|   | t z   | e of New Mexico                              | Form C-144   |
|---|---|--|--|
| District 1<br>1625 N. French Dr., Hobbs, NM 88  |   | erals and Natural Resources                  | July 21, 2008  |
| District 11                                     | Energy min                                    | Department                                   | For temporary pits, closed-loop sytems, and below-grade  |
| 1301 W. Grand Ave., Artesia, NM                 |   | onservation Division                         | tanks, submit to the appropriate NMOCD District Office.  |
| District III                                    |   | South St. Francis Dr.                        | For a submitted of the sector of the submitted of the Conte De   |
| 1000 Rio Brazos Rd., Aztec, NM 8<br>District IV | San San                                       | ta Fe, NM 87505                              | For permanent pits and exceptions submit to the Santa Fe<br>Environmental Bureau office and provide a copy to the    |
| 1220 S. St. Francis Dr., Santa Fe, N            | IM 87505                                      |  | appropriate NMOCD District Office.   |
|   |   | p System, Below-Grad                         |  |
| <u>م</u> ک                                      | Proposed Alternative                          | Method Permit or Clos                        | sure Plan Application  |
| U Type of a                                     | ction: Permit of a pit, clo                   | sed-loop system, below-grade ta              | nk, or proposed alternative method   |
|   |   | • •  | ank, or proposed alternative method  |
| V.  | Modification to an                            |  |  |
| <b>, (</b> )                                    |   |  | ed or non-permitted pit, closed-loop system,   |
| Amended   |   | or proposed alternative method               |  |
|   | nit one application (Form C-14                | 4) per individual pit, closed-loo            | p system, below-grade tank or alternative request  |
|   |   |  | esult in pollution of surface water, ground water or the   |
| environment. Nor does                           | approval relieve the operator of its responsi | bility to comply with any other applicable   | governmental authority's rules, regulations or ordinances.   |
| 1<br>Operator: Burlington Reso                  | urces Oil & Gas Company, LF                   | 1  | OGRID#: 14538  |
| Address: <b>P.O. Box 4289, F</b>                |   | <u> </u>                                     |  |
| Facility or well name: CUN                      |   |  | · · · · · · · · · · · · · · · · · · ·  |
| API Number:                                     | 30-045-31794                                  | OCD Permit Number                            | ······   |
| U/L or Qtr/Qtr: A(NE/NE)                        |   |  | · · · · · · · · · · · · · · · · · · ·  |
| Center of Proposed Design:                      |   | 32N     Range:     1       °N     Longitude: | 2W         County:         San Juan           -108.12929         °W         NAD:         X         1927         1983 |
| · ·   |   | ivate Tribal Trust or Indian                 |  |
|   |   |  |  |
| 2 <b>Pit:</b> Subsection F or G of              | -£10.15.17.11 NMAC                            |  |  |
|   | _   |  | RCVD DEC 31 '13  |
| Temporary: Drilling                             |   |  | OIL CONS. DIV.   |
| Permanent Emerger                               |   |  |  |
|   | Liner type: Thickness _                       | mil X LLDPE                                  | HDPE PVC Other DIST 9  |
| String-Reinforced                               |   |  |  |
| - Liner Seams: Welded                           | Factory Other                                 | Volume:                                      | _bbl Dimension Lx Wx D   |
| 3   |   |  |  |
| Closed-loop System:                             | Subsection H of 19.15.17.11 NM                | AC   |  |
| Type of Operation:                              | &A Drilling a new well                        |  | activities which require prior approval of a permit or   |
|   | ener Creand Steel Tembra 🗖 Her                | notice of intent)                            | · · ·  |
| Drying Pad At                                   |   | Il-off Bins Other<br>mil LLDPE H             | IDPE PVD Other   |
| Liner Seams: Welded                             | Liner type: Thickness                         | milLLDPEH                                    |  |
|   |   |  |  |
|   |   |  |  |
|   | ubsection I of 19.15.17.11 NMAC               | <b>N I I I I I I I I I I</b>                 |  |
| Volume: <u>120</u>                              | bbl Type of fluid:                            | Produced Water                               |  |
| Tank Construction material:                     | Metal   |  |  |
| Secondary containment w                         |   | sidewalls, liner, 6-inch lift and auto       | omatic overflow shut-off   |
| Visible sidewalls and lin                       |   |  |  |
| Liner Type: Thickness                           | milHDPE                                       | PVC X Other L                                | INSPECIFIED  |
| 5   |   |  | •  |
| Alternative Method:                             | ,   |  |  |
| Submittal of an exception rec                   | quest is required. Exceptions must            | be submitted to the Santa Fe Enviro          | nmental Bureau office for consideration of approval.   |
| Form C-144                                      | · · ·   | Oil Conservation Division                    | Page 1 of 5  |
| F0111 C-144                                     |   | On Conservation Division                     | Tage 1015  |

| 6<br>Farrier Schergier Dief 1015 (7.11) NMAC (Junite & company at a farrier and false and farty)   |                   |         |
|--|-------------------|---------|
| 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 <i>(Required if located within 1000 feet of a permanent residence, school, hospital, in</i><br>Four foot height, four strands of barbed wire evenly spaced between one and four feet   | stitution or chui | rch)    |
| 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   |                   |         |
| X Signed in compliance with 19.15.3.103 NMAC   |                   |         |
| 9<br>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:<br>Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for con  | sideration of ar  | proval  |
| (Fencing/BGT Liner)  | sideration of up  | proval. |
| Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.  |                   |         |
|  |                   |         |
| Siting Criteria (regarding permitting): 19.15.17.10 NMAC<br>Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable<br>source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the<br>appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for<br>consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria<br>does not comply to device prode on above aredee to take associated with a closed loop system. |                   |         |
| does not apply to drying pads or above grade-tanks associated with a closed-loop system.   |                   |         |
| Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells   |                   |         |
| 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.  | Yes               | No      |
| (Applies to temporary, emergency, or cavitation pits and below-grade tanks)  | NA                |         |
| - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image  |                   |         |
| 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)  | Yes NA            |         |
| - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image  |                   |         |
| 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.   | Yes               | No      |
| - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.   |                   |         |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality: Written approval obtained from the municipality  | Yes               | No      |
| Within 500 feet of a wetland.         US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site   | Yes               | No      |
| Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division  | Yes               | No      |
| Within an unstable area.<br>- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological   | Yes               | No      |
| Society; Topographic map<br>Within a 100-year floodplain<br>- FEMA map   | Yes.              | No      |

| 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  |
| Hydrogcologic 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<br>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   |
|  |
| Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC<br>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   |
| <sup>13</sup> 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  |
| <ul> <li>Nuisance or Hazardous Odors, including H2S, Prevention Plan</li> <li>Emergency Response Plan</li> </ul>   |
| 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<br>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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| 16<br>Wester Demonstrationer Francisco III - 11 - 5 - 4 - 71 - 4 Usition Alberto Commed Start Trade on Hand off Bing Onder (10.15 17.12 D.NM  |                     |
|---|---------------------|
| Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NM.<br>Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than to<br>facilities are required.   | AC)<br>hvo          |
| 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 <i>will not</i> be used for future 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 NM         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   | МАС                 |
| 17  |                     |
| Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 NMAC<br>Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided be<br>certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the<br>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.   | Yes No              |
| - NM Office of the State Engineer - iWATERS database search; USGS: Data obtained from nearby wells  | N/A                 |
| Ground water is between 50 and 100 feet below the bottom of the buried waste  | Yes No              |
| - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells  | N/A                 |
| Ground water is more than 100 feet below the bottom of the buried waste.  | Yes No              |
| - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells  | □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.  | Yes No              |
| - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site<br>Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance<br>adopted pursuant to NMSA 1978, Section 3-27-3, as amended.   | Yes No              |
| - Written confirmation or verification from the municipality; Written approval obtained from the municipality<br>Within 500 feet of a wetland   | Yes No              |
| - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site  |                     |
| Within the area overlying a subsurface mine.<br>- Written confirantion 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<br>Society; Topographic map  | Yes No              |
| Within a 100-year floodplain.<br>- FEMA map   | Yes No              |
| 18<br>On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must bee attached to the clo<br>indicate, by a check mark in the box, that the documents are attached.   | osure plan. Please  |
| 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<br>Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC   | of 19.15.17.11 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

