

District I  
1625 N French Dr, Hobbs, NM 88240  
District II  
1301 W Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S St Francis Dr, Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Department  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-144  
July 21, 2008

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

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

A35  
Collected

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

**Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request**

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

|  |                   |  |
|--|-------------------|--|
| Operator <u>Williams Operating Co, LLC</u>   |                   | OGRID # <u>120782</u>  |
| Address: <u>PO Box 640 / 721 S Main</u> <u>Aztec, NM 87410</u>   |                   |  |
| Facility or well name <u>Jicarilla 93 #015</u>   |                   |  |
| API Number <u>30-039-29810</u>   |                   | OCD Permit Number <u></u>  |
| U/L or Qtr/Qtr <u>P</u>  | Section <u>33</u> | Township <u>27N</u> Range <u>03W</u> County <u>Rio Arriba</u>  |
| Center of Proposed Design: Latitude <u>36° 31' 32.04147" N</u>   |                   | Longitude <u>-107° 08' 33.14624" W</u> NAD. <input type="checkbox"/> 1927 <input checked="" type="checkbox"/> 1983 |
| Surface Owner. <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Tribal Trust or Indian Allotment |                   |  |

|   |  |   |
|---|--|---|
| <input checked="" type="checkbox"/> <b>Pit:</b> Subsection F or G of 19 15 17.11 NMAC   |  | RCVD JUN 7 '12<br>OIL CONS. DIV.<br>DIST. 3 |
| Temporary <input type="checkbox"/> Drilling <input checked="" type="checkbox"/> Workover  |  |   |
| <input type="checkbox"/> Permanent <input type="checkbox"/> Emergency <input type="checkbox"/> Cavitation <input type="checkbox"/> P&A  |  |   |
| <input checked="" type="checkbox"/> Lined <input type="checkbox"/> Unlined Liner type: Thickness <u>20</u> mil <input type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other <u></u> |  |   |
| <input type="checkbox"/> String-Reinforced  |  |   |
| Liner Seams <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Factory <input type="checkbox"/> Other <u></u> Volume. <u>18,000</u> bbl Dimensions. L <u>140'</u> x W <u>60'</u> x D <u>12'</u>                                |  |   |

|   |  |
|---|--|
| <input type="checkbox"/> <b>Closed-loop System:</b> Subsection H of 19 15 17 11 NMAC  |  |
| Type of Operation <input type="checkbox"/> P&A <input type="checkbox"/> Drilling a new well <input type="checkbox"/> Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)    |  |
| <input type="checkbox"/> Drying Pad <input type="checkbox"/> Above Ground Steel Tanks <input type="checkbox"/> Haul-off Bins <input type="checkbox"/> Other <u></u>   |  |
| <input type="checkbox"/> Lined <input type="checkbox"/> Unlined Liner type Thickness <u></u> mil <input type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other <u></u> |  |
| Liner Seams <input type="checkbox"/> Welded <input type="checkbox"/> Factory <input type="checkbox"/> Other <u></u>   |  |

|  |  |
|--|--|
| <input type="checkbox"/> <b>Below-grade tank:</b> Subsection I of 19 15 17 11 NMAC   |  |
| Volume <u></u> bbl Type of fluid <u></u>   |  |
| Tank Construction material: <u></u>  |  |
| <input checked="" type="checkbox"/> Secondary containment with leak detection <input type="checkbox"/> Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off |  |
| <input type="checkbox"/> Visible sidewalls and liner <input type="checkbox"/> Visible sidewalls only <input type="checkbox"/> Other <u></u>                                  |  |
| Liner type: Thickness <u></u> mil <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other <u></u>  |  |

|   |  |
|---|--|
| <input type="checkbox"/> <b>Alternative Method:</b>   |  |
| Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval |  |

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

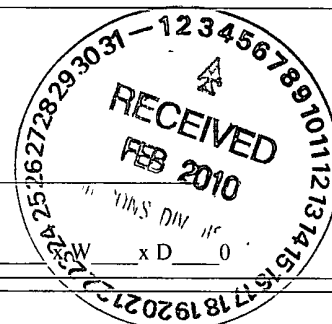
- Type of action: ☐ Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method  
☒ Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method  
☐ Modification to an existing permit  
☐ Closure plan only submitted for an existing permitted or non-permitted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

**Instructions:** Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances

1. Operator: Williams Operating Co, LLC OGRID #: 120782  
Address: PO Box 640 / 721 S Main Aztec, NM 87410  
Facility or well name Jicarilla 93 #015  
API Number: 30-039-29810 OCD Permit Number: \_\_\_\_\_  
U/L or Qtr/Qtr P Section 33 Township 27N Range 03W County: Rio Arriba  
Center of Proposed Design: Latitude 36° 31' 32.04147" N Longitude -107° 08' 33.14624" W NAD: ☐ 1927 ☒ 1983  
Surface Owner ☐ Federal ☐ State ☐ Private ☒ Tribal Trust or Indian Allotment

2 ☐ **Pit:** Subsection F or G of 19.15 17.11 NMAC  
Temporary. ☐ Drilling ☒ Workover  
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A  
☐ Lined ☐ Unlined Liner type Thickness \_\_\_\_\_ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_  
☐ String-Reinforced  
Liner Seams: ☐ Welded ☐ Factory ☐ Other \_\_\_\_\_ Volume \_\_\_\_\_ bbl Dimensions L \_\_\_\_\_ x D \_\_\_\_\_



3 ☐ **Closed-loop System:** Subsection H of 19.15 17.11 NMAC  
Type of Operation ☐ P&A ☐ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)  
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other \_\_\_\_\_  
☐ Lined ☐ Unlined Liner type Thickness \_\_\_\_\_ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_  
Liner Seams: ☐ Welded ☐ Factory ☐ Other \_\_\_\_\_



4 ☒ **Below-grade tank:** Subsection I of 19.15 17.11 NMAC  
Volume: 120 bbl Type of fluid: PRODUCED WATER  
Tank Construction material: DBL WALL STEEL  
☒ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off  
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other \_\_\_\_\_  
Liner type. Thickness \_\_\_\_\_ mil ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_

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

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

- ☐ Chain link, six feet in height, two strands of barbed wire at top (*Required if located within 1000 feet of a permanent residence, school, hospital, institution or church*)
- ☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
- ☒ Alternate. Please specify \_\_\_\_\_ per BLM strips \_\_\_\_\_

7

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

- ☒ Screen ☐ Netting ☐ Other \_\_\_\_\_
- ☐ Monthly inspections (If netting or screening is not physically feasible)

8.

**Signs:** Subsection C of 19.15 17.11 NMAC

- ☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
- ☒ Signed in compliance with 19.15 3 103 NMAC

9

**Administrative Approvals and Exceptions:**

Justifications and/or demonstrations of equivalency are required. Please refer to 19 15 17 NMAC for guidance.

**Please check a box if one or more of the following is requested, if not leave blank:**

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

10

**Siting Criteria (regarding permitting):** 19.15.17.10 NMAC

**Instructions:** The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.

|   |  |
|---|--|
| Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                |
| Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)<br>- Topographic map; Visual inspection (certification) of the proposed site   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                |
| Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application ( <i>Applies to temporary, emergency, or cavitation pits and below-grade tanks</i> )<br>- Visual inspection (certification) of the proposed site, Aerial photo; Satellite image  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><input type="checkbox"/> NA |
| Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application ( <i>Applies to permanent pits</i> )<br>- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image   | <input type="checkbox"/> Yes <input type="checkbox"/> No<br><input checked="" type="checkbox"/> NA |
| Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application<br>- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended<br>- Written confirmation or verification from the municipality; Written approval obtained from the municipality  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                |
| Within 500 feet of a wetland.<br>- US Fish and Wildlife Wetland Identification map; Topographic map, Visual inspection (certification) of the proposed site   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                |
| Within the area overlying a subsurface mine.<br>- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                |
| Within an unstable area<br>- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS, NM Geological Society; Topographic map  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                |
| Within a 100-year floodplain<br>- FEMA map  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                |

11.

**Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist:** Subsection B of 19 15 17.9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☒ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19 15 17.9 NMAC
- ☒ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19 15 17.9 NMAC
- ☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☒ Design Plan - based upon the appropriate requirements of 19 15 17 11 NMAC
- ☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☒ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 15 17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_ or Permit Number \_\_\_\_\_

12.

**Closed-loop Systems Permit Application Attachment Checklist:** Subsection B of 19 15 17.9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19 15.17.9
- ☐ Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Design Plan - based upon the appropriate requirements of 19.15.17 11 NMAC
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 15 17.9 NMAC and 19 15 17 13 NMAC

☐ Previously Approved Design (attach copy of design) API Number \_\_\_\_\_

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

13.

**Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19 15 17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19 15 17 11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19 15 17 11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17 12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H<sub>2</sub>S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19 15 17.13 NMAC

14

**Proposed Closure:** 19 15.17 13 NMAC**Instructions:** Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☒ Below-grade Tank ☐ Closed-loop System

☐ Alternative

Proposed Closure Method: ☒ Waste Excavation and Removal

☐ Waste Removal (Closed-loop systems only)

☐ On-site Closure Method (Only for temporary pits and closed-loop systems)

☐ In-place Burial ☐ On-site Trench Burial

☐ Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

15

**Waste Excavation and Removal Closure Plan Checklist:** (19 15.17 13 NMAC) **Instructions:** Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17 13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17.13 NMAC

16.

**Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:** (19.15.17.13.D NMAC)

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

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

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

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

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

☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

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

17.

**Siting Criteria (regarding on-site closure methods only):** 19.15.17.10 NMAC

**Instructions:** Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 50 feet below the bottom of the buried waste.

- NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from nearby wells

☐ Yes ☒ No

☐ NA

Ground water is between 50 and 100 feet below the bottom of the buried waste

- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☒ Yes ☐ No

☐ NA

Ground water is more than 100 feet below the bottom of the buried waste

- NM Office of the State Engineer - iWATERS database search; USGS, Data obtained from nearby wells

☐ Yes ☒ No

☐ NA

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☒ No

Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site, Aerial photo, Satellite image

☐ Yes ☒ No

Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application

- NM Office of the State Engineer - iWATERS database, Visual inspection (certification) of the proposed site

☐ Yes ☒ No

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

- Written confirmation or verification from the municipality; Written approval obtained from the municipality

☐ Yes ☒ No

Within 500 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☒ No

Within the area overlying a subsurface mine

- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

☐ Yes ☒ No

Within an unstable area

- Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

☐ Yes ☒ No

Within a 100-year floodplain.

- FEMA map

☐ Yes ☒ No

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

☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☒ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC

☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC

☒ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC

☒ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC

☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC

☒ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC

☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)

☒ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

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

19

**Operator Application Certification:**

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

Name (Print). Michael K Lane Title Sr EH & S Specialist

Signature. \_\_\_\_\_ Date \_\_\_\_\_

e-mail address. myke.lane@williams.com Telephone: 505-634-4219

20.

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

OCD Representative Signature: [Signature] Approval Date: 6/08/2012

Title: Deputy Oil & Gas Inspector,  
District #3 OCD Permit Number: \_\_\_\_\_

21.

**Closure Report (required within 60 days of closure completion):** Subsection K of 19 15 17 13 NMAC

*Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.*

☒ Closure Completion Date: 4-26-09

22.

**Closure Method:**

☐ Waste Excavation and Removal ☒ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)  
☐ If different from approved plan, please explain.

23.

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

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

Disposal Facility Name \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Disposal Facility Name \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

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

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

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

- ☐ Site Reclamation (Photo Documentation)  
☐ Soil Backfilling and Cover Installation  
☐ Re-vegetation Application Rates and Seeding Technique

24.

**Closure Report Attachment Checklist:** *Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.*

- ☒ Proof of Closure Notice (surface owner and division)  
☒ Proof of Deed Notice (required for on-site closure)  
☒ Plot Plan (for on-site closures and temporary pits)  
☒ Confirmation Sampling Analytical Results (if applicable)  
☒ Waste Material Sampling Analytical Results (required for on-site closure)  
☒ Disposal Facility Name and Permit Number  
☒ Soil Backfilling and Cover Installation  
☒ Re-vegetation Application Rates and Seeding Technique  
☒ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude 36° 31' 32.04147" N Longitude -107° 08' 33.14624" W NAD: ☐ 1927 ☐ 1983

25.

**Operator Closure Certification:**

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print). Michael K Lane Title: Sr. EH & S Specialist

Signature [Signature] Date: 5/26/09

e-mail address: myke.lane@williams.com Telephone: 505-634-4219

## CLOSURE REPORT ATTACHMENTS

- 1 Date & How free standing liquids removed in following manner: 4/20/2009  
Majority of liquids removed by vacuum truck and hauled to Basin Disposal, Permit # NM 01-0005
- 3 Return receipt sent & received from surface owner: Copy Attached
- 4 Rig off location on following date: 04/16/2009 (Completion)  
Pit covered on following date: 4/26/2009  
Reseeding started/scheduled for following date: Spring 2009
- 6 Pit liner removed on following date: 4/20/2009  
Pit liner removed by following company: Adobe Construction  
Pit liner removed in following manner: Cut liner above mud level by manually  
and/or mechanically cutting liner. Removed all anchored material.  
Facility where Pit liner disposed: S.J. Regional Landfill, NMED Permit SWM-052426
- 7 Solidification process accomplished in following manner: Adobe construction  
used combination of natural drying & mechanical mixing. Pit contents were mixed with  
non-waste, earthen material to a consistency that is safe & stable. The mixing ratio has  
not exceeded 3 parts non-waste to 1 part pit contents.
- 8 Five point composite sample provided: Collected by Abode for analysis at Envirotech
- 9 Testing of earth by following company: Envirotech, Inc.  
Material & method used for solidification, non-waste earthen material:  
Grading & backfilling area with approximately 4' of soils and earthen materials recovered during  
site construction, to one foot consisting of salvaged topsoil.
- 10 Re-contouring to match surrounding geography done in following manner (using BMP's):  
Reestablish drainage and contours to approximately match previous topography meeting  
Conditions of Approval in APD and as specified by Surface Management Agency Inspectors.
- 11 Sundry (C103) to NMOCD when area 1st seeded. Pending  
Seed Mix Used: Seed mix specified in Condition of Approval
- 12 Date pit was covered: 4/26/2009

## CLOSURE REPORT ATTACHMENTS

Date 1st seeding took place: Spring following covering of pit

Date 2nd seeding took place: Spring following covering of pit

Date 70% coverage of native perennial vegetation accomplished: To be Determined

Date C103 submitted to NMOCD (stating To be Determined  
2 successive vegetative seasons accomplished)

**13** Company setting steel marker on site: Adobe Construction

Date marker set: Pending

Type cmt & depth of cmt to place marker: 2 sx Pre-mixed concrete @ 4' depth

Type of marker used: (check one) 

|               |              |          |
|---------------|--------------|----------|
| <b>X Post</b> | <b>Plate</b> | <b>X</b> |
|---------------|--------------|----------|

Pertinent information on marker (operator, lease, well name/#, S-T-R-UL):

### Per Operated Well Information

Does marker state it is an onsite pit burial location? Yes once installed

**Note: Steel markers not required when closure by waste excavation & removal**

### **Attached information (IF Release Occurred):**

**\*\*** Sample results from Form C141 (Release Notification & Corrective Action) Attached

Date & time release occurred: NA

**\*\*** C105 (Completion Rpt) w/Applicable Pit Information Attached





STATE OF NEW MEXICO:

COUNTY OF RIO ARRIBA:

**RECORDATION NOTICE OF PIT BURIAL**

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

|                          |                          |
|--------------------------|--------------------------|
| Well Name:               | <u>JICARILLA 93 #015</u> |
| Latitude (DDD MM.MMM'):  | <u>36.313204</u>         |
| Longitude (DDD MM.MMM'): | <u>107.08331</u>         |
| Unit Letter (1/4, 1/4):  | <u>P</u>                 |
| Section:                 | <u>33</u>                |
| Township:                | <u>T27N</u>              |
| Range:                   | <u>R03W</u>              |
| County:                  | <u>RIO ARRIBA</u>        |
| State:                   | <u>NEW MEXICO</u>        |

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

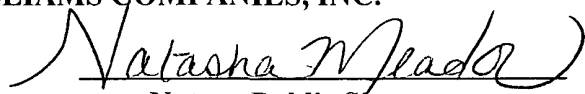
WILLIAMS COMPANIES, INC.

  
Michael K. Lane EH&S Specialist

5/21/09  
Date

STATE OF NEW MEXICO  
COUNTY OF SAN JUAN

This document was acknowledged before me on this 21 day of May 2009  
by Michael K Lane, EH&S Specialist of WILLIAMS COMPANIES, INC.

