztec Division office between 72 hours and one week of closure via email, or verbally. The notification of closure will include the following:
   i. Operator's name
   ii. Location by Unit Letter, Section, Township, and Range. Well name and API number.

   **Notification is attached.**

6. Liner of temporary pit shall be removed above "mud level" after stabilization. Removal of liner will consist of manually or mechanically cutting liner at mud level and removing all remaining liner. Care will be taken to remove "All" of the liner i.e., edges of liner entrenched or buried. All excessive liner will be disposed of at a licensed disposal facility.

**Liner of temporary pit was removed above "mud level" after stabilization. Removal of the liner consisted of manually cutting 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 a licensed disposal facility, (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 a safe and stable. The mixing ratio shall not exceed 3 parts clean soil to 1 part pit contents.

**Burlington mixed the Pit contents with non-waste containing, earthen material in order to achieve the solidification process. The solidification process was accomplished by using a combination of natural drying and mechanically mixing. Pit contents were mixed with non-waste, earthen material to a consistency that is deemed as safe and stable. The mixing ratio consisted of approximately 3 parts clean soil to 1 part pit contents.**

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 per Subsection B of 19.15.17.1 3(B)( 1 )(b). (Sample results attached).**

| Components | Tests Method | Limit (mg/Kg) | Results |
|---|---|---|---|
| Benzene | EPA SW-846 8021B or 8260B | 0.2 | 1.1 ug/kg |
| BTEX | EPA SW-846 8021B or 8260B | 50 | 63.4 ug/kG |
| TPH | EPA SW-846 418.1 | 2500 | 1,850mg/kg |
| GRO/DRO | EPA SW-846 8015M | 500 | 86.8 mg/Kg |
| Chlorides | EPA 300.1 | 1000/500 | 57.0 mg/L |

9. Upon completion of solidification and testing standards being passed, the pit area will be backfilled with compacted, non-waste containing, earthen material. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater. If standard testing fails BR 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.

**The pit material passed *solidification and testing standards*. The pit area was then backfilled with compacted, non-waste containing, earthen material. More than four feet of cover was achieved and the cover included one foot of suitable material to establish vegetation at the site.**

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

**The integrity of the liner was not damaged in the pit closure process.**

11. Dig and Haul Material will be transported to the Envirotech Land Farm located 16 miles south of Bloomfield on Angel Peak Road, CR 7175. Permit # NM010011

**Dig and Haul was not required.**

12. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. 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 place in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.

    **The pit area was re-contoured to match fit, shape, line, form and texture of the surrounding area. Re-shaping included drainage control, to prevent ponding and 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 has a uniform appearance with smooth surface, fitting the natural landscape.**

13. Notification will be sent to OCD when the reclaimed area is seeded.

    **Provision 13 was accomplished through complying with BLM seeding requirements as allowed by the BLM/OCD MOU.**

14. BR shall seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will 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.

    **Provision 14 was accomplished through complying with BLM seeding requirements as allowed by the BLM/OCD MOU.**

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

    **Provision 15 was accomplished by installing a steel marker in the temporary pit, no less than four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial. The marker is flush with the ground to allow access of the active well pad and for safety concerns. The top of the marker contains a welded steel 12" square plate that indicates the onsite burial of the temporary pit. The plate contains the following: Operator Name, Lease Name, Well Name and number, Unit Number, Section, Township, Range and an indicator that the marker is an onsite burial location.**

    **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 following operator's information at the time of all wells on the pad are abandoned. The riser will be labeled: BR, BLM, DAY B 4P, UL-C, Sec. 7, T 27N, R 8W, API # 30-045-34505.**

## Tafoya, Crystal

**From:** Tafoya, Crystal
**Sent:** Thursday, July 10, 2008 8:16 AM
**To:** 'mark_kelly@nm.blm.gov'
**Subject:** OCD Pit Closure Notification

The following temporary pits will be closed on-site. The new OCD Pit Rule 17 requires the surface owner be notified. Please feel free to contact me at any time if you have any questions. Thank you!

Allison Unit 2B
Allison Unit 40N
Angel Peak B 27E
Ballard 11F
Cain 725S
Canyon Largo Unit 250N
Canyon Largo Unit 279E
Canyon Largo Unit 288E
Canyon largo Unit 297E
Canyon Largo Unit 465E
Carson SRC 4E
Day B 4P
Day B 5A
East 17S
EPNG A 1B
EPNG B 1M
Federal A 1E
Filan 5M
Filan 5N
Fogelson 4 100
Fogelson 4 100S
Grambling C 202S
Hagood 19
Hamner 9S
Hardie 4P
Hare 295
Heaton Com 100
Helms Federal 1G
Howell 12
Huerfanito Unit 103F
Huerfanito Unit 29S
Huerfanito Unit 39S
Huerfanito Unit 47S
Huerfanito Unit 50E
Huerfanito Unit 75E
Huerfanito Unit 83E
Huerfanito Unit 87E
Huerfanito Unit 90E
Huerfanito Unit 90M
Huerfanito Unit 98S
Huerfano Unit 108F
Huerfano Unit 282E
Huerfano unit 305
Huerfano unit 307
Huerfano Unit 554
Johnston Federal 24S