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|---|--|--|---|
| <u> Operator Application (</u>  | Certification:   |  |   |
| hereby certify that the infe  | ormation submitted with this application is tru  | ue, accurate and complete to the best  | st of my knowledge and belief.  |
|   |  |  |   |
|   |  |  | ·   |
| e-mail address:   |  | Telephone:   |   |
| 0   |  | <u> </u>   |   |
| )CD Approval:   | ermit Application (including closure plan  | ) Closure Plan (only)  | OCD Conditions (see attachment)   |
| CD Representative Si  | gnature:   | Volle.   | Approval Date: 1/10/2014  |
|   | tince Adire  |  |   |
| itle:OM   | INNCE VUTARCE  | OCD Permit I   | Number:   |
| 1   |  |  |   |
| ustructions: Operators are<br>port is required to be sul  |  | n prior to implementing any closure<br>completion of the closure activities. | e activities and submitting the closure report. The closure<br>Please do not complete this section of the form until an |
|   |  | X Closure Co   | ompletion Date: November 2, 2012  |
| 2   |  | ······································                                       |   |
| losure Method:  |  |  |   |
| Waste Excavation a  |  | thod Alternative Closure Me  | thod Waste Removal (Closed-loop systems only)   |
| If different from ap  | proved plan, please explain.   |  | ·   |
| structions: Please identi   | g Waste Removal Closure For Closed-loop<br>fy the facility or facilities for where the liqu  |  | ound <u>Steel Tanks or Haul-off Bins Only:</u><br>s were disposed. Use attachment if more than two                      |
| cilities were utilized.<br>Disposal Facility Name   |  | Disposal Facility Per  | mit Number:   |
| Disposal Facility Name  |  |  | rmit Number:  |
| Were the closed-loop sy   | stem operations and associated activities per  |  |   |
| Yes (If yes, please   | lemonstrate complilane to the items below)   | No   |   |
| <u> </u>  | areas which will not be used for future servic   | e and operations:  |   |
| Soil Backfilling and  | Photo Documentation)   |  |   |
|   | ication Rates and Seeding Technique  |  |   |
|   |  |  |   |
|   | chment Checklist: Instructions: Each of  | the following items must be attack   | ed to the closure report. Please indicate, by a check mark  |
| in the box, that the doc  |  |  |   |
|   | Notice (surface owner and division)  |  | ·   |
| _   | tice (required for on-site closure)<br>site closures and temporary pits)   |  |   |
| I I Plot Dlon (for on   | upling Analytical Results (if applicable)  |  |   |
|   | iping Analytical Results (11 applicable)   |  |   |
| X Confirmation Sar  | umpling Analytical Results (if applicable)   | · ·  |   |
| X Confirmation Sar Waste Material S   | ampling Analytical Results (if applicable)<br>Name and Permit Number   | ) · · ·  |   |
| X       Confirmation Sar         Waste Material S         Disposal Facility   | Name and Permit Number   | ) .  |   |
| <ul> <li>X Confirmation Sar</li> <li>Waste Material S</li> <li>Disposal Facility</li> <li>X Soil Backfilling a</li> </ul>   | Name and Permit Number<br>nd Cover Installation  | ) .  |   |
| <ul> <li>X Confirmation Sar</li> <li>Waste Material S</li> <li>Disposal Facility</li> <li>X Soil Backfilling a</li> <li>X Re-vegetation Ap</li> </ul>   | Name and Permit Number<br>nd Cover Installation<br>plication Rates and Seeding Technique   | ) .  |   |
| <ul> <li>Confirmation Sar</li> <li>Waste Material S</li> <li>Disposal Facility</li> <li>Soil Backfilling a</li> <li>Re-vegetation Ap</li> <li>Site Reclamation</li> </ul>   | Name and Permit Number<br>nd Cover Installation<br>plication Rates and Seeding Technique<br>(Photo Documentation)  | ) •N Longitude:  | <b>°W</b> NAD ☐ 1927 ☐ 1983   |
| <ul> <li>Confirmation Sar</li> <li>Waste Material S</li> <li>Disposal Facility</li> <li>Soil Backfilling a</li> <li>Re-vegetation Ap</li> </ul>   | Name and Permit Number<br>nd Cover Installation<br>plication Rates and Seeding Technique<br>(Photo Documentation)  |  | • <b>W</b> NAD 1927 1983  |
| <ul> <li>Confirmation Sar</li> <li>Waste Material S</li> <li>Disposal Facility</li> <li>Soil Backfilling a</li> <li>Re-vegetation Ap</li> <li>Site Reclamation</li> <li>On-site Closure L</li> </ul>  | Name and Permit Number<br>nd Cover Installation<br>plication Rates and Seeding Technique<br>(Photo Documentation)<br>ocation: Latitude:  |  | <u>•₩</u> NAD [] 1927 [] 1983   |
| X       Confirmation Sar         Waste Material S       Disposal Facility         X       Soil Backfilling a         X       Re-vegetation Ap         X       Site Reclamation         On-site Closure L         Perator Closure Certify that the inf | Name and Permit Number<br>nd Cover Installation<br>plication Rates and Seeding Technique<br>(Photo Documentation)<br>ocation: Latitude:  | •N Longitude:  | nd complete to the best of my knowledge and belief. I also certify  |
| <ul> <li>Confirmation Sar</li> <li>Waste Material S</li> <li>Disposal Facility</li> <li>Soil Backfilling a</li> <li>Re-vegetation Ap</li> <li>Site Reclamation<br/>On-site Closure L</li> </ul>   | Name and Permit Number<br>nd Cover Installation<br>plication Rates and Seeding Technique<br>(Photo Documentation)<br>ocation: Latitude:<br>fication:<br>principle of the submitted with this<br>permation and attachments submitted with this          | •N Longitude:  | nd complete to the best of my knowledge and belief. I also certify  |
| <ul> <li>Confirmation Sar</li> <li>Waste Material S</li> <li>Disposal Facility</li> <li>Soil Backfilling a</li> <li>Re-vegetation Ap</li> <li>Site Reclamation<br/>On-site Closure L</li> </ul>   | Name and Permit Number<br>nd Cover Installation<br>plication Rates and Seeding Technique<br>(Photo Documentation)<br>ocation: Latitude:<br>fication:<br>brmation and attachments submitted with this<br>ith all applicable closure requirements and of | •N Longitude:  | nd complete to the best of my knowledge and belief. I also certify  |

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## Burlington Resources Oil Gas Company, LP San Juan Basin Below Grade Tank Closure Report

## Lease Name: CUNDIFF #100 API No.: 30-045-31794

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure of the below-grade tank referenced above. All proper documentation regarding closure activities is being included with the C-144.

#### General Plan:

- BR shall close a below-grade tank within 60 days of cessation of operations per Subsection G.4 of 19.15.17.13 NMAC. This will include a) below-grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC; b) an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. For any closure, BR will file the C144 Closure Report as required.
- 2. The below-grade tank referenced above was permitted and closed within 60 days of cessation of the below-grade tanks operation.
- BR shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005), JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.

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). The liner was cleaned per Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC was disposed of at the San Juan County Regional Landfill located on CR 3100.

4. BR Will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves.

The below-grade tank was disposed of in a division-approved manner.

5. If there is any on-site equipment associated with a below-grade tank, then BR shall remove the equipment, unless the equipment is required for some other purpose.

#### All on-site equipment associated with the below-grade tank was removed.

- 6. BR will test the soils beneath the below-grade tank to determine whether a release has occurred. COPC shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyzed for the constituents listed in Table I of 19.15.17.13 NMAC. COPC shall notify the division of its results on form C-141.
- 7. A five point composite sample was taken of the below-grade tank using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b). (Sample results attached). Form C-141 is attached.

| Components | Tests Method              | Limit (mg/kg) |
|------------|---------------------------|---------------|
| Benzene    | EPA SW-846 8021B or 8260B | 0.2           |
| BTEX       | EPA SW-846 8021B or 8260B | 50            |
| ТРН        | EPA SW-846 418.1          | 100           |
| Chlorides  | EPA 300.1                 | 250           |

8. If BR or the division determines that a release has occurred, then BR shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.

#### A release was not determined for the above referenced well.

9. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Table I of 19.15.17.13 NMAC, then BR shall backfill the excavation with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site.

The below-grade tank area passed all requirements of Paragraph (4) of Subsection E of 19.15.17.13 NMAC and was backfilled with compacted, non-waste containing, earthen material.

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

#### Notification is attached.

11. The surface owner shall be notified of BR's closing of the below-grade tank 72 hours, but not more than one week, prior to closure as per the approved closure plan via 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.)

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 below-grade tank area was re-contoured to match fit, shape, line, form and texture of the surrounding area. Re-shaping including 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 recontour has a uniform appearance with smooth surface, fitting the natural landscape.

13. BR Shall seed the disturbed areas the first favorable growing season following closure of a below-grade tank. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will used on federally regulated lands and division-approved seed mixtures (administratively approved if required) will be utilized on all State or private lands. A uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent (50%) of pre- disturbance levels and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds. If alternate seed mix is required by the state, private owner or tribe, it will be implemented with administrative approval if needed. COPC will repeat seeding or planting will be continued until successful vegetative growth occurs.

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

14. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material, with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.

The below-grade tank area was backfilled and more than four feet of cover was achieved and the cover included one foot of suitable material to establish vegetation at the site.

- 15. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on C-144 and incorporate the following:
  - Soil Backfilling and Cover Installation (See Report)
  - Re-vegetation application rates and seeding techniques (See Report)
  - Photo documentation of the site reclamation (Included as an attachment)
  - Confirmation Sampling Results (Included as an attachment)
  - Proof of closure notice (Included as an attachment)

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**

Revised August 8, 2011

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

Submit 1 Copy to appropriate District Office to accordance with 19.15.29 NMAC.

Form C-141

## **Release Notification and Corrective Action**

|  | OPERATOR                    | Initial Report   | 🔀 Final Report |
|--|-----------------------------|------------------|----------------|
| Name of Company Burlington Resources Oil & Gas Company | Contact Crystal Tafoya      |                  |                |
| Address 3401 East 30 <sup>th</sup> St, Farmington, NM  | Telephone No.(505) 326-9837 |                  |                |
| Facility Name: Cundiff 100                             | Facility Type: Gas Well     |                  |                |
| Surface Owner BLM Mineral Ow                           | ner BLM (SF-078311)         | API No.30-045-31 | 1794           |

#### LOCATION OF RELEASE

|             |         |          |       | 2000          |                  |               |                |          |  |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|----------|--|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County   |  |
| A           | 19      | 32N      | 12W   | 955           | North            | 855           | East           | San Juan |  |
|             |         |          | L     |               |                  | L             |                |          |  |

Latitude 36.976135 Longitude 108.129287

#### NATURE OF RELEASE

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\* Attach Additional Sheets If Necessary



Animas Environmental Services, LLC

#### www.animasenvironmental.com

624 E. Comanche Farmington, NM 87401 505-564-2281

> Durango, Colorado 970-403-3274

#### December 7, 2012

Crystal Tafoya ConocoPhillips San Juan Business Unit Office 214-05 5525 Hwy 64 Farmington, New Mexico 87401

## RE: Below Grade Tank Closure Report Cundiff #100 San Juan County, New Mexico

Dear Ms. Tafoya:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the below grade tank (BGT) closure at ConocoPhillips (CoP) Cundiff #100, located in San Juan County, New Mexico. Tank removal had been completed by CoP contractors prior to AES' arrival at the location.

## 1.0 Site Information

### 1.1 Location

Site Name – Cundiff #100 Legal Description - NE¼ NE¼, Section 19, T32N, R12W, San Juan County, New Mexico Well Latitude/Longitude - N36.97613 and W108.12992, respectively BGT Latitude/Longitude - N36.97594 and W108.13019, respectively Land Jurisdiction - Bureau of Land Management (BLM) Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, October 2012

#### 1.2 NMOCD Ranking

Prior to site work, the New Mexico Oil Conservation Division (NMOCD) database was reviewed, and no prior ranking was located. The New Mexico Office of the State Engineer (NMOSE) database was reviewed for nearby water wells, and no registered water wells were reported to be located within 1,000 feet of the location. Additionally, Google Earth and the New Mexico Tech Petroleum Recovery Research Center online mapping tool (<u>http://ford.nmt.edu/react/project.html</u>) were accessed to aid in the identification of downgradient surface water.

Crystal Tafoya Cundiff #100 BGT Closure Report December 7, 2012 Page 2 of 5

Once on site, AES personnel further assessed the ranking using topographical interpretation, Global Positioning System (GPS) elevation readings, and visual reconnaissance. AES personnel concluded that depth to groundwater at the site was greater than 100 feet below ground surface (bgs). An unnamed wash which drains into McDermott Arroyo is located approximately 440 feet west of the location. Based on this information, the location was assessed a ranking score of 10.