  
Notary Public Signature

My Commission Expires  
11/30/2011

NATASHA MEADOR  
Notary Name Printed

Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

|                                 |                     |
|---------------------------------|---------------------|
| Facility Name: JICARILL 93 # 15 | API #: 30-039-29810 |
|---------------------------------|---------------------|

|  |  |
|--|--|
| Pit Type: <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Workover <input type="checkbox"/> Cavitation | Inspection: <input checked="" type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly |
|--|--|

|   |  |                       |
|---|--|-----------------------|
| Pit Liner intact (no visible tears)                                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Report to EH&S immediately                            | Date / Time Reported: |
| Pit Properly Fenced (no fence on rig side if on site)                     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |                       |
| Pit Slopes intact   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                       |
| Adequate freeboard<br>(liquid level 2 <u>vertical</u> feet from berm top) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Free oil or sheen present on pit  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |                       |
| Flare Pit free of liquids   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Comments:   |  |                       |
|   |  |                       |
| Inspector Signature: W.MOCK   |  |                       |
| Printed Name: W.MOCK  |  |                       |
| Title: DRILLING CONSULTANT (T.D.C.I.)                                     |  |                       |
| Date: 12/13/2008 Phone: (505) 7930528                                     |  |                       |

Record Retention: Submit with Closure  
File: EH&S

Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

Facility Name: JICARILL 93 # 15

API #: 30-039-29810

Pit Type: ☒ Drilling ☐ Workover ☐ Cavitation Inspection: ☒ Daily ☐ Weekly ☐ Monthly

|   |  |                       |
|---|--|-----------------------|
| Pit Liner intact (no visible tears)                                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Report to EH&S immediately                            | Date / Time Reported: |
| Pit Properly Fenced (no fence on rig side if on site)                     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |                       |
| Pit Slopes intact   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                       |
| Adequate freeboard<br>(liquid level 2 <u>vertical</u> feet from berm top) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Free oil or sheen present on pit  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |                       |
| Flare Pit free of liquids   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Comments:   |  |                       |
| Inspector Signature: W.MOCK   |  |                       |
| Printed Name: W.MOCK  |  |                       |
| Title: DRILLING CONSULTANT (T.D.C.I.)                                     |  |                       |
| Date: 12/14/2008 Phone: (505) 7930528                                     |  |                       |

Record Retention: Submit with Closure  
File: EH&S

Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

|                                 |                     |
|---------------------------------|---------------------|
| Facility Name: JICARILL 93 # 15 | API #: 30-039-29810 |
|---------------------------------|---------------------|

|  |  |
|--|--|
| Pit Type: <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Workover <input type="checkbox"/> Cavitation | Inspection: <input checked="" type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly |
|--|--|

|   |  |                       |
|---|--|-----------------------|
| Pit Liner intact (no visible tears)                                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Report to EH&S immediately                            | Date / Time Reported: |
| Pit Properly Fenced (no fence on rig side if on site)                     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |                       |
| Pit Slopes intact   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                       |
| Adequate freeboard<br>(liquid level 2 <u>vertical</u> feet from berm top) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Free oil or sheen present on pit  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |                       |
| Flare Pit free of liquids   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Comments:   |  |                       |
| Inspector Signature: W.MOCK   |  |                       |
| Printed Name: W.MOCK  |  |                       |
| Title: DRILLING CONSULTANT (T.D.C.I.)                                     |  |                       |
| Date: 12/15/2008 Phone: (505) 7930528                                     |  |                       |

Record Retention: Submit with Closure  
File: EH&S

Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

|                                 |                     |
|---------------------------------|---------------------|
| Facility Name: JICARILL 93 # 15 | API #: 30-039-29810 |
|---------------------------------|---------------------|

|  |  |
|--|--|
| Pit Type: <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Workover <input type="checkbox"/> Cavitation | Inspection: <input checked="" type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly |
|--|--|

|   |  |                       |
|---|--|-----------------------|
| Pit Liner intact (no visible tears)                                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No,<br>Report to EH&S immediately                         | Date / Time Reported: |
| Pit Properly Fenced (no fence on rig side if on site)                     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |                       |
| Pit Slopes intact   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                       |
| Adequate freeboard<br>(liquid level 2 <u>vertical</u> feet from berm top) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
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| Flare Pit free of liquids   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Comments:   |  |                       |
|   |  |                       |
| Inspector Signature: W.MOCK   |  |                       |
| Printed Name: W.MOCK  |  |                       |
| Title: DRILLING CONSULTANT (T.D.C.I.)                                     |  |                       |
| Date: 12/16/2008 Phone: (505) 7930528                                     |  |                       |

Record Retention: Submit with Closure  
File: EH&S

Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

|                                 |                     |
|---------------------------------|---------------------|
| Facility Name: JICARILL 93 # 15 | API #: 30-039-29810 |
|---------------------------------|---------------------|

|  |  |
|--|--|
| Pit Type: <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Workover <input type="checkbox"/> Cavitation | Inspection: <input checked="" type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly |
|--|--|

|   |  |                       |
|---|--|-----------------------|
| Pit Liner intact (no visible tears)                                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Report to EH&S immediately                            | Date / Time Reported: |
| Pit Properly Fenced (no fence on rig side if on site)                     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |                       |
| Pit Slopes intact   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                       |
| Adequate freeboard<br>(liquid level 2 <u>vertical</u> feet from berm top) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Free oil or sheen present on pit  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |                       |
| Flare Pit free of liquids   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Comments:   |  |                       |
|   |  |                       |
| Inspector Signature: W.MOCK   |  |                       |
| Printed Name: W.MOCK  |  |                       |
| Title: DRILLING CONSULTANT (T.D.C.I.)                                     |  |                       |
| Date: 12/17/2008 Phone: (505) 7930528                                     |  |                       |

Record Retention: Submit with Closure  
File: EH&S

Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

|                                 |                     |
|---------------------------------|---------------------|
| Facility Name: JICARILL 93 # 15 | API #: 30-039-29810 |
|---------------------------------|---------------------|

|  |  |
|--|--|
| Pit Type: <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Workover <input type="checkbox"/> Cavitation | Inspection: <input checked="" type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly |
|--|--|

|   |  |                       |
|---|--|-----------------------|
| Pit Liner intact (no visible tears)                                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Report to EH&S immediately                            | Date / Time Reported: |
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| Pit Slopes intact   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                       |
| Adequate freeboard<br>(liquid level 2 <u>vertical</u> feet from berm top) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Free oil or sheen present on pit  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |                       |
| Flare Pit free of liquids   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Comments:   |  |                       |
| Inspector Signature: W.MOCK   |  |                       |
| Printed Name: W.MOCK  |  |                       |
| Title: DRILLING CONSULTANT (T.D.C.I.)                                     |  |                       |
| Date: 12/18/2008 Phone: (505) 7930528                                     |  |                       |

Record Retention: Submit with Closure  
File: EH&S

Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

|                                 |                     |
|---------------------------------|---------------------|
| Facility Name: JICARILL 93 # 15 | API #: 30-039-29810 |
|---------------------------------|---------------------|

|  |  |
|--|--|
| Pit Type: <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Workover <input type="checkbox"/> Cavitation | Inspection: <input checked="" type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly |
|--|--|

|   |  |                       |
|---|--|-----------------------|
| Pit Liner intact (no visible tears)                                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Report to EH&S immediately                            | Date / Time Reported: |
| Pit Properly Fenced (no fence on rig side if on site)                     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |                       |
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| Adequate freeboard<br>(liquid level 2 <u>vertical</u> feet from berm top) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Free oil or sheen present on pit  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |                       |
| Flare Pit free of liquids   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Comments:   |  |                       |
| Inspector Signature: W.MOCK   |  |                       |
| Printed Name: W.MOCK  |  |                       |
| Title: DRILLING CONSULTANT (T.D.C.I.)                                     |  |                       |
| Date: 12/19/2008 Phone: (505) 7930528                                     |  |                       |

Record Retention: Submit with Closure  
File: EH&S



Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

|                                 |                     |
|---------------------------------|---------------------|
| Facility Name: JICARILL 93 # 15 | API #: 30-039-29810 |
|---------------------------------|---------------------|

|  |  |
|--|--|
| Pit Type: <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Workover <input type="checkbox"/> Cavitation | Inspection: <input checked="" type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly |
|--|--|

|   |  |                       |
|---|--|-----------------------|
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| Pit Properly Fenced (no fence on rig side if on site)                     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |                       |
| Pit Slopes intact   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                       |
| Adequate freeboard<br>(liquid level 2 <u>vertical</u> feet from berm top) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Free oil or sheen present on pit  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |                       |
| Flare Pit free of liquids   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Comments:   |  |                       |
|   |  |                       |
| Inspector Signature: W.MOCK   |  |                       |
| Printed Name: W.MOCK  |  |                       |
| Title: DRILLING CONSULTANT (T.D.C.I.)                                     |  |                       |
| Date: 12/20/2008 Phone: (505) 7930528                                     |  |                       |

Record Retention: Submit with Closure  
File: EH&S

Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

|                                 |                     |
|---------------------------------|---------------------|
| Facility Name: JICARILL 93 # 15 | API #: 30-039-29810 |
|---------------------------------|---------------------|

|  |  |
|--|--|
| Pit Type: <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Workover <input type="checkbox"/> Cavitation | Inspection: <input checked="" type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly |
|--|--|

|   |  |                       |
|---|--|-----------------------|
| Pit Liner intact (no visible tears)                                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Report to EH&S immediately                            | Date / Time Reported: |
| Pit Properly Fenced (no fence on rig side if on site)                     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |                       |
| Pit Slopes intact   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                       |
| Adequate freeboard<br>(liquid level 2 <u>vertical</u> feet from berm top) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Free oil or sheen present on pit  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |                       |
| Flare Pit free of liquids   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Comments:   |  |                       |
| Inspector Signature: W.MOCK   |  |                       |
| Printed Name: W.MOCK  |  |                       |
| Title: DRILLING CONSULTANT (T.D.C.I.)                                     |  |                       |
| Date: 12/21/2008 Phone: (505) 7930528                                     |  |                       |