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 South St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

| [1] API Number | [2] Pool Code | Pool Name |
|---|---|---|
| | | BASIN DAKOTA/BLANCO MESAVERDE |

| [4] Property Code | [5] Property Name | [6] Well Number |
|---|---|---|
| | DAY B | 4P |

| [7] OGRID No | Operator Name | Elevation |
|---|---|---|
| | BURLINGTON RESOURCES OIL & GAS COMPANY LP | 6751 |

## [10] Surface Location

| UL or lot no | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| C | 7 | 27-N | 8-W | | 660 | NORTH | 1625 | WEST | SAN JUAN |

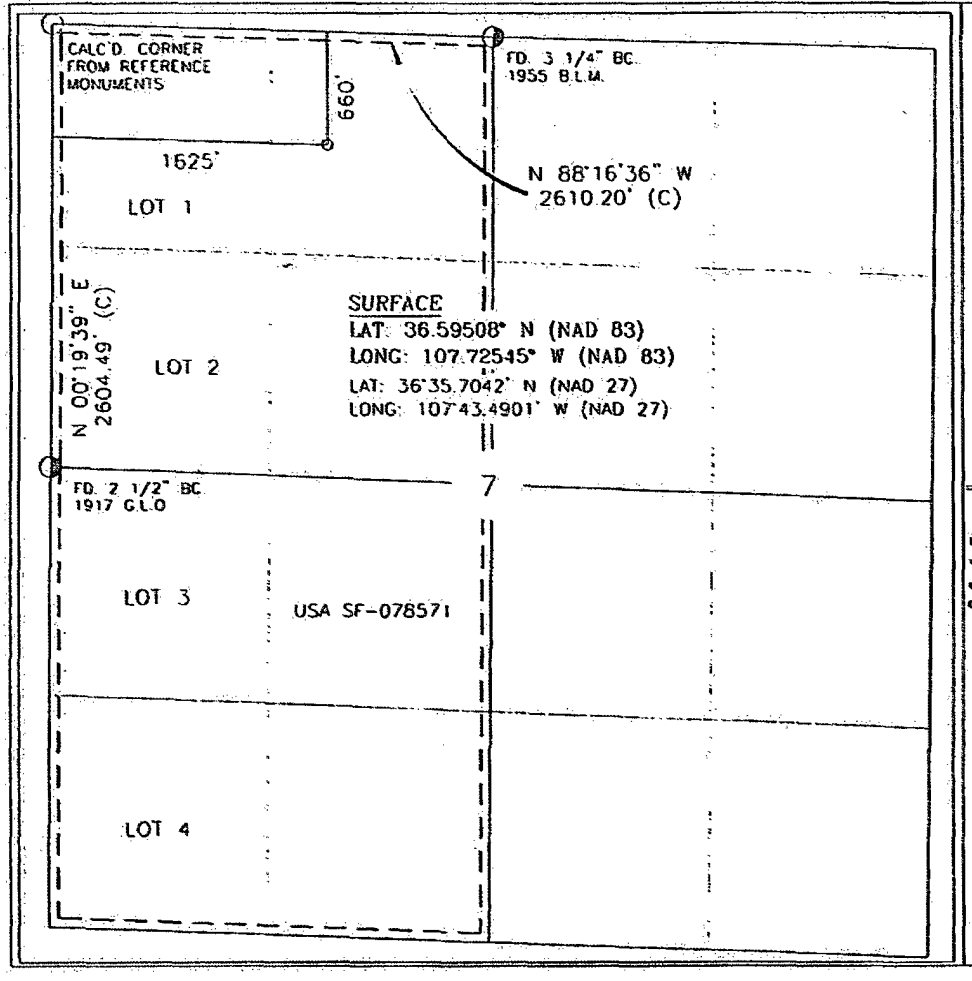
## [11] Bottom Hole Location If Different From Surface

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

| [12] Dedicated Acres | [13] Joint or Infill | [14] Consolidation Code | [15] Order No. |
|---|---|---|---|
| 320.44 | | | |