### 1.3 BGT Closure Assessment

AES was initially contacted by Jess Henson, CoP representative, on October 18, 2012, and on October 19, 2012, Heather Woods and Kelsey Christiansen of AES traveled to the the location. AES personnel collected six soil samples from below the BGT liner. Four samples were collected from the perimeter of the BGT footprint, one sample was collected from the center of the BGT footprint, and one sample was composited from the four perimeter samples and one center sample.

### 2.0 Soil Sampling

On October 19, 2012, AES personnel conducted field screening and collected five soil samples (S-1 through S-5) and one 5-point composite (SC-1) from below the BGT. Soil samples were collected from approximately 0.5 feet below the former BGT for field screening of volatile organic compounds (VOCs) and total petroleum hydrocarbon (TPH). Soil sample SC-1 was field screened for chlorides and submitted for confirmation laboratory analysis. Soil sample locations are included on Figure 2.

## 2.1 Field Screening

#### 2.1.1 Volatile Organic Compounds

A portion of each sample was utilized for field screening of VOC vapors with a photoionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas.

#### 2.1.2 Total Petroleum Hydrocarbons

Soil samples were also analyzed in the field for TPH per USEPA Method 418.1 using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). A 3-point calibration was completed prior to conducting soil analyses. Field analytical protocol followed AES's *Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1*.

Crystal Tafoya Cundiff #100 BGT Closure Report December 7, 2012 Page 3 of 5

## 2,1.3 Chlorides

Soil sample SC-1 was field screened for chlorides using Chloride Drop Count Titration with silver nitrate. Sampling and analysis methods followed procedures provided by Hach Company.

## 2.2 Laboratory Analyses

The composite soil sample SC-1 collected for laboratory analysis was placed into a new, clean, laboratory-supplied container, which was then labeled, placed on ice, and logged onto a sample chain of custody record. The sample was maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico. Soil sample SC-1 was laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B;
- Chloride per USEPA Method 300.0.

### 2.3 Field and Laboratory Analytical Results

Field screening readings for VOCs via OVM ranged from 0.7 ppm in S-3 up to 1.3 ppm in S-1. Field TPH concentrations ranged from 29.2 mg/kg in S-3 up to 53.4 mg/kg in S-2. The field chloride concentration in SC-1 was 40 mg/kg. Field screening results are summarized in Table 1 and presented on Figure 2. The AES Field Screening Report is attached.

| Sample ID      | Date<br>Sampled | Depth<br>below<br>BGT (ft) | VOCs OVM<br>Reading<br>(ppm) | Field<br>TPH<br>(mg/kg) | Field<br>Chlorides<br>(mg/kg) |
|----------------|-----------------|----------------------------|------------------------------|-------------------------|-------------------------------|
| NMOCD Action L | evel (NMAC 19.  | 15.17.13E)                 |                              | 100                     | 250                           |
| S-1            | 10/19/12        | 0.5                        | 1.3                          | 48.0                    | NA                            |
| S-2            | 10/19/12        | 0.5                        | 1.1                          | 53.4                    | NA                            |
| S-3            | 10/19/12        | 0.5                        | 0.7                          | 29.2                    | NA                            |
| S-4            | 10/19/12        | 0.5                        | 1.0                          | 34.5                    | NA                            |
| S-5            | 10/19/12        | 0.5                        | 1.0                          | 50.0                    | NA                            |
| SC-1           | 10/19/12        | NA                         | NA                           | NA                      | 40                            |

| Table 1. | Soil Field Screening VOCs, TPH, and Chloride Results |
|----------|--|
|          | Cundiff #100 BGT Closure, October 2012               |

NA - not analyzed

Laboratory analytical results reported benzene and total BTEX concentrations in SC-1 as less than 0.050 mg/kg and 0.25 mg/kg, respectively. The laboratory chloride

Crystal Tafoya Cundiff #100 BGT Closure Report December 7, 2012 Page 4 of 5

concentration was below the laboratory detection limit of 30 mg/kg. Laboratory analytical results are summarized in Table 2 and included on Figure 2. Laboratory analytical reports are attached.

| Sample ID    | Date Sampled      | Depth<br>(ft) | Benzene<br>(mg/kg) | BTEX<br>(mg/kg) | TPH-<br>GRO<br>(mg/kg) | TPH-<br>DRO<br>(mg/kg) | Chlorides<br>(mg/kg) |
|--------------|-------------------|---------------|--------------------|-----------------|------------------------|------------------------|----------------------|
| NMOCD Action | Level (NMAC 19.15 | .17.13E)      | 0.2                | 50              | 1                      | 00                     | 250                  |
| SC-1         | 10/19/12          | 0.5           | <0.050             | <0.25           | NA                     | NA                     | <30                  |

Table 2. Soil Laboratory Analytical Results Cundiff #100 BGT Closure, October 2012

## 3.0 Conclusions and Recommendations

NMOCD action levels for BGT closures are specified in New Mexico Administrative Code (NMAC) 19.15.17.13E. Benzene and total BTEX concentrations in SC-1 were below the NMOCD action levels of 0.2 mg/kg and 50 mg/kg, respectively. Field TPH concentrations were below the NMOCD action level of 100 mg/kg, with the highest concentration reported in S-2 with 53.4 mg/kg. Chloride concentrations in SC-1 were also below the NMOCD action level of 250 mg/kg. Based on field screening and laboratory analytical results for benzene, total BTEX, TPH, and chlorides, no further work is recommended.

If you have any questions about this report or site conditions, please do not hesitate to contact Deborah Watson at (505) 564-2281.

Sincerely,

Lelang Christian

Kelsey Christiansen Environmental Scientist

Crystal Tafoya Cundiff #100 BGT Closure Report December 7, 2012 Page 5 of 5

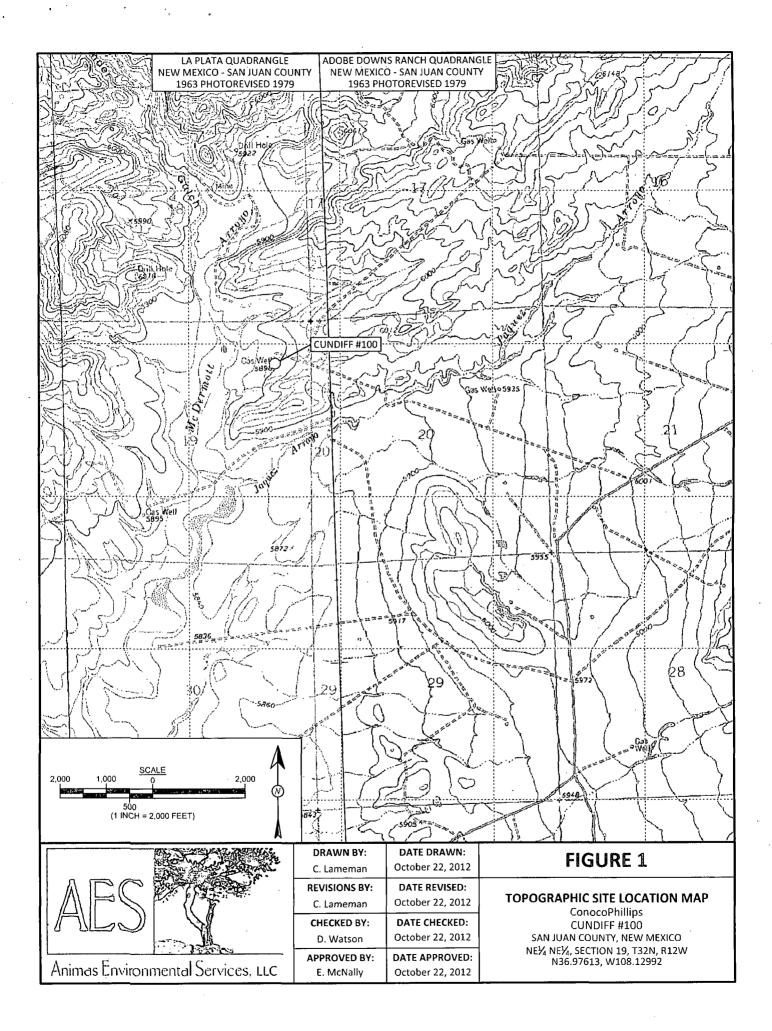
Elizabeth V Mervely

Elizabeth McNally, P.E.

Attachments:

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, October 2012 AES Field Screening Report 101912 Hall Analytical Report 1210965

C:\Dropbox\2012 December 2012 (Former Trial File)\ConocoPhillips\Cundiff #100\Cundiff #100 BGT Closure Report 120712.docx



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| 55   | Sample                 | Date                     | OVM-<br>PID             | ТРН                                  | Chlorides                                | . y       | <u>ے پی الاستی کو کو کو ا</u>  | · · · · · ·     | Laborato                              | ry Analytica       | l Results           |                               |  | 7       |
| in the second  | ID                     |                          | (ppm)                   | (mg/kg)                              | (mg/kg)                                  | 17        |  |                 | Benzene                               | Total<br>BTEX      | TPH -<br>GRO        | TPH -<br>DRO                  | Chlorides  |         |
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| <u>द</u> ्रीन  | S-1<br>S-2             | 10/19/12<br>10/19/12     | 1.3<br>1.1              | 48.0<br>53.4                         | NA<br>NA                                 | - 4       | NMOCD ACT<br>SC-1  | 10/19/12        | 0.2<br><0.050                         | <b>50</b><br><0.25 | NA 1                | 00<br>NA                      | <b>250</b><br><30                                | 4       |
| S.   | S-3                    | 10/19/12                 | 0.7                     | 29.2                                 | NA                                       |           | SAMPLE WAS   |                 |                                       |                    |                     | La construction of the second |  | _       |
|  | S-4<br>S-5             | 10/19/12<br>10/19/12     | 1.0<br>1.0              | 34.5<br>50.0                         | NA<br>NA                                 | -         |  |                 | •                                     |                    | l l                 |                               |  | ,       |
| 2.0  | SC-1                   | 10/19/12                 | NA                      | NA                                   | 40                                       |           |  |                 |                                       |                    | 1                   |                               |  | •       |
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| Δ:   | F.                     | vironme                  | <br>(                   | 9727 (State                          |  | 4         | APPROVED BY  |                 | APPROVED:                             |                    | SAN JUAN            | I COUNTY,<br>SECTION 1        | NEW MEXICC<br>9, T32N, R12V                      | )<br>W  |
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## **AES Field Screening Report**