Record Retention: Submit with Closure  
File EH&S

Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

|                                 |                     |
|---------------------------------|---------------------|
| Facility Name: JICARILL 93 # 15 | API #: 30-039-29810 |
|---------------------------------|---------------------|

|  |  |
|--|--|
| Pit Type: <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Workover <input type="checkbox"/> Cavitation | Inspection: <input checked="" type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly |
|--|--|

|   |  |                       |
|---|--|-----------------------|
| Pit Liner intact (no visible tears)                                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Report to EH&S immediately                            | Date / Time Reported: |
| Pit Properly Fenced (no fence on rig side if on site)                     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |                       |
| Pit Slopes intact   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                       |
| Adequate freeboard<br>(liquid level 2 <u>vertical</u> feet from berm top) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Free oil or sheen present on pit  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |                       |
| Flare Pit free of liquids   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Comments:   |  |                       |
|   |  |                       |
| Inspector Signature: W.MOCK   |  |                       |
| Printed Name: W.MOCK  |  |                       |
| Title: DRILLING CONSULTANT (T.D.C.I.)                                     |  |                       |
| Date: 12/22/2008 Phone: (505) 7930528                                     |  |                       |

Record Retention: Submit with Closure  
File. EH&S

Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

|                                 |                     |
|---------------------------------|---------------------|
| Facility Name: JICARILL 93 # 15 | API #: 30-039-29810 |
|---------------------------------|---------------------|

|  |  |
|--|--|
| Pit Type: <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Workover <input type="checkbox"/> Cavitation | Inspection: <input checked="" type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly |
|--|--|

|   |  |                       |
|---|--|-----------------------|
| Pit Liner intact (no visible tears)                                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No,<br>Report to EH&S immediately                         | Date / Time Reported: |
| Pit Properly Fenced (no fence on rig side if on site)                     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |                       |
| Pit Slopes intact   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                       |
| Adequate freeboard<br>(liquid level 2 <u>vertical</u> feet from berm top) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Free oil or sheen present on pit  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |                       |
| Flare Pit free of liquids   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                       |
| Comments:   |  |                       |
| Inspector Signature: W.MOCK   |  |                       |
| Printed Name: W.MOCK  |  |                       |
| Title: DRILLING CONSULTANT (T.D.C.I.)                                     |  |                       |
| Date: 12/23/2008 Phone: (505) 7930528                                     |  |                       |

Record Retention Submit with Closure  
File. EH&S

Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

Facility Name: 93-15

API #: 30-039-29801

93-12-A

Pit Type: ☐ Drilling ☐ Workover ☐ Cavitation Inspection: ☐ Daily (Rig) ☒ Weekly (Tech)

|                                  |  |                         |
|----------------------------------|--|-------------------------|
| Pit Liner intact                 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Report to EH&S immediately                            | Date / Time Re 12/30/08 |
| Pit Properly Fenced              | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |                         |
| Pit Slopes intact                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                         |
| Adequate freeboard               | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                         |
| Free oil or sheen present on pit | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                         |
| Flare Pit free of liquids        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                         |
| Comments:                        |  |                         |
| Inspector Signature: Art Alsup   |  |                         |
| Printed Name: Art Alsup          |  |                         |
| Title: Tech I                    |  |                         |
| Date: 12/30/200 Phone:           |  |                         |

Record Retention: Submit with Closure  
File: EH&S Well Files

Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

Facility Name: 93-15

API #: 30-039-29801

93-12-A

Pit Type: ☐ Drilling ☐ Workover ☐ Cavitation Inspection: ☐ Daily (Rig) ☒ Weekly (Tech)

|                                     |   |                           |
|-------------------------------------|---|---------------------------|
| Pit Liner intact                    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If<br>No, Report to EH&S<br>immediately                         | Date / Time Re<br>1/06/09 |
| Pit Properly Fenced                 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully<br>fenced) |                           |
| Pit Slopes intact                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   |                           |
| Adequate freeboard                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                         |                           |
| Free oil or sheen present on pit    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   |                           |
| Flare Pit free of liquids           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                         |                           |
| Comments:                           |   |                           |
| Inspector Signature: Tommy Clements |   |                           |
| Printed Name: Tommy Clements        |   |                           |
| Title: Tech I                       |   |                           |
| Date: 01/06/09 Phone:               |   |                           |

Record Retention. Submit with Closure  
File: EH&S Well Files

Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

Facility Name: 93-15

API #: 30-039-29801

93-12-A

Pit Type: ☐ Drilling ☐ Workover ☐ Cavitation Inspection: ☐ Daily (Rig) ☒ Weekly (Tech)

|                                     |   |                           |
|-------------------------------------|---|---------------------------|
| Pit Liner intact                    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If<br>No, Report to EH&S<br>immediately                         | Date / Time Re<br>1/15/09 |
| Pit Properly Fenced                 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully<br>fenced) |                           |
| Pit Slopes intact                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   |                           |
| Adequate freeboard                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                         |                           |
| Free oil or sheen present on pit    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   |                           |
| Flare Pit free of liquids           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                         |                           |
| Comments:                           |   |                           |
| Inspector Signature: Tommy Clements |   |                           |
| Printed Name: Tommy Clements        |   |                           |
| Title: Tech I                       |   |                           |
| Date: 01/15/09 Phone:               |   |                           |

Record Retention Submit with Closure  
File: EH&S Well Files

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720 So. Main / PO Box 640  
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## Temporary Pit Inspection

### FACILITY INFORMATION

Facility Name: 93-15

API #: 30-039-29801

93-12-A

Pit Type: ☐ Drilling ☐ Workover ☐ Cavitation Inspection: ☐ Daily (Rig) ☒ Weekly (Tech)

|                                     |   |                           |
|-------------------------------------|---|---------------------------|
| Pit Liner intact                    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If<br>No, Report to EH&S<br>immediately                         | Date / Time Re<br>1/21/09 |
| Pit Properly Fenced                 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully<br>fenced) |                           |
| Pit Slopes intact                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   |                           |
| Adequate freeboard                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                         |                           |
| Free oil or sheen present on pit    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   |                           |
| Flare Pit free of liquids           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                         |                           |
| Comments:                           |   |                           |
| Inspector Signature: Tommy Clements |   |                           |
| Printed Name: Tommy Clements        |   |                           |
| Title: Tech I                       |   |                           |
| Date: 01/21/09 Phone:               |   |                           |

Record Retention Submit with Closure  
File: EH&S Well Files



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## Temporary Pit Inspection

### FACILITY INFORMATION

Facility Name: 93-15

API #: 30-039-29801

93-12-A

Pit Type: ☐ Drilling ☐ Workover ☐ Cavitation Inspection: ☐ Daily (Rig) ☒ Weekly (Tech)

|                                     |  |                        |
|-------------------------------------|--|------------------------|
| Pit Liner intact                    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Report to EH&S immediately                            | Date / Time Re 1/21/09 |
| Pit Properly Fenced                 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |                        |
| Pit Slopes intact                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                        |
| Adequate freeboard                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                        |
| Free oil or sheen present on pit    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                        |
| Flare Pit free of liquids           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                        |
| Comments:                           |  |                        |
| Inspector Signature: Tommy Clements |  |                        |
| Printed Name: Tommy Clements        |  |                        |
| Title: Tech I                       |  |                        |
| Date: 01/21/09 Phone:               |  |                        |

Record Retention: Submit with Closure  
File: EH&S Well Files

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San Juan Basin Operations  
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Aztec, NM 87410  
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## Temporary Pit Inspection

### FACILITY INFORMATION

Facility Name: 93-15

API #: 30-039-29801

93-12-A

Pit Type: ☐ Drilling ☐ Workover ☐ Cavitation Inspection: ☐ Daily (Rig) ☒ Weekly (Tech)

|                                     |  |                           |
|-------------------------------------|--|---------------------------|
| Pit Liner intact                    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Report to EH&S immediately                            | Date / Time Re<br>2/13/09 |
| Pit Properly Fenced                 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |                           |
| Pit Slopes intact                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                           |
| Adequate freeboard                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                           |
| Free oil or sheen present on pit    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                           |
| Flare Pit free of liquids           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                           |
| Comments:                           |  |                           |
| Inspector Signature: Tommy Clements |  |                           |
| Printed Name: Tommy Clements        |  |                           |
| Title: Tech I                       |  |                           |
| Date: 02/13/09 Phone:               |  |                           |