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

16




## [17] OPERATOR CERTIFICATION

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

Signature Date

Printed Name

## [18] SURVEYOR CERTIFICATION

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

AUGUST 31, 2007

Date of Survey

Signature and Seal of Professional Surveyor

ROY A. RUSH
NEW MEXICO
8894
REGISTERED PROFESSIONAL LAND SURVEYOR

Certificate Number

# BURLINGTON RESOURCES OIL & GAS COMPANY LP

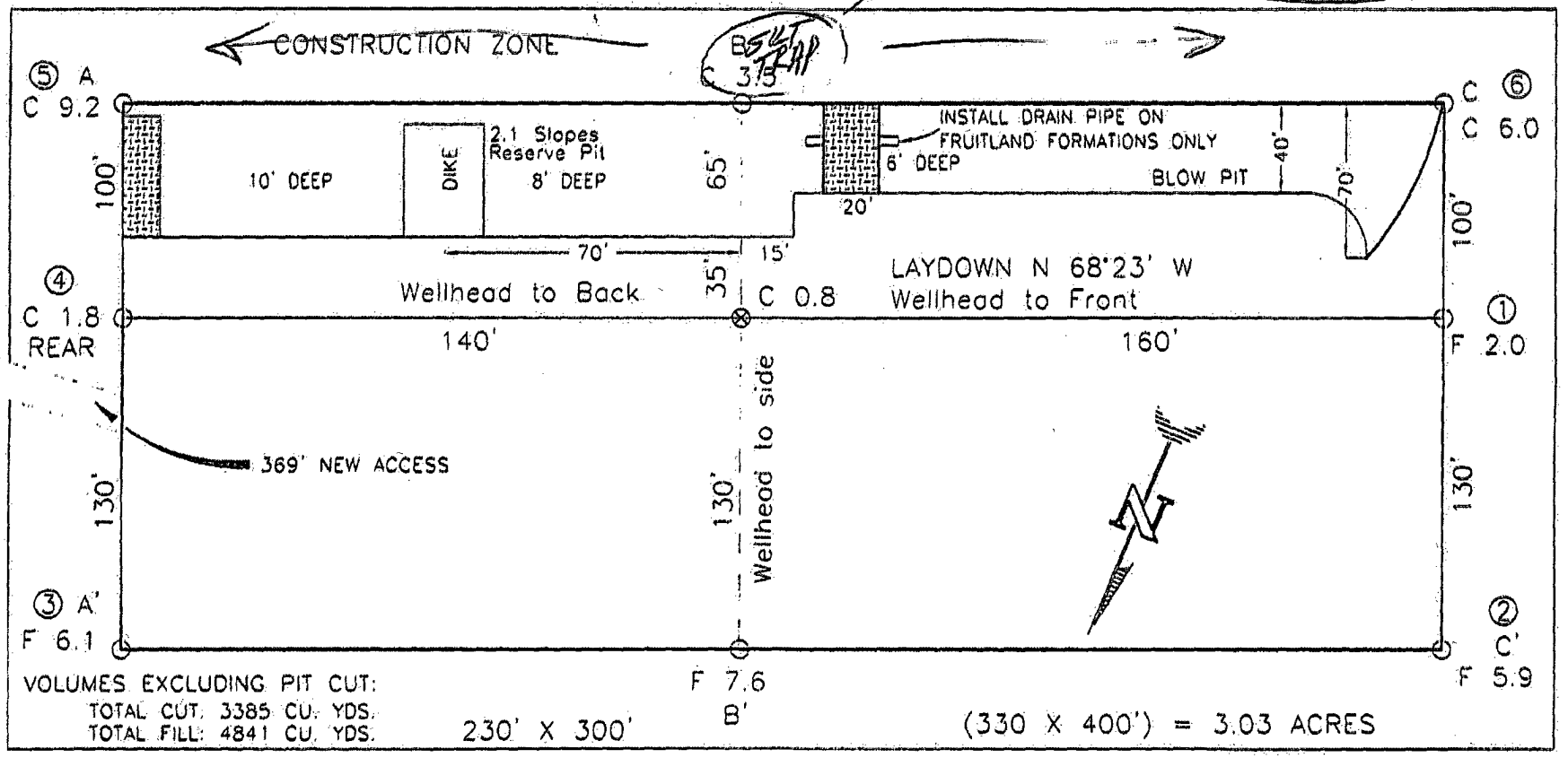
## DAY B No. 4P, 660 FNL 1625 FWL

SECTION 7, T-27-N, R-8-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 6751, DATE: AUGUST 31, 2007

NAD 83
LAT. = 36.59508° N.
LONG. = 107.72545° W.

NAD 27
LAT. = 36°35.7042' N.
LONG. = 107°43.4901' W.




RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

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

NOTE: ESTIMATED VOLUMES CALCULATED BY AVERAGE END AREA AT CROSS-SECTION SHOWN

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

| REVISION | DATE | REVISED BY |
|---|---|---|
| | | |


Daggett Enterprises, Inc.
Surveying and Oil Field Services
P. O. Box 510 Farmington, NM 87499
Phone (505) 326-1772 Fax (505) 326-6019
NEW MEXICO L.S. 8894


| DRAWN BY C.V. | CADFILE BR684_PLB |
|---|---|
| ROW: BR684 | DATE 9/13/07 |

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

| | | | |
|---|---|---|---|
| Client: | ConocoPhillips | Project #: | 96052-0026 |
| Sample ID: | Day B #4P | Date Reported: | 06-25-08 |
| Laboratory Number: | 45957 | Date Sampled: | 06-18-08 |
| Chain of Custody No: | 3819 | Date Received: | 06-19-08 |
| Sample Matrix: | Soil | Date Extracted: | 06-23-08 |
| Preservative: | Cool | Date Analyzed: | 06-23-08 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|---|---|---|
| **Gasoline Range (C5 - C10)** | **2.9** | **0.2** |
| **Diesel Range (C10 - C28)** | **83.9** | **0.1** |
| **Total Petroleum Hydrocarbons** | **86.8** | **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: **Drill Mud.**

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: | ConocoPhillips | Project #: | 96052-0026 |
| Sample ID: | Day B #4P Background | Date Reported: | 06-25-08 |
| Laboratory Number: | 45958 | Date Sampled: | 06-18-08 |
| Chain of Custody No: | 3819 | Date Received: | 06-19-08 |
| Sample Matrix: | Soil | Date Extracted: | 06-23-08 |
| Preservative: | Cool | Date Analyzed: | 06-23-08 |
| 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)** | **96.8** | **0.1** |
| **Total Petroleum Hydrocarbons** | **96.8** | **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: **Drill Mud.**