,

Client: ConocoPhillips

Project Location: Cundiff #100

Date: 10/19/2012

Matrix: Soil



Animas Environmental Services, LLC www.animasenvironmental.com

> 624 E. Comanche Farmington, NM 87401 505-564-2281

> > Durango. Colorado 970-403-3274

| Sample ID | Collection<br>Date | Time of<br>Sample<br>Collection | Sample<br>Location | OVM<br>(ppm) | Field<br>Chloride<br>(mg/kg) | Field TPH<br>Analysis<br>Time | Field TPH*<br>(mg/kg) | TPH PQL<br>(mg/kg) | DF | TPH<br>Analysts<br>Initials |
|-----------|--------------------|---------------------------------|--------------------|--------------|------------------------------|-------------------------------|-----------------------|--------------------|----|-----------------------------|
| S-1       | 10/19/2012         | 11:32                           | North              | 1.3          | NA                           | 12:20                         | 48.0                  | 20.0               | 1  | кс                          |
| S-2       | 10/19/2012         | 11:36                           | South              | 1.1          | NA                           | 12:24                         | 53.4                  | 20.0               | 1  | КС                          |
| S-3       | 10/19/2012         | 11:40                           | East               | 0.7          | NA                           | 12:28                         | 29.2                  | 20.0               | 1  | кс                          |
| S-4       | 10/19/2012         | 11:44                           | West               | 1.0          | NA                           | 12:31                         | 34.5                  | 20.0               | 1  | кс                          |
| S-5       | 10/19/2012         | 11:48                           | Center             | 1.0          | NA                           | 12:35                         | 50.0                  | 20.0               | 1  | кс                          |
| SC-1      | 10/19/2012         | 11:51                           | Composite          | NA           | 40                           |                               | Not                   | Analyzed for T     | РН |                             |

PQL Practical Quantitation Limit

ND Not Detected at the Reporting Limit

- NA Not Analyzed
- DF Dilution Factor

\*Field TPH concentrations recorded may be below PQL.

Field Chloride - Quantab Chloride Titrators or Drop Count Titration with Silver Nitrate

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

Kelang Christian

Page 1 Report Finalized: 10/19/12

## HALL ENVIRONMENTAL ANALYSIS LABORATORY

October 25, 2012

Debbie Watson Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 486-4071 FAX (505) 324-2022

RE: Cundiff #100

OrderNo.: 1210965

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/20/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

andig

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Analytical Report
Lab Order 1210965

#### Date Reported: 10/25/2012

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Animas Environmental Services Client Sample ID: SC-1 **Project:** Cundiff #100 Collection Date: 10/19/2012 11:51:00 AM 1210965-001 Matrix: SOIL **Received Date: 10/20/2012** Lab ID: Analyses Result **RL** Qual Units DF **Date Analyzed** EPA METHOD 8021B: VOLATILES Analyst: NSB Benzene ND 0.050 mg/Kg 10/22/2012 1:40:01 PM 1 Toluene ND 0.050 mg/Kg 10/22/2012 1:40:01 PM 1 Ethylbenzene ND 0.050 mg/Kg 1 10/22/2012 1:40:01 PM Xylenes, Total ND 0.10 mg/Kg 10/22/2012 1:40:01 PM 1 Surr: 4-Bromofluorobenzene 103 %REC 10/22/2012 1:40:01 PM 80-120 1 **EPA METHOD 300.0: ANIONS** Analyst: SRM Chloride 10/22/2012 12:28:44 PM ND 30 mg/Kg 20

Qualifiers:

\*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

## **QC SUMMARY REPORT**

Hall Environmental Analysis Laboratory, Inc.

**Client:** Animas Environmental Services **Project:** Cundiff #100 Sample ID MB-4442 SampType: MBLK TestCode: EPA Method 300.0: Anions

| · ····································      | •  |   |   |
|---|--|---|---|
| Batch ID: 4442                              | RunNo: 6409  |   |   |
| Analysis Date: 10/22/2012                   | SeqNo: 184313  | Units: mg/Kg  |   |
| Result PQL SPK value                        | SPK Ref Val %REC LowLimit  | HighLimit %RPD  | RPDLimit Qual   |
| ND 1.5                                      |  |   |   |
| SampType: LCS                               | TestCode: EPA Method   | 300.0: Anions   |   |
|   |  |   |   |
| Batch ID: 4442                              | RunNo: <b>6409</b>   |   |   |
| Batch ID: 4442<br>Analysis Date: 10/22/2012 | RunNo: 6409<br>SeqNo: 184314   | Units: mg/Kg  |   |
| Analysis Date: 10/22/2012                   |  | Units: <b>mg/Kg</b><br>HighLimit %RPD   | RPDLimit Qual   |
|   | Batch ID: 4442<br>Analysis Date: 10/22/2012<br>Result PQL SPK value<br>ND 1.5<br>SampType: LCS | Analysis Date:       10/22/2012       SeqNo::       184313         Result       PQL       SPK value       SPK Ref Val       %REC       LowLimit         ND       1.5         SampType:       LCS       TestCode:       EPA Method | Analysis Date:       10/22/2012       SeqNo:       184313       Units:       mg/Kg         Result       PQL       SPK value       SPK Ref Val       %REC       LowLimit       HighLimit       %RPD         ND       1.5 |

#### Qualifiers:

\* Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

J Analyte detected below quantitation limits

Р Sample pH greater than 2

Analyte detected in the associated Method Blank В

Holding times for preparation or analysis exceeded Н

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits WO#: • 1210965

25-Oct-12

## **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

Animas Environmental Services

| Project: Cundif            | f#100      |                 |           |             |          |           |             |       |          |      |
|----------------------------|------------|-----------------|-----------|-------------|----------|-----------|-------------|-------|----------|------|
| Sample ID MB-4420          | Samp       | Гуре: <b>МЕ</b> | BLK       | Tes         | tCode: E | PA Method | 8021B: Vola | tiles |          |      |
| Client ID: PBS             | Batc       | h ID: 44        | 20        | F           | RunNo: 6 | 401       |             |       |          |      |
| Prep Date: 10/19/2012      | Analysis [ | Date: 10        | )/22/2012 | S           | SeqNo: 1 | 84440     | Units: mg/k | (g    |          |      |
| Analyte                    | Result     | PQL             | SPK value | SPK Ref Val | %REC     | LowLimit  | HighLimit   | %RPD  | RPDLimit | Qual |
| Benzene                    | ND         | 0.050           |           |             |          |           |             |       |          |      |
| Toluene                    | ND         | 0.050           |           |             |          |           |             |       |          |      |
| Ethylbenzene               | ND         | 0.050           |           |             |          |           |             |       |          |      |
| Xylenes, Total             | ND         | 0.10            |           |             |          |           |             |       |          |      |
| Surr: 4-Bromofluorobenzene | 1.0        |                 | 1.000     |             | 104      | 80        | 120         |       |          |      |
| Sample ID LCS-4420         | Samp       | Гуре: LC        | s         | Tes         | tCode: E | PA Method | 8021B: Vola | tiles |          |      |
| Client ID: LCSS            | Batc       | h ID: 44        | 20        | F           | RunNo: 6 | 401       |             |       |          |      |
| Prep Date: 10/19/2012      | Analysis E | Date: 10        | 0/22/2012 | S           | SeqNo: 1 | 84441     | Units: mg/h | ٢g    |          |      |
| Analyte                    | Result     | PQL             | SPK value | SPK Ref Val | %REC     | LowLimit  | HighLimit   | %RPD  | RPDLimit | Qual |
| Benzene                    | 1.1        | 0.050           | 1.000     | 0           | 108      | 76.3      | 117         |       |          |      |
| Toluene                    | 1.1        | 0.050           | 1.000     | 0           | 107      | 80        | 120         |       |          |      |
| Ethylbenzene               | 1.1        | 0.050           | 1.000     | 0           | 108      | 77        | 116         |       |          |      |
|                            |            |                 |           |             |          |           |             |       |          |      |
| Xylenes, Total             | 3.2        | 0.10            | 3.000     | 0           | 107      | 76.7      | 117         |       |          |      |

Qualifiers:

**Client:** 

\* Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

Analyte detected below quantitation limits J

Sample pH greater than 2 Р

В Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

.

25-Oct-12

WO#:

1210965

## HALL ENVIRONMENTAL ANALYSIS LABORATORY

#### Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

## Sample Log-In Check List

| Client N | Name: Animas Er                                | nvironmental                         |       | Work Orc | ier Num  | nber: 1    | 1210965                    |                      |
|----------|--|--------------------------------------|-------|----------|----------|------------|----------------------------|----------------------|
| Receive  | ed by/date:                                    | = 10/201/2                           |       |          |          |            |                            |                      |
| Logged   | i By: Andy Free                                | eman 10/20/2012                      |       | ·        |          | And        | . Ihan                     |                      |
| Comple   | eted By: Anne Tho                              | rne 10/22/2012                       |       |          |          | Arm        | Am                         |                      |
| Review   | red By: A5                                     | 12/12                                |       |          |          |            |                            |                      |
| Chain    | of Custody                                     | <i>q_c=_;</i>                        |       |          |          |            |                            |                      |
|          | ere seals intact?                              |                                      | •     | Yes      | No       |            | Not Present                |                      |
|          | Chain of Custody com                           | plete?                               |       | Yes      | No       |            | Not Present                |                      |
|          | w was the sample deli                          |                                      |       | Couri    | er       |            |                            |                      |
| 10010    |  |                                      |       |          |          |            |                            |                      |
| Log In   | -  |                                      |       |          |          |            | 🗖                          |                      |
| 4 Co     | oolers are present? (se                        | ee 19. for cooler specific informati | ion)  | Yes      | Mo No    |            |                            |                      |
| 5. W     | as an attempt made to                          | cool the samples?                    |       | Yes      | ☑ No     |            |                            |                      |
| 6. We    | ere all samples receive                        | ed at a temperature of >0° C to 6    | 6.0°C | Yes      | 🗹 No     |            | NA 🗆                       |                      |
| 7 Sa     | mple(s) in proper cont                         | tainer(s)?                           |       | Yes      | 🗹 No     |            |                            |                      |
| ••       |  | e for indicated test(s)?             |       | Yes      |          |            |                            |                      |
|          |  | A and ONG) properly preserved?       |       |          | No No    |            |                            |                      |
|          | as preservative added                          |                                      |       | Yes      | 🗆 No     | ⊻          | NA 🗌                       |                      |
|          |  |                                      |       |          | <b>—</b> | <b>L</b> 4 |                            |                      |
|          | A vials have zero hea                          |                                      |       | Yes      | _        |            | No VOA Vials 🗹             |                      |
|          |  | ners received broken?                |       | Yes      | No No    |            | # of preserved             |                      |
|          | es paperwork match b<br>ote discrepancies on c |                                      |       | res      |          |            | bottles checked<br>for pH: |                      |
|          |  | entified on Chain of Custody?        | ·     | Yes      | 🖌 No     | <u> </u>   |                            | or >12 unless noted) |
| 15. ls i | it clear what analyses                         | were requested?                      |       | Yes      | 🖌 No     |            | Adjusted?                  |                      |
|          | ere all holding times at                       |                                      |       | Yes      | V No     |            |                            |                      |
|          | no, notify customer for                        | ,                                    |       |          |          |            | Checked by:                |                      |
| •        | al Handling (if ap                             |                                      |       |          | —        |            |                            |                      |
| 17. vva  | as client notified of all                      | discrepancies with this order?       |       | Yes      | _ No     |            | NA 🗹                       |                      |
|          | Person Notified:                               | · · · · · · · ·                      | Date  |          |          |            | · · · ·                    |                      |
|          | By Whom:                                       |                                      | Via:  | 🗌 eMail  |          | hone (     | 🗌 Fax 🛄 In Person          | -                    |
|          | Regarding:                                     |                                      |       | ·        |          |            |                            | <u> </u>             |
|          | Client Instructions:                           | ļ .                                  |       |          |          |            |                            |                      |
| 18. Ad   | ditional remarks:                              |                                      |       |          |          |            |                            |                      |
|          |  |                                      |       |          |          |            |                            |                      |