Record Retention: Submit with Closure  
File EH&S Well Files

Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

Facility Name: 93-15

API #: 30-039-29801

93-12-A

Pit Type: ☒ Drilling ☐ Workover ☐ Cavitation Inspection: ☐ Daily (Rig) ☒ Weekly (Tech)

|                                       |  |                               |
|---------------------------------------|--|-------------------------------|
| Pit Liner intact                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Report to EH&S immediately                            | Date / Time Re12-2<br>2/16/09 |
| Pit Properly Fenced                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |                               |
| Pit Slopes intact                     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                               |
| Adequate freeboard                    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                               |
| Free oil or sheen present on pit      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                               |
| Flare Pit free of liquids             | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                               |
| Comments:<br>Pit has drilling liquids |  |                               |
| Inspector Signature: Tommy Clements   |  |                               |
| Printed Name: Tommy Clements          |  |                               |
| Title: Tech I                         |  |                               |
| Date: 2/16/2009 Phone:                |  |                               |

Record Retention: Submit with Closure  
File. EH&S Well Files

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San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
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## Temporary Pit Inspection

### FACILITY INFORMATION

Facility Name: 93-15

API #: 30-039-29801

93-12-A

Pit Type: ☒ Drilling ☐ Workover ☐ Cavitation Inspection: ☐ Daily (Rig) ☒ Weekly (Tech)

|                                     |  |                        |
|-------------------------------------|--|------------------------|
| Pit Liner intact                    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Report to EH&S immediately                            | Date / Time Re 2/26/09 |
| Pit Properly Fenced                 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |                        |
| Pit Slopes intact                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                        |
| Adequate freeboard                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                        |
| Free oil or sheen present on pit    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                        |
| Flare Pit free of liquids           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                        |
| Comments:                           |  |                        |
| Inspector Signature: Tommy Clements |  |                        |
| Printed Name: Tommy Clements        |  |                        |
| Title: Tech I                       |  |                        |
| Date: 2/26/2009 Phone:              |  |                        |

Record Retention Submit with Closure  
File: EH&S Well Files

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720 So. Main / PO Box 640  
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**Temporary Pit Inspection**  
**FACILITY INFORMATION**

Facility Name: 93-15

API #: 30-039-29801

93-12-A

Pit Type: ☒ Drilling ☐ Workover ☐ Cavitation Inspection: ☐ Daily (Rig) ☒ Weekly (Tech)

|                                  |   |                           |
|----------------------------------|---|---------------------------|
| Pit Liner intact                 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If<br>No, Report to EH&S<br>immediately                         | Date / Time Re<br>3/04/09 |
| Pit Properly Fenced              | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully<br>fenced) |                           |
| Pit Slopes intact                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   |                           |
| Adequate freeboard               | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                         |                           |
| Free oil or sheen present on pit | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   |                           |
| Flare Pit free of liquids        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                         |                           |
| Comments:                        |   |                           |
| Inspector Signature: Art Alsup   |   |                           |
| Printed Name: Art Alsup          |   |                           |
| Title: Tech I                    |   |                           |
| Date: 3/04/2009 Phone:           |   |                           |

Record Retention: Submit with Closure  
File: EH&S Well Files

Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



**Temporary Pit Inspection**  
**FACILITY INFORMATION**

**Facility Name: 93-15**

**API #: 30-039-29801**

93-12-A

**Pit Type:** ☒ Drilling ☐ Workover ☐ Cavitation **Inspection:** ☐ Daily (Rig) ☒ Weekly (Tech)

|                                  |  |                           |
|----------------------------------|--|---------------------------|
| Pit Liner intact                 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Report to EH&S immediately                            | Date / Time Re<br>3/11/09 |
| Pit Properly Fenced              | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |                           |
| Pit Slopes intact                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                           |
| Adequate freeboard               | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                           |
| Free oil or sheen present on pit | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                           |
| Flare Pit free of liquids        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                           |
| Comments:                        |  |                           |
| Inspector Signature: Art Alsup   |  |                           |
| Printed Name: Art Alsup          |  |                           |
| Title: Tech I                    |  |                           |
| Date: 3/11/2009 Phone:           |  |                           |

Record Retention: Submit with Closure  
File: EH&S Well Files

Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

Facility Name: 93-15

API #: 30-039-29801

93-12-A

Pit Type: ☐ Drilling ☐ Workover ☐ Cavitation Inspection: ☐ Daily (Rig) ☒ Weekly (Tech)

|                                  |  |                        |
|----------------------------------|--|------------------------|
| Pit Liner intact                 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Report to EH&S immediately                            | Date / Time Re 3/18/09 |
| Pit Properly Fenced              | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |                        |
| Pit Slopes intact                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                        |
| Adequate freeboard               | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                        |
| Free oil or sheen present on pit | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                        |
| Flare Pit free of liquids        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                        |
| Comments:                        |  |                        |
| Inspector Signature: Art Alsup   |  |                        |
| Printed Name: Art Alsup          |  |                        |
| Title: Tech I                    |  |                        |
| Date: 3/18/2009 Phone:           |  |                        |

Record Retention: Submit with Closure  
File: EH&S Well Files

Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

Facility Name: 93-15

API #: 30-039-29801

93-12-A

Pit Type: ☐ Drilling ☐ Workover ☐ Cavitation Inspection: ☐ Daily (Rig) ☒ Weekly (Tech)

|                                  |  |                           |
|----------------------------------|--|---------------------------|
| Pit Liner intact                 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Report to EH&S immediately                            | Date / Time Re<br>3/28/09 |
| Pit Properly Fenced              | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |                           |
| Pit Slopes intact                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                           |
| Adequate freeboard               | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                           |
| Free oil or sheen present on pit | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |                           |
| Flare Pit free of liquids        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |                           |
| Comments:                        |  |                           |
| Inspector Signature: Art Alsup   |  |                           |
| Printed Name: Art Alsup          |  |                           |
| Title: Tech I                    |  |                           |
| Date: 3/28/2009 Phone:           |  |                           |

Record Retention: Submit with Closure  
File: EH&S Well Files



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San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

|                                |                     |
|--------------------------------|---------------------|
| Facility Name: Jicarilla 93#15 | API #: 30-039-29810 |
|                                |                     |

|  |  |
|--|--|
| Pit Type: <input type="checkbox"/> Drilling <input type="checkbox"/> Workover <input checked="" type="checkbox"/> Completion | Inspection: <input checked="" type="checkbox"/> Daily (Rig) <input type="checkbox"/> Weekly (Tech) |
|--|--|

|  |   |  |
|--|---|--|
| Pit Liner intact (no visible tears)                                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Report to EH&S immediately | Date / 4/10/09<br>Time Reported: 16:00 |
| Pit Properly Fenced (no fence on rig side if on site)              | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                   | Not Required (if site fully fenced)    |
| Pit Slopes intact  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                   |  |
| Adequate freeboard<br>(liquid level 2 vertical feet from berm top) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                   | Not Applicable                         |
| Free oil or sheen present on pit                                   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                   |  |
| Flare Pit free of liquids  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                   | Not Applicable                         |
| Comments:  |   |  |
| Inspector Signature:   |   |  |
| Printed Name: Craig Ward   |   |  |
| Title: consultant  |   |  |
| Date: 4/10/09 Phone: 505-793-3099                                  |   |  |

Record Retention: Submit with Closure  
File. EH&S Well Files

Exploration & Production  
San Juan Basin Operations  
720 So. Main / PO Box 640  
Aztec, NM 87410  
505-634-4200 / 505-634-4205 fax



## Temporary Pit Inspection

### FACILITY INFORMATION

|                                |                     |
|--------------------------------|---------------------|
| Facility Name: Jicarilla 93#15 | API #: 30-039-29810 |
|                                |                     |

|  |  |
|--|--|
| Pit Type: <input type="checkbox"/> Drilling <input type="checkbox"/> Workover <input checked="" type="checkbox"/> Completion | Inspection: <input checked="" type="checkbox"/> Daily (Rig) <input type="checkbox"/> Weekly (Tech) |
|--|--|

|   |  |  |
|---|--|--|
| Pit Liner intact (no visible tears)   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No,<br>Report to EH&S immediately | Date / 4/13/09<br>Time Reported: 08:30 |
| Pit Properly Fenced (no fence on rig side if on site)   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                      | Not Required (if site fully fenced)    |
| Pit Slopes intact   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                      |  |
| Adequate freeboard<br>(liquid level 2 vertical feet from berm top)  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                      | Not Applicable                         |
| Free oil or sheen present on pit  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                      |  |
| Flare Pit free of liquids   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                      | Not Applicable                         |
| Comments: there is oil on pit, aerosol cans in pit, we will get trash out of pit as soon as it gets over to the edge where we can reach it, we have 4' of freeboard |  |  |
| Inspector Signature: _____  |  |  |
| Printed Name: Craig Ward  |  |  |
| Title: consultant   |  |  |
| Date: 4/13/09 Phone: 505-793-3099   |  |  |

Record Retention: Submit with Closure  
File: EH&S Well Files

The logo for William's, featuring the brand name in a bold, italicized serif font, with a stylized swoosh graphic above and below the text.