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: | 06-23-08 QA/QC | Date Reported: | 06-25-08 |
| Laboratory Number: | 45956 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 06-23-08 |
| 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 | 9.9422E+002 | 9.9462E+002 | 0.04% | 0 - 15% |
| Diesel Range C10 - C28 | 05-07-07 | 1.0077E+003 | 1.0081E+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 | 224 | 222 | 0.6% | 0 - 30% |

| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept. Range |
|---|---|---|---|---|---|
| Gasoline Range C5 - C10 | ND | 250 | 245 | 98.0% | 75 - 125% |
| Diesel Range C10 - C28 | 224 | 250 | 449 | 94.7% | 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 45956 - 45960.**

Analyst

Review

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021
## AROMATIC VOLATILE ORGANICS

| | | | |
|---|---|---|---|
| Client: | ConocoPhillips | Project #: | 96052-0026 |
| Sample ID: | Day B #4P | Date Reported: | 06-25-08 |
| Laboratory Number: | 45957 | Date Sampled: | 06-18-08 |
| Chain of Custody: | 3819 | Date Received: | 06-19-08 |
| Sample Matrix: | Soil | Date Analyzed: | 06-23-08 |
| Preservative: | Cool | Date Extracted: | 06-23-08 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|---|---|---|
| **Benzene** | **1.1** | **0.9** |
| **Toluene** | **10.7** | **1.0** |
| **Ethylbenzene** | **4.3** | **1.0** |
| **p,m-Xylene** | **36.8** | **1.2** |
| **o-Xylene** | **10.5** | **0.9** |
| **Total BTEX** | **63.4** | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|---|---|---|
| | **Fluorobenzene** | **97.0 %** |
| | **1,4-difluorobenzene** | **97.0 %** |
| | **Bromochlorobenzene** | **97.0 %** |

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:** **Drill Mud**

Analyst

Review

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021
## AROMATIC VOLATILE ORGANICS

| | | | |
|---|---|---|---|
| Client: | ConocoPhillips | Project #: | 96052-0026 |
| Sample ID: | Day B #4P Background | Date Reported: | 06-25-08 |
| Laboratory Number: | 45958 | Date Sampled: | 06-18-08 |
| Chain of Custody: | 3819 | Date Received: | 06-19-08 |
| Sample Matrix: | Soil | Date Analyzed: | 06-23-08 |
| Preservative: | Cool | Date Extracted: | 06-23-08 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|---|---|---|
| **Benzene** | **0.9** | **0.9** |
| **Toluene** | **3.8** | **1.0** |
| **Ethylbenzene** | **1.9** | **1.0** |
| **p,m-Xylene** | **10.2** | **1.2** |
| **o-Xylene** | **4.2** | **0.9** |
| **Total BTEX** | **21.0** | |

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:** **Drill Mud**

Analyst

Review

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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: | 06-23-BT QA/QC | Date Reported: | 06-25-08 |
| Laboratory Number: | 45921 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 06-23-08 |
| 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 | 3.1460E+007 | 3.1523E+007 | 0.2% | ND | 0.1 |
| Toluene | 2.4308E+007 | 2.4355E+007 | 0.2% | ND | 0.1 |
| Ethylbenzene | 1.7412E+007 | 1.7447E+007 | 0.2% | ND | 0.1 |
| p,m-Xylene | 3.9073E+007 | 3.9151E+007 | 0.2% | ND | 0.1 |
| o-Xylene | 1.7085E+007 | 1.7120E+007 | 0.2% | ND | 0.1 |

| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff. | Accept Range | Detect. Limit |
|---|---|---|---|---|---|
| Benzene | 1.7 | 1.5 | 11.8% | 0 - 30% | 0.9 |
| Toluene | 2.8 | 2.7 | 3.6% | 0 - 30% | 1.0 |
| Ethylbenzene | 1.2 | 1.1 | 8.3% | 0 - 30% | 1.0 |
| p,m-Xylene | 3.0 | 3.0 | 0.0% | 0 - 30% | 1.2 |
| o-Xylene | 1.8 | 1.7 | 5.6% | 0 - 30% | 0.9 |

| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---|---|---|---|---|---|
| Benzene | 1.7 | 50.0 | 51.2 | 99.0% | 39 - 150 |
| Toluene | 2.8 | 50.0 | 52.2 | 98.9% | 46 - 148 |
| Ethylbenzene | 1.2 | 50.0 | 51.0 | 99.6% | 32 - 160 |
| p,m-Xylene | 3.0 | 100 | 93.0 | 90.3% | 46 - 148 |
| o-Xylene | 1.8 | 50.0 | 51.7 | 99.8% | 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 45921 - 45925 and 45956 - 45960.**

Analyst

Review

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## TRACE METAL ANALYSIS

| | | | |
|---|---|---|---|
| Client: | ConocoPhillips | Project #: | 95052-0026 |
| Sample ID: | Day B #4P | Date Reported: | 06-25-08 |
| Laboratory Number: | 45957 | Date Sampled: | 06-18-08 |
| Chain of Custody: | 3819 | Date Received: | 06-19-08 |
| Sample Matrix: | Soil | Date Analyzed: | 06-24-08 |
| Preservative: | Cool | Date Digested: | 06-24-08 |
| Condition: | Intact | Analysis Needed: | Total Metals |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) | TCLP Regulatory Level (mg/Kg) |
|---|---|---|---|
| **Arsenic** | **0.265** | **0.001** | **5.0** |
| **Barium** | **5.44** | **0.001** | **100** |
| **Cadmium** | **0.011** | **0.001** | **1.0** |
| **Chromium** | **0.577** | **0.001** | **5.0** |
| **Lead** | **0.606** | **0.001** | **5.0** |
| **Mercury** | **ND** | **0.001** | **0.2** |
| **Selenium** | **ND** | **0.001** | **1.0** |
| **Silver** | **ND** | **0.001** | **5.0** |