### 19. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1         | 2.8     | Good      | Yes         |         |           |           |

| С        | hain                 | -of-Cu     | istody Record                          | Turn-Around              | Time:                | · · · ·  |              | ]   |               | 1                             | P                    |                    |                   |                   | <b>R 1</b> %                    | /T F                       | 30          |                 |      |               | -          |                      |
|----------|----------------------|------------|--|--------------------------|----------------------|----------|--------------|---|---------------|-------------------------------|----------------------|--------------------|-------------------|-------------------|---------------------------------|----------------------------|-------------|-----------------|------|---------------|------------|----------------------|
| Client:  | Junitaria            | BAUKZE     | on muntal Services                     | -<br>□ Standard          | 🕅 Rush               | Same Da  | w            |   |               |                               | _                    |                    |                   |                   |                                 |                            |             |                 |      |               | TAL<br>DR` |                      |
|          | -11011004.5          |            | All and a second                       | Project Name             | ə:                   |          | 6            |   | 28<br>28      | 172                           |                      |                    |                   |                   | /ironi                          |                            |             |                 |      | -204          |            | •                    |
| Mailing  | Address              | 10.0       |  | Curdiff                  | محتليك               |          |              |   | 40            | 04.1                          |                      |                    |                   |                   |                                 |                            |             |                 | 7400 |               |            |                      |
|          |                      |            | E. Comarche                            | Cund:Ff<br>Project #:    | ¥ 100                |          |              | 4901 Hawkins NE - Albuquerque, NM 87109<br>Tel. 505-345-3975 Fax 505-345-4107 |               |                               |                      |                    |                   |                   |                                 |                            |             |                 |      |               |            |                      |
|          | •                    |            | 07401                                  | -                        |                      |          |              | 5 K. 18   |               |                               |                      | _                  |                   |                   |                                 |                            |             |                 | -    | . 7           |            |                      |
|          |                      | - 564-     | 2281                                   | Designed Maria           |                      |          |              | Analysis Request  |               |                               |                      |                    |                   |                   |                                 |                            |             |                 |      |               |            |                      |
| email or |                      |            |  | Project Manager:         |                      |          | 31)          | TPH (Gas only)  | iese          |                               |                      |                    |                   | SO4               | s's                             |                            |             |                 |      |               |            |                      |
|          | <sup>D</sup> ackage: |            | Level 4 (Full Validation)              | D. Watso                 |                      |          |              | (80   | Gas           | ls/D                          |                      |                    |                   |                   | -0 <sup>4</sup>                 | DCE                        |             |                 |      |               |            |                      |
| Accredi  |                      |            |  |                          |                      |          |              | <b>ELES</b> (8021)  | H (C          | (Ga                           |                      |                    |                   |                   |                                 | 82                         |             |                 |      |               |            |                      |
|          |                      | 🗆 Othe     | er                                     |                          |                      |          | R            |   | 15B           | 8.1)                          | 1.1                  | (H)                |                   |                   | / 80                            |                            | 1           |                 |      |               | lŜ         |                      |
|          | (Type)               |            | ······································ | Sample, Tem              | perature: • 2        | or a     |              | Ŕ   | Ш             | 80                            | d 41                 | d 5(               | r P               | tals              | PR<br>No                        | des                        | 2           | N<br>N          |      |               |            | د<br>ح               |
| Date     | Time                 | Matrix     | Sample Request ID                      | - 12                     | Preservative<br>Type |          | No           | BTEX + NEE  | BTEX + MTBE + | TPH Method 8015B (Gas/Diesel) | TPH (Method 418.1)   | EDB (Method 504.1) | 8310 (PNA or PAH) | <b>RCRA 8 Mei</b> | Anions (F.C.) 3, NO2, PO4, SO4) | 8081 Pesticides / 8082 PCB | 8260B (VOA) | 8270 (Semi-VOA) |      |               |            | Air Bubbles (Y or N) |
| 10/19/12 | 1+51                 | Soil       | SC-1                                   | MOHKI                    | MOHNON               | 12/0965  | -1           | X   |               |                               |                      |                    |                   |                   | X                               | 3                          |             |                 |      |               |            |                      |
|          |                      | <br>       |  | 3                        |                      |          |              |   |               |                               |                      |                    |                   |                   |                                 |                            |             |                 |      |               |            | $\top$               |
|          |                      |            |  |                          | -                    |          |              |   |               |                               |                      |                    |                   | -                 |                                 |                            |             |                 |      |               |            | +                    |
|          |                      |            |  |                          |                      |          |              |   |               |                               |                      |                    |                   |                   |                                 |                            | <u> </u>    |                 |      |               |            | +                    |
| ·        |                      |            |  |                          |                      |          |              |   |               |                               |                      |                    | _                 |                   |                                 |                            |             |                 |      | -+            |            |                      |
|          |                      |            |  |                          |                      |          |              |   |               |                               |                      |                    |                   |                   |                                 |                            |             |                 |      |               |            |                      |
| ,        |                      |            | · .                                    |                          |                      |          |              |   |               |                               |                      |                    |                   | <u> </u>          |                                 |                            |             |                 |      | $\rightarrow$ |            | _                    |
|          |                      |            |  |                          |                      | h        |              |   |               |                               |                      |                    | -                 |                   |                                 |                            |             |                 |      |               |            |                      |
|          |                      |            |  |                          |                      |          | . <u>-</u>   |   |               |                               |                      |                    |                   |                   |                                 |                            |             |                 |      |               | _          |                      |
|          |                      |            |  | <u> </u>                 |                      | ·····    |              |   |               |                               |                      |                    |                   | ·                 |                                 |                            |             |                 |      |               |            |                      |
|          |                      | · .        | · · · · · · · · · · · · · · · · · · ·  |                          |                      |          |              |   |               |                               |                      |                    |                   |                   |                                 |                            |             |                 |      |               |            |                      |
|          |                      |            |  | <u> </u>                 |                      |          |              |   |               |                               |                      |                    |                   |                   |                                 |                            |             |                 |      |               | -+         |                      |
|          |                      |            | L                                      |                          |                      |          |              |   |               |                               |                      |                    |                   |                   |                                 |                            |             |                 |      |               |            |                      |
| Date:    | Time:<br>1699        | Relinquish | the M. Woon                            | Received by:             | Vielt                | 10/19/12 | Time<br>1649 | Remarks: Bill to ConocoPhillips<br>Work Order: 10340207 User ID: KGARCI       |               |                               |                      |                    | LIA               |                   |                                 |                            |             |                 |      |               |            |                      |
| Daté:    | Time:<br>172x        | Relinquish | by:                                    | Received by: Date Time A |                      |          | A cl<br>Sup  | 4101J<br>14171J   | h : (         | 20<br>He                      | O<br>ny <sup>1</sup> | Dee                | -                 |                   | Area                            |                            |             | مرط             | Jes  | s Hei         | nion       |                      |

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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

## Journey, Denise D

| From:    | Heather Woods <hwoods@animasenvironmental.com></hwoods@animasenvironmental.com> |
|----------|---|
| Sent:    | Friday, October 19, 2012 3:07 PM  |
| То:      | SJBU E-Team   |
| Cc:      | Tafoya, Crystal; Maxwell, Ashley  |
| Subject: | [EXTERNAL]Field Results for Cundiff #100 BGT                                    |

Field Results for the Cundiff #100 BGT are as follows:

| Sample ID | OVM (ppm) | TPH (mg/kg) |
|-----------|-----------|-------------|
| S-1       | 1.3       | 48.0        |
| S-2       | 1.1       | 53.4        |
| S-3       | 0.7       | 29.2        |
| S-4       | ·· 1.0    | 34.5        |
| S-5       | 1.0       | 50.0        |

Field chlorides for composite sample SC-1 were 40 mg/kg. SC-1 was submitted to the laboratory for 8021 (BTEX) and 300.0 (chlorides).