Exploration & Production  
San Juan Basin Operations  
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Aztec, NM 87410  
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### Temporary Pit Inspection

#### FACILITY INFORMATION

|                                |                     |
|--------------------------------|---------------------|
| Facility Name: Jicarilla 93#15 | API #: 30-039-29810 |
|                                |                     |

|  |  |
|--|--|
| Pit Type: <input type="checkbox"/> Drilling <input type="checkbox"/> Workover <input checked="" type="checkbox"/> Completion | Inspection: <input checked="" type="checkbox"/> Daily (Rig) <input type="checkbox"/> Weekly (Tech) |
|--|--|

|   |  |  |
|---|--|--|
| Pit Liner intact (no visible tears)   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Report to EH&S immediately                            | Date / 4/15/09<br>Time Reported: 09:30 |
| Pit Properly Fenced (no fence on rig side if on site)   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required (if site fully fenced) |  |
| Pit Slopes intact   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |  |
| Adequate freeboard<br>(liquid level 2 <u>vertical</u> feet from berm top)   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |  |
| Free oil or sheen present on pit  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |  |
| Flare Pit free of liquids   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable                      |  |
| Comments: there is oil on pit, aerosol cans in pit, we will get trash out of pit as soon as it gets over to the edge where we can reach it, we have 4' of freeboard |  |  |
|   |  |  |
| Inspector Signature: _____  |  |  |
| Printed Name: Craig Ward  |  |  |
| Title: consultant   |  |  |
| Date: 4/15/09 Phone: 505-793-3099   |  |  |

Record Retention: Submit with Closure  
File: EH&S Well Files

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN  
DUPLICATE

(See other instructions on  
reverse side)

FORM APPROVED  
OMB NO 1004-0137  
Expires February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

|  |  |  |  |   |  |  |                        |
|--|--|--|--|---|--|--|------------------------|
| 1a TYPE OF WELL <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER   |  |  |  |   |  | 5 LEASE DESIGNATION AND LEASE NO<br>Jicarilla contract #93           |                        |
| b TYPE OF COMPLETION<br><input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/> OTHER |  |  |  |   |  | 6 IF INDIAN, ALLOTTEE OR<br>Jicarilla Apache Nation                  |                        |
| 2 NAME OF OPERATOR<br>WILLIAMS PRODUCTION COMPANY  |  |  |  |   |  | 7 UNIT AGREEMENT NAME  |                        |
| 3 ADDRESS AND TELEPHONE NO<br>P O Box 640, Aztec, NM 87410 (505) 634-4208  |  |  |  |   |  | 8 FARM OR LEASE NAME, WELL NO<br>Jicarilla "93" #15                  |                        |
| 4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At Surface 1055' FSL & 280' FEL, Sec 33 (P), T27N, R3W<br>At top production interval reported below Same<br>At total depth Same NSL-5963      |  |  |  |   |  | 9 API WELL NO<br>30-039-29810  |                        |
|  |  |  |  |   |  | 10 FIELD AND POOL, OR WILDCAT<br>Blanco Mesa Verde                   |                        |
|  |  |  |  |   |  | 11 SEC, T, R, M, OR BLOCK AND<br>SURVEY OR AREA<br>Sec 33, T27N, R3W |                        |
|  |  |  |  |   |  | 12 COUNTY OR<br>Rio Arriba   | 13 STATE<br>New Mexico |
| 14 PERMIT NO   |  | DATE ISSUED  |  | 19 ELEVATION CASINGHEAD                         |  |  |                        |
| 15 DATE<br>SPUDDED<br>12-13-08   |  | 16 DATE T D<br>REACHED<br>12-23-08                                   |  | 17 DATE COMPLETED (READY TO PRODUCE)<br>1-25-09 |  | 18 ELEVATIONS (DK, RKB, RT, GR, ETC)*<br>7124' GR                    |                        |
| 20 TOTAL DEPTH, MD & TVD<br>6443' MD   |  | 21 PLUG, BACK T D, MD & TVD<br>6356' MD                              |  | 22 IF MULTICOMP, HOW MANY                       |  | 23 INTERVALS<br>DRILLED BY   |                        |
| 24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*<br>Blanco Mesa Verde 5626' - 6272'  |  |  |  |   |  | 25 WAS DIRECTIONAL SURVEY MADE<br>YES                                |                        |
| 26 TYPE ELECTRIC AND OTHER LOGS RUN<br>Array Induction, Gamma Ray-Density-Neutron, Compensated Dual Neutron  |  |  |  |   |  | 27 WAS WELL CORED<br>NO  |                        |
| 28 CASING REPORT (Report all strings set in well)  |  |  |  |   |  |  |                        |
| CASING SIZE/GRADE  |  | WEIGHT, LB /FT   |  | DEPTH SET (MD)                                  |  | HOLE SIZE  |                        |
| 9-5/8", K-55   |  | 36 0#  |  | 334'  |  | 12-1/4"  |                        |
| 7", K-55   |  | 23 0#  |  | 4197'   |  | 8-3/4"   |                        |
|  |  |  |  |   |  |  |                        |
| 29 LINER RECORD  |  |  |  | 30 TUBING RECORD                                |  |  |                        |
| SIZE   |  | TOP (MD)   |  | BOTTOM (MD)                                     |  | SACKS CEMENT*  |                        |
| 4-1/2", K-55,<br>11 6#   |  | 4033'  |  | 6427'   |  | 165 SX -<br>4150(CBL)  |                        |
| 31 PERFORATION RECORD (Interval, size, and number)   |  |  |  | 32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC    |  |  |                        |
|  |  |  |  | DEPTH INTERVAL (MD)                             |  | AMOUNT AND KIND OF MATERIAL USED                                     |                        |
| CH/MEN 5626' - 5940', Total of 50, 0 38" holes   |  |  |  | 5626' - 5940'<br>CH/MEN                         |  | Fraced with 9850# 14/30 LiteProp 125 followed with 3220# brown sand  |                        |
| PLO 5996' - 6272', Total of 48, 0 38" holes  |  |  |  | 5996' - 6272'<br>PLO                            |  | Fraced with 9850# 14/30 Lite prop 125 followed with 3220# brown sand |                        |
|  |  |  |  |   |  |  |                        |
| 33 PRODUCTION  |  |  |  |   |  |  |                        |
| DATE OF FIRST PRODUCTION   |  | PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) |  |   |  | WELL STATUS (PRODUCING OR SI)  |                        |
|  |  |  |  |   |  | SI - waiting tie in  |                        |
| DATE OF TEST<br>1-22-09  |  | TESTED<br>10 hrs   |  | CHOKE SIZE<br>2"                                |  | PROD'N FOR TEST<br>PERIOD  |                        |
| FLOW TBG PRESS<br>0 oz   |  | CASING PRESSURE<br>5 oz  |  | CALCULATED 24-HOUR RATE                         |  | OIL - BBL<br>GAS - MCF<br>354 p/day                                  |                        |
| WATER - BBL  |  | GAS-OIL RATIO  |  | OIL - BBL                                       |  | GAS - MCF  |                        |
| OIL GRAVITY-API (CORR)   |  |  |  |   |  |  |                        |
| 34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc) TO BE SOLD  |  |  |  |   |  | TEST WITNESSED BY Weldon Higgins                                     |                        |
| 35 LIST OF ATTACHMENTS SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM, NSL-5963   |  |  |  |   |  |  |                        |

36 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED \_\_\_\_\_ TITLE Drig COM DATE 1-27-09

| 37 SUMMARY OF POROUS ZONES (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries) |     |        |                            |  | 38 GEOLOGIC MARKERS |                 |                |                     |
|--|-----|--------|----------------------------|--|---------------------|-----------------|----------------|---------------------|
| FORMATION  | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC |  | NAME                | TOP             |                |                     |
|  |     |        |                            |  |                     | NAME            | MEASURED DEPTH | TRUE VERTICAL DEPTH |
|  |     |        |                            |  |                     | KIRTLAND        | 3598'          |                     |
|  |     |        |                            |  |                     | PICTURED CLIFFS | 3840'          |                     |
|  |     |        |                            |  |                     | CLIFFHOUSE      | 5579'          |                     |
|  |     |        |                            |  |                     | MENEFEE         | 5698'          |                     |
|  |     |        |                            |  |                     | POINT LOOKOUT   | 6030'          |                     |
|  |     |        |                            |  |                     | MANCOS          | 6396'          |                     |
|  |     |        |                            |  |                     |                 |                |                     |

District I  
1625 N French Dr , Hobbs, NM 88240  
District II  
1301 W Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

### Release Notification and Corrective Action

#### OPERATOR

☐ Initial Report ☒ Final Report

|                 |                              |               |                       |
|-----------------|------------------------------|---------------|-----------------------|
| Name of Company | Williams Production Co, LLC  | Contact       | Michael K (Myke) Lane |
| Address         | PO Box 640 / Aztec, NM 87410 | Telephone No  | (505) 634-4200        |
| Facility Name   | Jicarilla 93 #015            | Facility Type | Wellsite              |

|               |        |               |        |          |
|---------------|--------|---------------|--------|----------|
| Surface Owner | Tribal | Mineral Owner | Tribal | Lease No |
|---------------|--------|---------------|--------|----------|