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectroscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Drill Mud.**

Analyst

Review

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## TRACE METAL ANALYSIS

| | | | |
|---|---|---|---|
| Client: | ConocoPhillips | Project #: | 95052-0026 |
| Sample ID: | Day B #4P Background | Date Reported: | 06-25-08 |
| Laboratory Number: | 45958 | Date Sampled: | 06-18-08 |
| Chain of Custody: | 3819 | Date Received: | 06-19-08 |
| Sample Matrix: | Soil | Date Analyzed: | 06-24-08 |
| Preservative: | Cool | Date Digested: | 06-24-08 |
| Condition: | Intact | Analysis Needed: | Total Metals |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) | TCLP Regulatory Level (mg/Kg) |
|---|---|---|---|
| **Arsenic** | **0.205** | **0.001** | **5.0** |
| **Barium** | **2.59** | **0.001** | **100** |
| **Cadmium** | **0.004** | **0.001** | **1.0** |
| **Chromium** | **0.389** | **0.001** | **5.0** |
| **Lead** | **0.301** | **0.001** | **5.0** |
| **Mercury** | **0.001** | **0.001** | **0.2** |
| **Selenium** | **0.017** | **0.001** | **1.0** |
| **Silver** | **ND** | **0.001** | **5.0** |

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectroscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Drill Mud.**

Analyst

Review

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## TRACE METAL ANALYSIS
### Quality Control / Quality Assurance Report

| | | | |
|---|---|---|---|
| Client: | QA/QC | Project #: | QA/QC |
| Sample ID: | 06-24 TM QA/AC | Date Reported: | 06-25-08 |
| Laboratory Number: | 46019 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Analysis Requested: | Total RCRA Metals | Date Analyzed: | 06-24-08 |
| Condition: | N/A | Date Digested: | 06-24-08 |

| Blank & Duplicate Conc. (mg/Kg) | Instrument Blank (mg/Kg) | Method Blank | Detection Limit | Sample | Duplicate | % Diff. | Acceptance Range |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | ND | 0.001 | 0.133 | 0.135 | 1.5% | 0% - 30% |
| Barium | ND | ND | 0.001 | 13.0 | 13.2 | 1.7% | 0% - 30% |
| Cadmium | ND | ND | 0.001 | 0.023 | 0.025 | 6.1% | 0% - 30% |
| Chromium | ND | ND | 0.001 | 0.284 | 0.294 | 3.6% | 0% - 30% |
| Lead | ND | ND | 0.001 | 0.389 | 0.395 | 1.6% | 0% - 30% |
| Mercury | ND | ND | 0.001 | 0.002 | 0.002 | 0.0% | 0% - 30% |
| Selenium | ND | ND | 0.001 | 0.017 | 0.017 | 0.2% | 0% - 30% |
| Silver | ND | ND | 0.001 | 0.002 | 0.002 | 0.0% | 0% - 30% |

| Spike Conc. (mg/Kg) | Spike Added | Sample | Spiked Sample | Percent Recovery | Acceptance Range |
|---|---|---|---|---|---|
| Arsenic | 0.250 | 0.133 | 0.317 | 83% | 80% - 120% |
| Barium | 0.500 | 13.0 | 13.26 | 98.3% | 80% - 120% |
| Cadmium | 0.250 | 0.023 | 0.226 | 82.8% | 80% - 120% |
| Chromium | 0.500 | 0.284 | 0.649 | 82.8% | 80% - 120% |
| Lead | 0.500 | 0.389 | 0.816 | 91.8% | 80% - 120% |
| Mercury | 0.100 | 0.002 | 0.106 | 103.6% | 80% - 120% |
| Selenium | 0.100 | 0.017 | 0.109 | 93.0% | 80% - 120% |
| Silver | 0.100 | 0.002 | 0.104 | 102.1% | 80% - 120% |

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. *SW-846, USEPA, December 1996.*

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **QA/QC for Samples 46019, 46020, 46026 - 46028, 45942, 45956 - 45660.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## CATION / ANION ANALYSIS

| | | | |
|---|---|---|---|
| Client: | ConocoPhillips | Project #: | 96052-0026 |
| Sample ID: | Day B #4P | Date Reported: | 06-25-08 |
| Laboratory Number: | 45957 | Date Sampled: | 06-18-08 |
| Chain of Custody: | 3819 | Date Received: | 06-19-08 |
| Sample Matrix: | Soil Extract | Date Extracted: | 06-23-08 |
| Preservative: | Cool | Date Analyzed: | 06-24-08 |
| Condition: | Intact | | |