1

Many Thanks, Heather

#### Heather M. Woods

Staff Geologist Animas Environmental Services, LLC 624 E. Comanche Farmington, NM 87401 office: (505) 564-2281 cell: (505) 716-2787 fax: (505) 324-2022 hwoods@animasenvironmental.com

WOMAN-OWNED SMALL BUSINESS www.animasenvironmental.com

## HALL ENVIRONMENTAL ANALYSIS LABORATORY

October 25, 2012

Debbie Watson Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 486-4071 FAX (505) 324-2022

RE: Cundiff #100

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

OrderNo.: 1210965

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/20/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

#### **Analytical Report**

## Lab Order 1210965

Date Reported: 10/25/2012

## Hall Environmental Analysis Laboratory, Inc.

=

| CLIENT: Animas Environmental Services<br>Project: Cundiff #100 |         |        | Client Sample     |    | 2012 11:51:00 AM       |
|--|---------|--------|-------------------|----|------------------------|
| Lab ID: 1210965-001  | Matrix: | SOIL   | /2012 11.51.00 AM |    |                        |
| Analyses   | Result  | RL Qu  | al Units          | DF | Date Analyzed          |
| EPA METHOD 8021B: VOLATILES                                    |         |        |                   |    | Analyst: NSB           |
| Benzene  | ND      | 0.050  | mg/Kg             | 1  | 10/22/2012 1:40:01 PM  |
| Toluene  | ND      | 0.050  | mg/Kg             | 1  | 10/22/2012 1:40:01 PM  |
| Ethylbenzene   | ND      | 0.050  | mg/Kg             | 1  | 10/22/2012 1:40:01 PM  |
| Xylenes, Total   | ND      | 0.10   | mg/Kg             | 1  | 10/22/2012 1:40:01 PM  |
| Surr: 4-Bromofluorobenzene                                     | 103     | 80-120 | %REC              | 1  | 10/22/2012 1:40:01 PM  |
| EPA METHOD 300.0: ANIONS                                       |         |        |                   |    | Analyst: SRM           |
| Chloride   | ND      | 30     | mg/Kg             | 20 | 10/22/2012 12:28:44 PM |

Qualifiers:

\*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

## QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

| Client:<br>Project: | Anima<br>Cundif | s Environmental Ser<br>f#100 | vices     |             |                     |                    |      | ·        |      |
|---------------------|-----------------|------------------------------|-----------|-------------|---------------------|--------------------|------|----------|------|
| Sample ID MB        | -4442           | SampType: MI                 | BLK       | Test        | Code: EPA Meth      | od 300.0: Anion    | IS   |          |      |
| Client ID; PB       | s               | Batch ID: 44                 | 42        | Ru          | inNo: <b>6409</b>   |                    |      |          |      |
| Prep Date: 10       | 0/22/2012       | Analysis Date: 10            | 0/22/2012 | Se          | eqNo: 184313        | Units: mg/k        | ٢g   |          |      |
| Analyte             |                 | Result PQL                   | SPK value | SPK Ref Val | %REC LowLin         | it HighLimit       | %RPD | RPDLimit | Qual |
| Chloride            |                 | ND 1.5                       |           |             |                     |                    |      |          |      |
| Sample ID LC:       | S-4442          | SampType: LC                 | S         | Test        | Code: EPA Meth      | od 300.0: Anion    | S    |          |      |
| Client ID: LC       | ss              | Batch ID: 44                 | 42        | Ru          | inNo: 6409          |                    |      |          |      |
| Prep Date: 10       | )/22/2012       | Analysis Date: 10            | 0/22/2012 | . Se        | eqNo: <b>184314</b> | Units: <b>mg/H</b> | (g   |          |      |
| Analyte             |                 | Result PQL                   | SPK value | SPK Ref Val | %REC LowLin         | it HighLimit       | %RPD | RPDLimit | Qual |

90

110

15 1.5 15.00 0 100

#### Qualifiers:

Chloride

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

WO#: 1210965

25-Oct-12

## QC SUMMARY REPORT

\_

| Hall Environmental | <b>Analysis La</b> | boratory, Inc. |
|--------------------|--------------------|----------------|
|                    | 2                  | <b>,</b>       |

|                            | as Environme<br>ff #100 | ntal Ser | vices     |             |          |           |             |       |          |      |
|----------------------------|-------------------------|----------|-----------|-------------|----------|-----------|-------------|-------|----------|------|
| Sample ID MB-4420          | Samp                    | Гуре: МЕ | BLK       | Tes         | Code: El | PA Method | 8021B: Vola | tiles |          |      |
| Client ID: PBS             | Batc                    | h ID: 44 | 20        | F           | tunNo: 6 | 401       |             |       |          |      |
| Prep Date: 10/19/2012      | Analysis [              | Date: 10 | )/22/2012 | S           | eqNo: 1  | 84440     | Units: mg/M | (g    |          |      |
| Analyte                    | Result                  | PQL      | SPK value | SPK Ref Val | %REC     | LowLimit  | HighLimit   | %RPD  | RPDLimit | Qual |
| Benzene                    | ND                      | 0.050    |           |             |          |           |             |       |          |      |
| Toluene                    | ND                      | 0.050    |           |             |          |           |             |       |          |      |
| Ethylbenzene               | ND                      | 0.050    |           |             |          |           |             |       |          |      |
| Xylenes, Total             | ND                      | 0.10     |           |             |          |           |             |       |          |      |
| Surr: 4-Bromofluorobenzene | 1.0                     |          | 1.000     |             | 104      | 80        | 120         |       |          |      |
| Sample ID LCS-4420         | Samp                    | Type: LC | s         | Tes         | tCode: E | PA Method | 8021B: Vola | tiles |          |      |
| Client ID: LCSS            | Batc                    | h ID: 44 | 20        | F           | lunNo: 6 | 401       |             |       |          |      |
| Prep Date: 10/19/2012      | Analysis [              | Date: 10 | 0/22/2012 | S           | eqNo: 1  | 84441     | Units: mg/H | (g    |          |      |
| Analyte                    | Result                  | PQL      | SPK value | SPK Ref Val | %REC     | LowLimit  | HighLimit   | %RPD  | RPDLimit | Qual |
| Benzene                    | 1.1                     | 0.050    | 1.000     | 0           | 108      | 76.3      | 117         |       |          |      |
| Toluene                    | 1.1                     | 0.050    | 1.000     | 0           | 107      | 80        | 120         |       |          |      |
| Ethylbenzene               | 1.1                     | 0.050    | 1.000     | 0           | 108      | 77        | 116         |       |          |      |
| Kylenes, Total             | 3.2                     | 0.10     | 3.000     | 0           | 107      | 76.7      | 117         |       |          |      |
| Surr: 4-Bromofluorobenzene | 1.1                     |          | 1.000     |             | 108      | 80        | 120         |       |          |      |

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
  - Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

ND

WO#: 1210965 25-Oct-12

| 10<br>1-45<br>1-45 | HALL          |   |
|--------------------|---------------|---|
| 43.<br>7           | ENVIRONMENTAL |   |
| 57                 | ANALYSIS      |   |
|                    | LABORATORY    | • |

#### Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105 TEL: 505-345-3975 FAX: 505-345-410; Website: www.hallenvironmental.com

## Sample Log-In Check List

| Clier      | it Name:       | Animas Environme                                   | ntal                         | Work Orc                   | ler Numbe | r: 121096         | 5  |            |               |
|------------|----------------|--|------------------------------|----------------------------|-----------|-------------------|--|------------|---------------|
| Rece       | eived by/date  | e: AF  | 14/20112                     |                            |           |                   |  |            |               |
| Logg       | ied By:        | Andy Freeman                                       | 10/20/2012                   |                            | d         | andy              |  |            |               |
| Com        | pleted By:     | Anne Thorne  | 10/22/2012                   |                            | 4         | Ander<br>Anne Hum | -  |            |               |
| Revi       | ewed By:       | AT 10/22,  | 112                          |                            |           |                   |  |            |               |
| Cha        | in of Cus      | •  |                              |                            |           |                   |  |            |               |
| 1.         | Were seals     | intact?  |                              | Yes                        | 🗌 No 🗌    | Not I             | Present 🗹                                  |            |               |
| 2.         | Is Chain of (  | Custody complete?                                  |                              | Yes                        | 🗹 No 🗌    | Not               | Present 🗌                                  |            |               |
| З.         | How was the    | e sample delivered?                                |                              | <u>Couri</u>               | er        |                   |  |            |               |
| Log        | <u>In</u>      |  |                              |                            |           |                   |  |            |               |
| <b>4</b> . | Coolers are    | present? (see 19. for                              | cooler specific information) | Yes                        | ✓ No [    |                   |  |            |               |
| 5.         | Was an atte    | mpt made to cool the                               | samples?                     | Yes                        | ✓ No [    |                   | NA 🗌                                       |            |               |
| 6.         | Were all sar   | nples received at a te                             | mperature of >0° C to 6.0°C  | Yes                        | 🔽 No [    |                   | na 🗆                                       |            |               |
| 7.         | Sample(s) ir   | n proper container(s)?                             | •                            | Yes                        | 🗹 No 🗌    | ]                 |  |            | · · .         |
| 8.         | Sufficient sa  | mple volume for indic                              | ated test(s)?                | Yes                        | 🗹 No 🗌    |                   |  |            |               |
| 9.         | Are samples    | s (except VOA and ON                               | IG) properly preserved?      | Yes                        | 🗹 No 🗌    |                   |  |            |               |
| 10.        | Was presen     | vative added to bottles                            | ?                            | Yes                        | 🗌 No 🗹    |                   | NA 🗌                                       |            |               |
| 11.        | VOA vials h    | ave zero headspace?                                |                              | Yes                        | □ No □    | ] No VO           | A Vials 🗹                                  |            |               |
| 12.        | Were any sa    | ample containers rece                              | ived broken?                 | Yes                        |           |                   |  |            |               |
|            |                | work match bottle labe<br>pancies on chain of ci   |                              | Yes                        | 🔽 No 🗌    | -1                | # of preserver<br>bottles check<br>for pH: |            |               |
| 14.        | Are matrices   | s correctly identified or                          | Chain of Custody?            | Yes                        | 🗹 No 🗌    | ]·                | •  | (<2 or >12 | unless noted) |
| 15.        | Is it clear wh | nat analyses were requ                             | uested?                      |                            | 🖌 No 🗌    |                   | Adjuste                                    | d?         |               |
|            |                | ding times able to be a<br>customer for authorized |                              | Yes                        | ✓ No □    | _].               | Checked                                    | i by:      |               |
| Spe        | cial Hand      | ling (if applicable                                | <u>ə)</u>                    |                            |           |                   |  |            |               |
| 17.        | Was client n   | otified of all discrepar                           | cies with this order?        | Yes                        | 🗆 No 🗆    | ]                 | NA 🔽                                       |            |               |
|            | Person         | Notified:  | Date                         | •                          |           |                   | ,  |            |               |
|            | By Wh          | om:  | Via:                         | P                          | 📋 Phor    | ne 🔲 Fax          | : 🗌 In Pers                                | on         |               |
|            | Regard         | ling:  |                              |                            |           |                   |  |            |               |
|            | Client I       | Instructions:                                      |                              | Colony (Const Colon of the |           |                   |  |            |               |