#### LOCATION OF RELEASE

|             |         |          |       |               |                  |               |                |            |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|------------|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County     |
| P           | 33      | 27N      | 03W   |               |                  |               |                | Rio Arriba |

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

#### NATURE OF RELEASE

|                             |  |  |                            |
|-----------------------------|--|--|----------------------------|
| Type of Release             | Not Applicable – Report of Pit Samples   | Volume of Release                        | Volume Recovered           |
| Source of Release           | Frozen Drain valve on storage tank   | Date and Hour of Occurrence              | Date and Hour of Discovery |
| Was Immediate Notice Given? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?                         |                            |
| By Whom?                    |  | Date and Hour                            |                            |
| Was a Watercourse Reached?  | <input type="checkbox"/> Yes <input type="checkbox"/> No                                       | If YES, Volume Impacting the Watercourse |                            |

If a Watercourse was Impacted, Describe Fully \*

Describe Cause of Problem and Remedial Action Taken **See attached results of composite sample collected during temporary pit closure.**

Describe Area Affected and Cleanup Action Taken.\*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

|  |                                  |                  |                                   |
|--|----------------------------------|------------------|-----------------------------------|
| Signature                              | <u>OIL CONSERVATION DIVISION</u> |                  |                                   |
| Printed Name: Michael K. Lane          | Approved by District Supervisor: |                  |                                   |
| Title: EH&S Specialist                 | Approval Date:                   | Expiration Date: |                                   |
| E-mail Address: myke.lane@williams.com | Conditions of Approval           |                  | Attached <input type="checkbox"/> |
| Date:                                  | Phone:                           |                  |                                   |

\* Attach Additional Sheets If Necessary



EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons

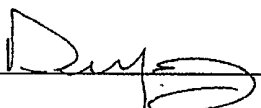
|                      |           |                     |            |
|----------------------|-----------|---------------------|------------|
| Client:              | WPX       | Project #:          | 04103-0003 |
| Sample ID:           | Composite | Date Reported:      | 05-04-09   |
| Laboratory Number    | 49846     | Date Sampled:       | 04-27-09   |
| Chain of Custody No: | 6941      | Date Received:      | 04-30-09   |
| Sample Matrix:       | Soil      | Date Extracted:     | 04-30-09   |
| Preservative:        | Cool      | Date Analyzed:      | 05-01-09   |
| Condition:           | Intact    | Analysis Requested: | 8015 TPH   |

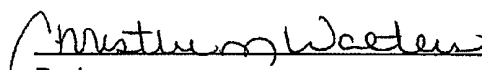
| Parameter                    | Concentration<br>(mg/Kg) | Det.<br>Limit<br>(mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10)    | 1.9                      | 0.2                      |
| Diesel Range (C10 - C28)     | 50.9                     | 0.1                      |
| Total Petroleum Hydrocarbons | 52.8                     | 0.2                      |

ND - Parameter not detected at the stated detection limit.

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

Comments: Jic 93 #15 Res. pit

  
Analyst

  
Review





EPA Method 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons

Quality Assurance Report

|                    |                    |                    |          |
|--------------------|--------------------|--------------------|----------|
| Client:            | QA/QC              | Project #          | N/A      |
| Sample ID:         | 05-01-09 QA/QC     | Date Reported      | 05-04-09 |
| Laboratory Number: | 49845              | Date Sampled       | N/A      |
| Sample Matrix:     | Methylene Chloride | Date Received      | N/A      |
| Preservative:      | N/A                | Date Analyzed      | 05-01-09 |
| Condition          | N/A                | Analysis Requested | TPH      |

|                         | Cal Date | Cal RF      | Cal RF      | % Difference | Accept Range |
|-------------------------|----------|-------------|-------------|--------------|--------------|
| Gasoline Range C5 - C10 | 05-07-07 | 1.0274E+003 | 1.0279E+003 | 0.04%        | 0 - 15%      |
| Diesel Range C10 - C28  | 05-07-07 | 1.0488E+003 | 1.0492E+003 | 0.04%        | 0 - 15%      |

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

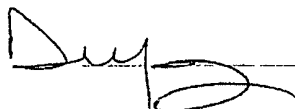
| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept Range |
|-------------------------|--------|-----------|--------------|--------------|
| Gasoline Range C5 - C10 | 1,250  | 1,230     | 1.6%         | 0 - 30%      |
| Diesel Range C10 - C28  | 4,900  | 4,850     | 1.0%         | 0 - 30%      |

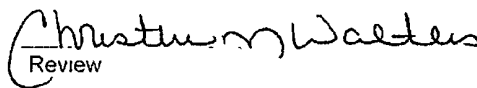
| Spike Conc. (mg/Kg)     | Sample | Spike Added | Spike Result | % Recovery | Accept Range |
|-------------------------|--------|-------------|--------------|------------|--------------|
| Gasoline Range C5 - C10 | 1,250  | 250         | 1,527        | 102%       | 75 - 125%    |
| Diesel Range C10 - C28  | 4,900  | 250         | 5,200        | 101%       | 75 - 125%    |

ND - Parameter not detected at the stated detection limit.

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

Comments. QA/QC for Sample 49828 - 49830, 49835 - 49838, and 49845 - 49847.

Analyst 

  
Review



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

|                    |           |                     |            |
|--------------------|-----------|---------------------|------------|
| Client:            | WPX       | Project #:          | 04103-0003 |
| Sample ID:         | Composite | Date Reported:      | 05-04-09   |
| Laboratory Number: | 49846     | Date Sampled:       | 04-27-09   |
| Chain of Custody:  | 6941      | Date Received:      | 04-30-09   |
| Sample Matrix:     | Soil      | Date Analyzed:      | 05-01-09   |
| Preservative:      | Cool      | Date Extracted:     | 04-30-09   |
| Condition:         | Intact    | Analysis Requested: | BTEX       |

| Parameter    | Concentration<br>(ug/Kg) | Det.<br>Limit<br>(ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene      | 8.3                      | 0.9                      |
| Toluene      | 11.1                     | 1.0                      |
| Ethylbenzene | 1.7                      | 1.0                      |
| p,m-Xylene   | 248                      | 1.2                      |
| o-Xylene     | 74.2                     | 0.9                      |
| Total BTEX   | 343                      |                          |

ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: Jic 93 #15 Res. Pit

Analyst

Review



**EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS**

|                   |                |               |          |
|-------------------|----------------|---------------|----------|
| Client            | N/A            | Project #     | N/A      |
| Sample ID         | 05-01-BT QA/QC | Date Reported | 05-04-09 |
| Laboratory Number | 49845          | Date Sampled  | N/A      |
| Sample Matrix     | Soil           | Date Received | N/A      |
| Preservative      | N/A            | Date Analyzed | 05-01-09 |
| Condition         | N/A            | Analysis      | BTEX     |

| Calibration and<br>Detection Limits (ug/L) | I-Cal RF    | C-Cal RF             | %Diff | Blank<br>Conc | Detect<br>Limit |
|--|-------------|----------------------|-------|---------------|-----------------|
|  |             | Accept Range 0 - 15% |       |               |                 |
| Benzene                                    | 6.3318E+006 | 6.3445E+006          | 0.2%  | ND            | 0.1             |
| Toluene                                    | 5.7975E+006 | 5.8091E+006          | 0.2%  | ND            | 0.1             |
| Ethylbenzene                               | 4.9885E+006 | 4.9985E+006          | 0.2%  | ND            | 0.1             |
| p,m-Xylene                                 | 1.2995E+007 | 1.3021E+007          | 0.2%  | ND            | 0.1             |
| o-Xylene                                   | 4.8493E+006 | 4.8591E+006          | 0.2%  | ND            | 0.1             |

| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff | Accept Range | Detect Limit |
|-------------------------|--------|-----------|-------|--------------|--------------|
| Benzene                 | 101    | 101       | 0.0%  | 0 - 30%      | 0.9          |
| Toluene                 | 257    | 254       | 1.4%  | 0 - 30%      | 1.0          |
| Ethylbenzene            | 1,800  | 1,780     | 1.1%  | 0 - 30%      | 1.0          |
| p,m-Xylene              | 19,600 | 19,500    | 0.5%  | 0 - 30%      | 1.2          |
| o-Xylene                | 6,540  | 6,519     | 0.3%  | 0 - 30%      | 0.9          |

| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | %Recovery | Accept Range |
|---------------------|--------|---------------|---------------|-----------|--------------|
| Benzene             | 101    | 50.0          | 150           | 99.0%     | 39 - 150     |
| Toluene             | 257    | 50.0          | 303           | 98.7%     | 46 - 148     |
| Ethylbenzene        | 1,800  | 50.0          | 1,820         | 98.4%     | 32 - 160     |
| p,m-Xylene          | 19,600 | 100           | 19,700        | 100%      | 46 - 148     |
| o-Xylene            | 6,540  | 50.0          | 6,560         | 99.5%     | 46 - 148     |

ND - Parameter not detected at the stated detection limit

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

**Comments:**      **QA/QC for Samples 49828 - 49830, 49835 - 49838, and 49845 - 49847.**

\_\_\_\_\_  
 Analyst

\_\_\_\_\_  
 Review



EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

|                      |           |                  |            |
|----------------------|-----------|------------------|------------|
| Client:              | WPX       | Project #:       | 04103-0003 |
| Sample ID:           | Composite | Date Reported:   | 05-05-09   |
| Laboratory Number:   | 49846     | Date Sampled:    | 04-27-09   |
| Chain of Custody No: | 6941      | Date Received:   | 04-30-09   |
| Sample Matrix:       | Soil      | Date Extracted:  | 05-01-09   |
| Preservative:        | Cool      | Date Analyzed:   | 05-01-09   |
| Condition:           | Intact    | Analysis Needed: | TPH-418.1  |

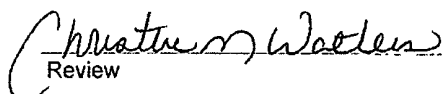
| Parameter                    | Concentration<br>(mg/kg) | Det.<br>Limit<br>(mg/kg) |
|------------------------------|--------------------------|--------------------------|
| Total Petroleum Hydrocarbons | 129                      | 7.8                      |

ND = Parameter not detected at the stated detection limit.