| Parameter | Analytical Result | Units | | |
|---|---|---|---|---|
| **pH** | **7.54** | s.u. | | |
| **Conductivity @ 25° C** | **2,610** | umhos/cm | | |
| **Total Dissolved Solids @ 180C** | **1,390** | mg/L | | |
| **Total Dissolved Solids (Calc)** | **1,438** | mg/L | | |
| **SAR** | **13.1** | ratio | | |
| **Total Alkalinity as CaCO3** | **130** | mg/L | | |
| **Total Hardness as CaCO3** | **170** | mg/L | | |
| **Bicarbonate as HCO3** | **130** | mg/L | 2.13 | meq/L |
| **Carbonate as CO3** | **<0.1** | mg/L | 0.00 | meq/L |
| **Hydroxide as OH** | **<0.1** | mg/L | 0.00 | meq/L |
| **Nitrate Nitrogen** | **3.0** | mg/L | 0.05 | meq/L |
| **Nitrite Nitrogen** | **<0.01** | mg/L | 0.00 | meq/L |
| **Chloride** | **57.0** | mg/L | 1.61 | meq/L |
| **Fluoride** | **0.89** | mg/L | 0.05 | meq/L |
| **Phosphate** | **<0.1** | mg/L | 0.00 | meq/L |
| **Sulfate** | **828** | mg/L | 17.24 | meq/L |
| **Iron** | **4.78** | mg/L | 0.17 | meq/L |
| **Calcium** | **52.2** | mg/L | 2.60 | meq/L |
| **Magnesium** | **9.64** | mg/L | 0.79 | meq/L |
| **Potassium** | **15.6** | mg/L | 0.40 | meq/L |
| **Sodium** | **393** | mg/L | 17.10 | meq/L |
| **Cations** | | | 21.06 | meq/L |
| **Anions** | | | 21.07 | meq/L |
| **Cation/Anion Difference** | | | **0.04%** | |

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Drill Mud.**

Analyst

Review

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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## CATION / ANION ANALYSIS

| | | | |
|---|---|---|---|
| Client: | ConocoPhillips | Project #: | 96052-0026 |
| Sample ID: | Day B #4P Background | Date Reported: | 06-25-08 |
| Laboratory Number: | 45958 | Date Sampled: | 06-18-08 |
| Chain of Custody: | 3819 | Date Received: | 06-19-08 |
| Sample Matrix: | Soil Extract | Date Extracted: | 06-23-08 |
| Preservative: | Cool | Date Analyzed: | 06-24-08 |
| Condition: | Intact | | |

| Parameter | Analytical Result | Units | | |
|---|---|---|---|---|
| **pH** | **7.60** | s.u. | | |
| **Conductivity @ 25° C** | **567** | umhos/cm | | |
| **Total Dissolved Solids @ 180C** | **392** | mg/L | | |
| **Total Dissolved Solids (Calc)** | **339** | mg/L | | |
| **SAR** | **2.9** | ratio | | |
| **Total Alkalinity as CaCO3** | **56.0** | mg/L | | |
| **Total Hardness as CaCO3** | **104** | mg/L | | |
| **Bicarbonate as HCO3** | **56.0** | mg/L | 0.92 | meq/L |
| **Carbonate as CO3** | **<0.1** | mg/L | 0.00 | meq/L |
| **Hydroxide as OH** | **<0.1** | mg/L | 0.00 | meq/L |
| **Nitrate Nitrogen** | **1.5** | mg/L | 0.02 | meq/L |
| **Nitrite Nitrogen** | **<0.01** | mg/L | 0.00 | meq/L |
| **Chloride** | **30.0** | mg/L | 0.85 | meq/L |
| **Fluoride** | **1.21** | mg/L | 0.06 | meq/L |
| **Phosphate** | **<0.1** | mg/L | 0.00 | meq/L |
| **Sulfate** | **163** | mg/L | 3.39 | meq/L |
| **Iron** | **3.80** | mg/L | 0.14 | meq/L |
| **Calcium** | **32.5** | mg/L | 1.62 | meq/L |
| **Magnesium** | **5.60** | mg/L | 0.46 | meq/L |
| **Potassium** | **4.28** | mg/L | 0.11 | meq/L |
| **Sodium** | **67.1** | mg/L | 2.92 | meq/L |
| **Cations** | | | 5.25 | meq/L |
| **Anions** | | | 5.25 | meq/L |
| **Cation/Anion Difference** | | | **0.02%** | |

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Drill Mud.**

Analyst

Review

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envirotech

# EPA METHOD 418.1
# TOTAL PETROLEUM HYDROCARBONS

| | | | |
|---|---|---|---|
| Client: | Burlington | Project #: | 92115-1195 |
| Sample No.: | 1 | Date Reported: | 2/19/2010 |
| Sample ID: | 5 pt Composite | Date Sampled: | 2/17/2010 |
| Sample Matrix: | Soil | Date Analyzed: | 2/17/2010 |
| Preservative: | Cool | Analysis Needed: | TPH-418.1 |
| Condition: | Cool and Intact | | |

| Parameter | Concentration (mg/kg) | Det. Limit (mg/kg) |
|---|---|---|
| **Total Petroleum Hydrocarbons** | **1,850** | **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: **Day B #4P**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Joshua M Kirchner
Printed