18. Additional remarks:

### 19. Cooler Information

| Cooler No | Temp ºC | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1         | 2.8     | Good      | Yes         |         |           |           |

|          | hain       | ₀of-Cu       | stody Record                             | Turn-Around             | Time:                 |                       |  |                   |                | 5                             | -                  | A           | LL        | E             | NV                          | /IF             | 20          | NF              | ИE       | NT            | AL        | -                    |
|----------|------------|--------------|--|-------------------------|-----------------------|-----------------------|--|-------------------|----------------|-------------------------------|--------------------|-------------|-----------|---------------|-----------------------------|-----------------|-------------|-----------------|----------|---------------|-----------|----------------------|
| Client:  | Animas     | Enviro       | n mindral Services                       | □ Standard              | 🕅 Rush                | Same Da               | y_   |                   |                | F                             | -                  |             |           |               |                             |                 |             |                 |          |               | DR        |                      |
|          |            |              | <u> </u>                                 | Project Name            | );<br>;               |                       | 0  |                   | <u></u>        |                               |                    |             | v.hali    |               |                             |                 |             |                 |          |               |           |                      |
| Mailing  | Address    | 1.0.10       | - Comarchi                               | Cundiff                 | # 100                 |                       |  |                   | 40             | റ  പ                          | awki               | ·           |           |               |                             |                 |             |                 | 100      |               |           |                      |
|          |            |              |  | Project #:              | #100                  | · · · ·               |  | -                 |                |                               |                    |             |           |               |                             | •               |             |                 |          |               |           |                      |
|          |            | •            | 07401                                    |                         |                       |                       |  |                   |                |                               | 5-34               |             |           |               |                             |                 |             | 410             |          | 1             | <i></i>   |                      |
|          |            | -564-1       | 2281                                     |                         |                       |                       |  |                   |                |                               |                    |             |           |               | 1,10,000                    | <u>, ve</u> ų   | ues         |                 |          |               |           |                      |
| email or |            |              |  | Project Mana            | ger:                  |                       | · .  | E                 | lno<br>V       | ese                           |                    |             |           |               | \$04                        | S               |             |                 |          |               |           |                      |
| QA/QC F  | -          |              | Level 4 (Full Validation)                | D. Watso                | n .                   |                       |  | \$ (8021)         | TPH (Gas only) | as/Di                         |                    |             |           |               | РО4,                        | PCB's           |             |                 |          |               |           |                      |
| Accredi  |            |              |  | Sampler: 🙀              | Woods                 |                       |  |                   | H              | ()<br>m                       | Ê                  | Ę           |           |               | 02                          | / 8082          |             |                 |          |               |           |                      |
|          | ٩P         | 🗆 Othe       | r  | On-lice St. A           | 潘 Yes + :             | B No                  |  | 8 +               |                | 151                           | 18.                | 504.1)      | PAH)      |               |                             | s / 8           |             | (¥              |          |               |           | -<br>L<br>L          |
|          | (Type)     |              |  | Sample Tem              | perature 22           | obec .                | 117 (C. 0)<br>1  | NHE N             | ШШ             | d 8(                          | d 4                | 2<br>Q      | ъ         | stals         | N                           | ide:            | A           | 2               |          |               |           | Z                    |
| Date     | Time       | Matrix       | Sample Request ID                        | Container<br>Type and # | Preservative<br>Type  | HEALN                 | 0<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9 | BTEX + NE         | BTEX + MTBE +  | TPH Method 8015B (Gas/Diesel) | TPH (Method 418.1) | EDB (Method | 8310 (PNA | RCRA 8 Metals | Anions (FCINO3,NO2,PO4,SO4) | 8081 Pesticides | 8260B (VOA) | 8270 (Semi-VOA) |          |               |           | Air Bubbles (Y or N) |
|          | 1601       | S : 1 1      | SC-1                                     | MOHKIN                  | MOH-                  | 12/0965-              | . (  | X                 |                | -                             |                    |             |           |               | X                           |                 |             |                 |          |               | +         | +                    |
| 10/19/12 |            | Soil         |  | 402                     | Non                   | 1610105               | . I  |                   |                |                               |                    |             | _         |               | ~                           |                 |             |                 |          | $\rightarrow$ |           | +                    |
|          | <u>.</u>   | r.<br>       | · · · · · · · · · · · · · · · · · · ·    |                         |                       |                       |  |                   |                |                               |                    |             |           |               |                             |                 |             | {               |          | +             | <u> </u>  |                      |
|          |            |              | 19 <sup>1</sup> 007                      |                         |                       |                       |  |                   |                |                               |                    | _           |           |               |                             |                 |             |                 |          |               | $\square$ |                      |
|          |            |              |  |                         |                       |                       |  |                   |                |                               |                    |             |           |               |                             |                 |             |                 |          |               |           | {                    |
|          |            |              |  |                         |                       |                       |  |                   |                |                               |                    |             |           |               |                             |                 |             |                 |          |               |           |                      |
| · ·      |            | · ·          |  |                         |                       |                       |  | <b>_</b>          |                |                               |                    |             |           |               |                             |                 |             |                 |          |               |           | <u> </u>             |
|          | •          |              |  | -                       |                       |                       |  |                   |                |                               |                    |             |           |               |                             |                 |             |                 |          | -+            |           | +                    |
|          |            |              | <u> </u>                                 |                         |                       |                       |  |                   |                |                               |                    |             |           |               |                             |                 |             |                 |          | +             |           | +                    |
|          |            |              | · · · · · · · · · · · · · · · · · · ·    |                         |                       | ····                  |  |                   |                |                               |                    | -           |           |               |                             |                 |             |                 |          | <u> </u>      |           |                      |
|          | . <u> </u> | -            |  |                         |                       |                       |  | <u> </u>          |                |                               | -+                 |             |           |               |                             |                 |             |                 |          |               |           |                      |
|          | <u> </u>   |              |  |                         |                       |                       |  | L                 |                |                               |                    |             |           |               |                             |                 |             |                 |          | ······        |           |                      |
|          |            |              |  |                         |                       |                       |  |                   |                |                               |                    |             |           |               |                             |                 |             |                 |          |               |           |                      |
|          |            |              |  |                         |                       |                       |  |                   |                |                               |                    |             |           |               |                             |                 |             |                 |          |               |           |                      |
| Date:    | Time:      | Relinquishe  | ed by:                                   | Received by:            |                       |                       | me   | Ren               | narks          | 5: B                          | 111                | юС          | ono       | cDf           | phil                        | l'i p           | s           |                 |          |               |           |                      |
| 19/12    | 1649       | Hee          | the M. Wood                              | -/ mate                 | , Valter              | 10/19/11              | 1649   | Wo                | k Or           | der'.                         | 103                | 540         | 20        | 7             |                             | ميذن            | ID'         | . K(            | -Αρ      | CIA           |           |                      |
| Date:    | Time:      | Relinquishe  | ed by:                                   | Received by:            |                       |                       | me   | Ac                | finit          | 3:0                           | 20                 | D           |           | •             |                             | Ane             | a :         | ]               |          |               |           |                      |
| 2/19/12  | 1720       | 1 Chr.       | stre Walter                              | andy                    | 1                     |                       | 600  | Wor<br>Act<br>Sup |                |                               |                    | <u> </u>    |           |               |                             |                 |             |                 |          |               | s Hei     | nim                  |
| Ī        | necessary, | samples subn | nitted to Hall Environmental may be subc | contracted to other ac  | ccredited laboratorie | es. This serves as no | otice of this  | s possil          | oility. A      | Any su                        | b-conti            | racted      | data i    | vill be       | clear                       | y nota          | ted on      | the ar          | nalytica | I report      | <u>.</u>  |                      |

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| If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical re | If necessary, samples submitted to Hall | I Environmental may be subcontracted to other accredited laboratories | 3. This serves as notice of this possibility. | Any sub-contracted data will be clear | rly notated on the analytical rep |
|--|---|---|---|---------------------------------------|-----------------------------------|
|--|---|---|---|---------------------------------------|-----------------------------------|

### Journey, Denise D

| From:<br>Sent:<br>To: | Dee, Harry P<br>Friday, October 19, 2012 9:08 AM<br>Bennie Valdez; Dana Duggins; Jason Valdez; Jesus Mendoza   |
|-----------------------|--|
| Cc:                   | GRP:SJBU Area 1; Bassing, Kendal R.; Bowman, J.B. D; Brant Fourr; Bruce Yazzie;<br>Crawford, Dale T; Gardenhire, James E; Goodwin, Jamie L; Henson, Jess (PAC); Hoppe,<br>Lynn D; Jaramillo, Marie E; Jess Henson; Jones, Tim (PAC); Karrie Clark; Payne, Wendy F;<br>Sessions, Tamra D; Smith, Randall O; Tafoya, John D; Tri Energy; Yazzie, Bruce (Chenault<br>Consulting Inc.) |
| Subject:              | P&A Facility Strip Notice: Cundiff 100 (Area 1 * Run 110)  |
| Importance:           | High   |

Please submit a One Call to strip all equipment, buried lines, and anchors off this P&A'd location, spot entire location. Secondary sweep required. Network # 10340207- Activity Code C200 - PO: Kgarcia.

Driving directions: From the intersection of Hwy 516 and Hwy 574 in Aztec, NM go North on Hwy 574 to CR 1350 (Hartley Springs Road) and turn right. Go 4.5 miles on CR 1350 to CR 1354 and turn right. Go .1 mile turn left, go 1 mile and turn left, go 3.4 miles and turn right. Go .1 mile to location on left.