Review

James McDaniel
Printed

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

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-105
July 17, 2008

1. WELL API NO.
30-045-34505

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

3. State Oil & Gas Lease No.
Federal USA SF-078571

# 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
DAY B

6. Well Number:
4P

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

8. Name of Operator
Burlington Resources Oil Gas Company, LP

9. OGRID
14538

10. Address of Operator

11. Pool name or Wildcat

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

| 13. Date Spudded | 14. Date T.D. Reached | 15. Date Rig Released | 16. Date Completed (Ready to Produce) | 17. Elevations (DF and RKB, RT, GR, etc.) |
|---|---|---|---|---|
| | | 4/1/2008 | | |

| 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 36.59503°N Longitude 107.72534°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 Marie E. Jaramillo Title: Staff Regulatory Technicain Date: 3/5/2010

E-mail Address marie.e.jaramillo@conocophillips.com

**ConocoPhillips**
**Pit Closure Form:**

**Date:** 6/19/08

**Well Name:** Day B #4P

**Footages:** _____ **Unit Letter:** C

**Section:** 7, T-27-N, R-8-W, County: San Juan **State:** N.M

**Pit Closure Date:** 6/19/08

**Contractor Closing Pit:** Ace

Eric Smith — Construction Inspector Name
6/20/08 — Date
ConocoPhillips

Signature

Revised 10/22/07

## Jaramillo, Marie E

**From:** Busse, Dollie L
**Sent:** Thursday, June 12, 2008 6:03 AM
**To:** Erinn Shirley; Mark Kelly; Robert Switzer; Sherrie Landon
**Cc:** Smith Eric (sconsulting.eric@gmail.com); acedragline@yahoo.com; Blair, Maxwell O; Blakley, Maclovia; Clark, Joan E; Farrell, Juanita R; Finkler, Jane; Maxwell, Mary A (SOS Staffing Services, Inc.); McWilliams, Peggy L; Seabolt, Elmo F
**Subject:** Clean Up Notice - Day B 4P

**Importance:** High

**Attachments:** Day B 4P.pdf

**Ace Services** will move a clean up tractor to the **Day B 4P** on **Friday, June 13, in the afternoon,** to start the reclamation process. Please contact Eric Smith (608-1387) if you have any questions or need additional information.
Thanks!
Dollie

**Network #: 10209347**

Day B 4P.pdf (292 KB)


## Dollie L. Busse

**ConocoPhillips Company-SJBU**
Construction Technician
Project Development
505-324-6104
505-599-4062 (fax)
Dollie.L.Busse@conocophillips.com

**ConocoPhillips**
**Reclamation Form:**

**Date:** 7/14/08

**Well Name:** Day B #4P

**Footages:** 660 FNL 1625 FWL **Unit Letter:** C

**Section:** 7 , **T-** 27 **-N, R-** 8 **-W, County:** San Juan **State:** N.M.

**Reclamation Contractor:** Ace

**Reclamation Date:** 7/1/08

**Road Completion Date:** 7/13/08

**Seeding Date:** 7/14/08

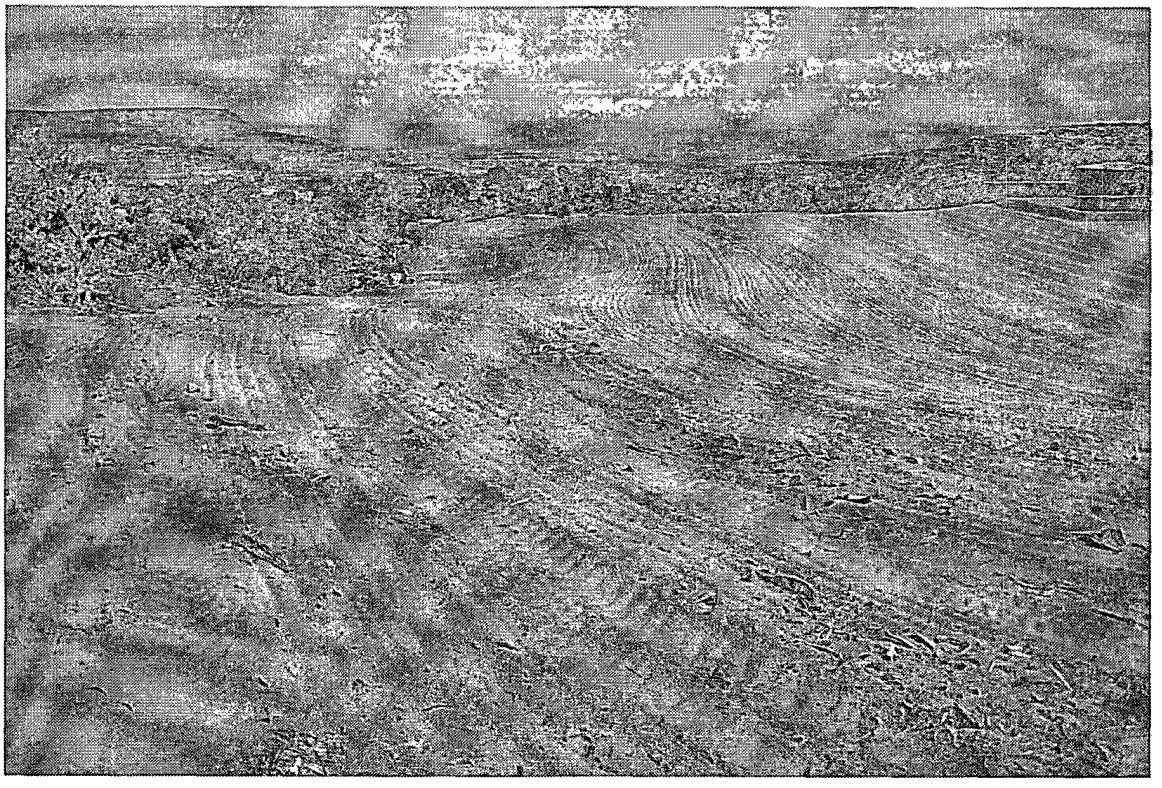
Eric Smith — **Construction Inspector Name**