Area 1 - Richard Lopez 320-9539 Lead - Toby Young 320-2598 Spec - Shawn Fincher 320-2505 Run 110 MSO - Peter Jim 320-0875 Stripping Onsite - Jess Henson 320-5079

Harry Dee

Project Lead - C&P Projects ConocoPhillips San Juan Business Unit Farmington, NM 505-326-9733 Office 505-320-3429 Cell 505-599-7281 Pager

 From:
 Gardenhire, James E

 Sent:
 Wednesday, October 17, 2012 2:14 PM

 To:
 Crawford, Lea A; Dee, Harry P; Ferrari, Mitchell R; Gallegos, Dale M; Hoppe, Lynn D; Jones, Tim (PAC); Mobley Stan

 (stanmobley@live.com); Montoya, Sheldon C; Payne, Wendy F; Quint Westcott; Reinhardt, Arminda J; Rey, Carlos P.; Scott Smith;
 Tafoya, John D; Tally, Ethel; Velarde, Kyle (Jade Sales & Service Inc.); Wells, Charlie A

 Subject:
 P&A Facility Strip Notice: Cundiff 100 (Area 1 \* Run 110)

 Importance:
 High

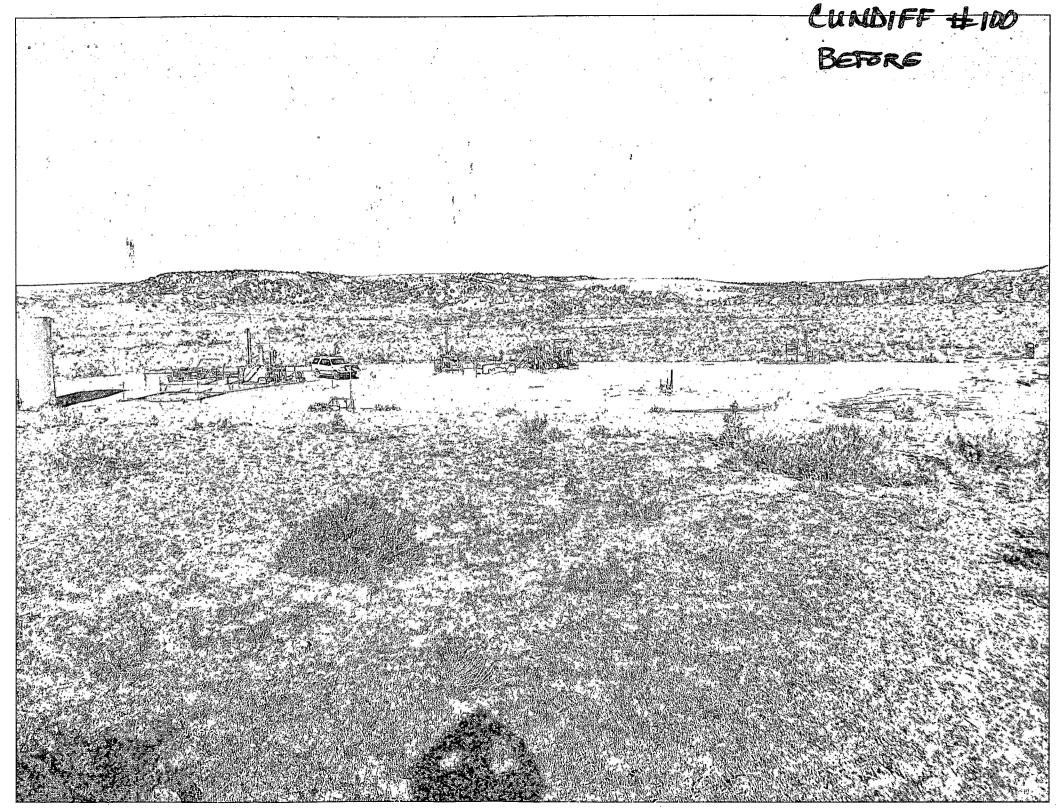
Please find the legal's for the **Cundiff 100 (P&A)** for stripping of all equipment. A full strip is required in preparation of the reclamation. Contact Harry Dee (320-3429) if you have any questions. CP on location, rectifier only services this location, ok to strip facilities.

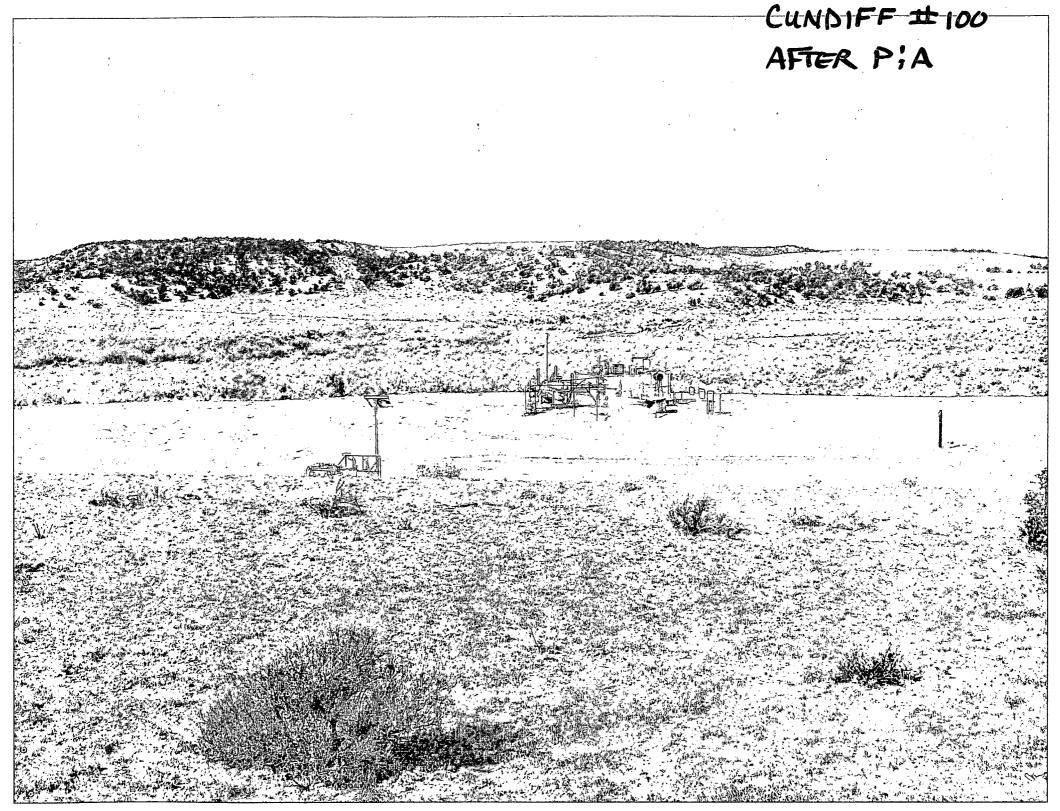
Thank you.

Burlington Well - Network 10340207 - Activity Code C200 - PO: Kgarcia San Juan County, NM

Cundiff 100 955' FNL & 855' FEL Sec.19, T32N, R12W Unit Letter " A " Lease # SF-078311 Latitude: 36.9761350 N (NAD 27) Longitude: 107.12928700 W (NAD 27) Pipeline: EPCO Elevation: 5902' API # 30-045-31794

James E. Gardenhire **ConocoPhillips Company-SJBU** Projects - Technician 505-599-4036 505-330-7803 San Juan Business Unit





December 27, 2013

5

The Cundiff #100 well shares a location with Energen for their well Cundiff 1X.

Burlington Resources has P&A'd the Cundiff 100 on 10/15/12 and removed the BGT and our facilities from location on 11/2/12.

All that remains on location is our P&A Marker and Energen's Facilities and Wellhead.

Due to a change in personnel, the BGT Closure paperwork is just now being submitted.

RCVD DEC 31'13 OIL CONS. DIV. DIST. 3

## Burlington Resources Oil Gas Company, LP San Juan Basin Below Grade Tank Closure Report

RCVD JAN 10'14 OIL CONS. DIV. DIST. 3

## Lease Name: CUNDIFF #100 API No.: 30-045-31794

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure of the below-grade tank referenced above. All proper documentation regarding closure activities is being included with the C-144.

#### General Plan:

- BR shall close a below-grade tank within 60 days of cessation of operations per Subsection G.4 of 19.15.17.13 NMAC. This will include a) below-grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC; b) an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. For any closure, BR will file the C144 Closure Report as required.
- 2. The below-grade tank referenced above was permitted and closed within 60 days of cessation of the below-grade tanks operation.
- BR shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005), JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.

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). The liner was cleaned per Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC was disposed of at the San Juan County Regional Landfill located on CR 3100.

4. BR Will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves.

The below-grade tank was disposed of in a division-approved manner.

5. If there is any on-site equipment associated with a below-grade tank, then BR shall remove the equipment, unless the equipment is required for some other purpose.

#### All on-site equipment associated with the below-grade tank was removed.

- 6. BR will test the soils beneath the below-grade tank to determine whether a release has occurred. COPC shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyzed for the constituents listed in Table I of 19.15.17.13 NMAC. COPC shall notify the division of its results on form C-141.
- 7. A five point composite sample was taken of the below-grade tank using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b). (Sample results attached). Form C-141 is attached.

| Components | Tests Method              | Limit (mg/kg) |
|------------|---------------------------|---------------|
| Benzene    | EPA SW-846 8021B or 8260B | 0.2           |
| BTEX       | EPA SW-846 8021B or 8260B | 50            |
| ТРН        | EPA SW-846 418.1          | 100           |
| Chlorides  | EPA 300.1                 | 250           |

8. If BR or the division determines that a release has occurred, then BR shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.

#### A release was not determined for the above referenced well.

9. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Table I of 19.15.17.13 NMAC, then BR shall backfill the excavation with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site.

The below-grade tank area passed all requirements of Paragraph (4) of Subsection E of 19.15.17.13 NMAC and was backfilled with compacted, non-waste containing, earthen material.

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

#### Notification not found. See attached explanation.

11. The surface owner shall be notified of BR's closing of the below-grade tank 72 hours, but not more than one week, prior to closure as per the approved closure plan via 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.)

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 below-grade tank area was re-contoured to match fit, shape, line, form and texture of the surrounding area. Re-shaping including 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 recontour has a uniform appearance with smooth surface, fitting the natural landscape.

13. BR Shall seed the disturbed areas the first favorable growing season following closure of a below-grade tank. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will used on federally regulated lands and division-approved seed mixtures (administratively approved if required) will be utilized on all State or private lands. A uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent (50%) of pre- disturbance levels and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds. If alternate seed mix is required by the state, private owner or tribe, it will be implemented with administrative approval if needed. COPC will repeat seeding or planting will be continued until successful vegetative growth occurs.

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

14. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material, with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.

The below-grade tank area was backfilled and more than four feet of cover was achieved and the cover included one foot of suitable material to establish vegetation at the site.

1/9/2014

15. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on C-144 and incorporate the following:

- Soil Backfilling and Cover Installation (See Report)
- Re-vegetation application rates and seeding techniques (See Report)
- Photo documentation of the site reclamation (Included as an attachment)
- Confirmation Sampling Results (Included as an attachment)
- Proof of closure notice (Included as an attachment)

Date: 1/9/14

#### CUNDIFF 100

30-045-31794

**BGT** Closure

Burlington Resources is submitting a Below Grade Tank (BGT) Closure Report to the District III NMOCD. Notification for approval of the above BGT was sent to Santa Fe on 2/18/13 and approved on 2/19/13.

Included in the BGT Closure Packet are the following documents:

C144 BGT Closure Report

**Closure Summary Report** 

**BGT Closure Report** 

Pictures

The Proof of Closure e-mail to District III NMOCD is missing. ConocoPhillips has reviewed our internal processes and has updated them to include the required 72 hour notification.

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Denise Journey, Regulatory Technician

ConocoPhillips Company