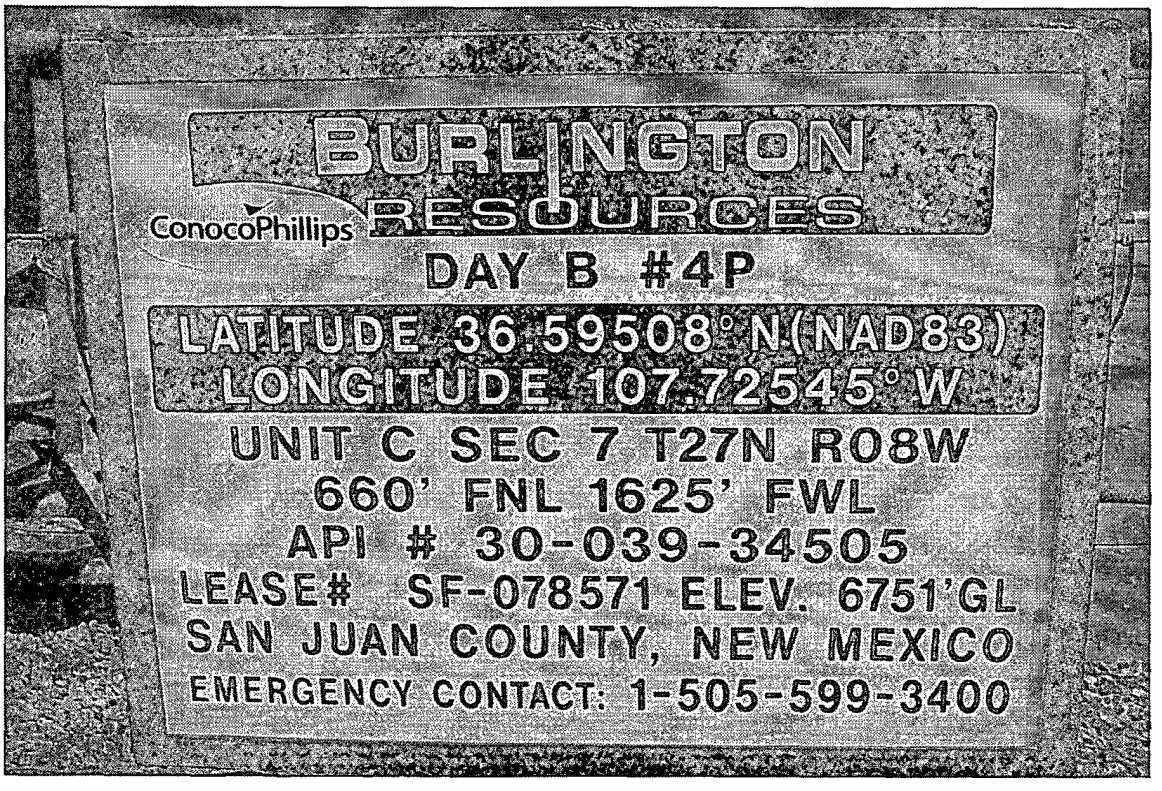
7/15/08 — **Date**

ConocoPhillips

**Signature**

**Revised 3/12/08**




BURLINGTON
RESOURCES
ConocoPhillips
DAY B #4P
LATITUDE 36.59508° N (NAD83)
LONGITUDE 107.72545° W
UNIT C SEC 7 T27N R08W
660' FNL 1625' FWL
API # 30-039-34505
LEASE# SF-078571 ELEV. 6751'GL
SAN JUAN COUNTY, NEW MEXICO
EMERGENCY CONTACT: 1-505-599-3400

# WELL PAD SAFETY AND ENVIRONMENTAL CHECK LIST

| WELL NAME: | Day B 4P | | | | API 30-045-34505 |
|---|---|---|---|---|---|
| DATE | INSPECTOR | SAFETY CHECK | LOCATION CHECK | PICTURES TAKEN | COMMENTS |
| 4/16/2008 | Johnny McDonald | x | x | x | Frac crew on location. Called MVCI to fix fence & liner. Called OCD |
| 5/2/2008 | Jared Chavez | x | x | x | Barbed wire is down & liner has a few tears. Blow pit is burned. Called MVCI |
| 5/22/2008 | Jared Chavez | x | x | x | Tear in liner & blow pit is burned |
| 6/2/2008 | Jared Chavez | x | x | x | Holes in liner & blow pit is burned. Called MVCI. Called Brandon w/OCD |
| 6/10/2008 | S. Smith | x | x | x | Fence needs repaired, liner needs cut back and re-keyed xx blow pit. Notified MVCI & OCD |
| 6/17/2008 | S. Smith | x | x | x | Repair liner, holes & tears. Contacted MVCI & OCD |
| 6/19/2008 | | | | | Pit closed |
| 6/24/2008 | S. Smith | | | | Closed |
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