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

Comments: Jic. 93 #15 Res. Pit.

Analyst 

  
Review



EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS  
QUALITY ASSURANCE REPORT

|                    |                       |                  |          |
|--------------------|-----------------------|------------------|----------|
| Client:            | QA/QC                 | Project #:       | N/A      |
| Sample ID:         | QA/QC                 | Date Reported:   | 05-05-09 |
| Laboratory Number: | 05-01-TPH.QA/QC 49770 | Date Sampled:    | N/A      |
| Sample Matrix:     | Freon-113             | Date Analyzed:   | 05-01-09 |
| Preservative:      | N/A                   | Date Extracted:  | 05-01-09 |
| Condition:         | N/A                   | Analysis Needed: | TPH      |

| Calibration | I-Cal Date | C-Cal Date | I-Cal RF: | C-Cal RF: | % Difference | Accept. Range |
|-------------|------------|------------|-----------|-----------|--------------|---------------|
|             | 05-01-09   | 05-01-09   | 1,620     | 1,760     | 8.6%         | +/- 10%       |

| Blank Conc. (mg/Kg) | Concentration | Detection Limit |
|---------------------|---------------|-----------------|
| TPH                 | ND            | 7.8             |

| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept. Range |
|-------------------------|--------|-----------|--------------|---------------|
| TPH                     | 3,943  | 4,461     | 13.1%        | +/- 30%       |

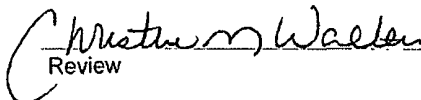
| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept Range |
|---------------------|--------|-------------|--------------|------------|--------------|
| TPH                 | 3,940  | 2,000       | 6,720        | 113%       | 80 - 120%    |

ND = Parameter not detected at the stated detection limit.

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

Comments: QA/QC for Samples 49770, 49829, 49830, and 49845 - 49847.

Analyst 

Review 



## Chloride

|                |           |                  |            |
|----------------|-----------|------------------|------------|
| Client:        | WPX       | Project #:       | 04108-0003 |
| Sample ID:     | Composite | Date Reported:   | 05-07-09   |
| Lab ID#:       | 49846     | Date Sampled:    | 04-27-09   |
| Sample Matrix: | Soil      | Date Received:   | 04-30-09   |
| Preservative:  | Cool      | Date Analyzed:   | 05-07-09   |
| Condition:     | Intact    | Chain of Custody | 6941       |

| Parameter | Concentration (mg/Kg) |
|-----------|-----------------------|
|-----------|-----------------------|

Total Chloride

36

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

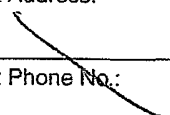
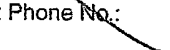
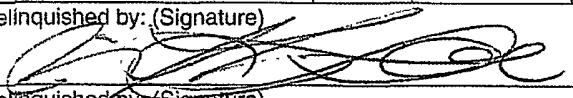
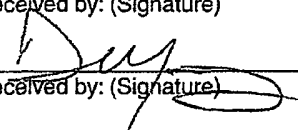
Comments: Jic. 93 #15 Res. Pit

Analyst

Review

# CHAIN OF CUSTODY RECORD

6941

| Client: <b>W/PX</b>  |             |             | Project Name / Location: <b>Loc. 93#15 RES. PIT</b> |                              |  | ANALYSIS / PARAMETERS                 |                    |                                     |                                     |                                     |     |               |     |                                     |                                     |  |  |                                     |                                     |
|--|-------------|-------------|---|------------------------------|--|---------------------------------------|--------------------|-------------------------------------|-------------------------------------|-------------------------------------|-----|---------------|-----|-------------------------------------|-------------------------------------|--|--|-------------------------------------|-------------------------------------|
| Client Address:                 |             |             | Sampler Name: <b>JOHNNY STINSON</b>                 |                              |  | TPH (Method 8015)                     | BTEX (Method 8021) | VOC (Method 8260)                   | RCRA 8 Metals                       | Cation / Anion                      | RCI | TCLP with H/P | PAH | TPH (418.1)                         | CHLORIDE                            |  |  | Sample Cool                         | Sample Intact                       |
| Client Phone No.:               |             |             | Client No.: <b>04108-0003</b>                       |                              |  |                                       |                    |                                     |                                     |                                     |     |               |     |                                     |                                     |  |  |                                     |                                     |
| Sample No./ Identification   | Sample Date | Sample Time | Lab No.   | Sample Matrix                | No./Volume of Containers   | Preservative<br>HgCl <sub>2</sub> HCl |                    |                                     |                                     |                                     |     |               |     |                                     |                                     |  |  |                                     |                                     |
| <b>COMPOSITE</b>   | <b>4/27</b> | <b>800</b>  | <b>49846</b>  | Soil Sludge<br>Solid Aqueous | <b>1</b>   |                                       |                    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |     |               |     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |  |  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
|  |             |             |   | Soil Sludge<br>Solid Aqueous |  |                                       |                    |                                     |                                     |                                     |     |               |     |                                     |                                     |  |  |                                     |                                     |
|  |             |             |   | Soil Sludge<br>Solid Aqueous |  |                                       |                    |                                     |                                     |                                     |     |               |     |                                     |                                     |  |  |                                     |                                     |
|  |             |             |   | Soil Sludge<br>Solid Aqueous |  |                                       |                    |                                     |                                     |                                     |     |               |     |                                     |                                     |  |  |                                     |                                     |
|  |             |             |   | Soil Sludge<br>Solid Aqueous |  |                                       |                    |                                     |                                     |                                     |     |               |     |                                     |                                     |  |  |                                     |                                     |
|  |             |             |   | Soil Sludge<br>Solid Aqueous |  |                                       |                    |                                     |                                     |                                     |     |               |     |                                     |                                     |  |  |                                     |                                     |
|  |             |             |   | Soil Sludge<br>Solid Aqueous |  |                                       |                    |                                     |                                     |                                     |     |               |     |                                     |                                     |  |  |                                     |                                     |
|  |             |             |   | Soil Sludge<br>Solid Aqueous |  |                                       |                    |                                     |                                     |                                     |     |               |     |                                     |                                     |  |  |                                     |                                     |
|  |             |             |   | Soil Sludge<br>Solid Aqueous |  |                                       |                    |                                     |                                     |                                     |     |               |     |                                     |                                     |  |  |                                     |                                     |
|  |             |             |   | Soil Sludge<br>Solid Aqueous |  |                                       |                    |                                     |                                     |                                     |     |               |     |                                     |                                     |  |  |                                     |                                     |
|  |             |             |   | Soil Sludge<br>Solid Aqueous |  |                                       |                    |                                     |                                     |                                     |     |               |     |                                     |                                     |  |  |                                     |                                     |
| Relinquished by: (Signature)  |             |             | Date  | Time                         | Received by: (Signature)  |                                       |                    | Date                                | Time                                |                                     |     |               |     |                                     |                                     |  |  |                                     |                                     |
|  |             |             | <b>4/30</b>   | <b>730</b>                   |  |                                       |                    | <b>4-30-09</b>                      | <b>730</b>                          |                                     |     |               |     |                                     |                                     |  |  |                                     |                                     |
| Relinquished by: (Signature)   |             |             |   |                              | Received by: (Signature)   |                                       |                    |                                     |                                     |                                     |     |               |     |                                     |                                     |  |  |                                     |                                     |
| Relinquished by: (Signature)   |             |             |   |                              | Received by: (Signature)   |                                       |                    |                                     |                                     |                                     |     |               |     |                                     |                                     |  |  |                                     |                                     |

**ENVIROTECH INC.**

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

WILLIAMS PRODUCTION COMPANY

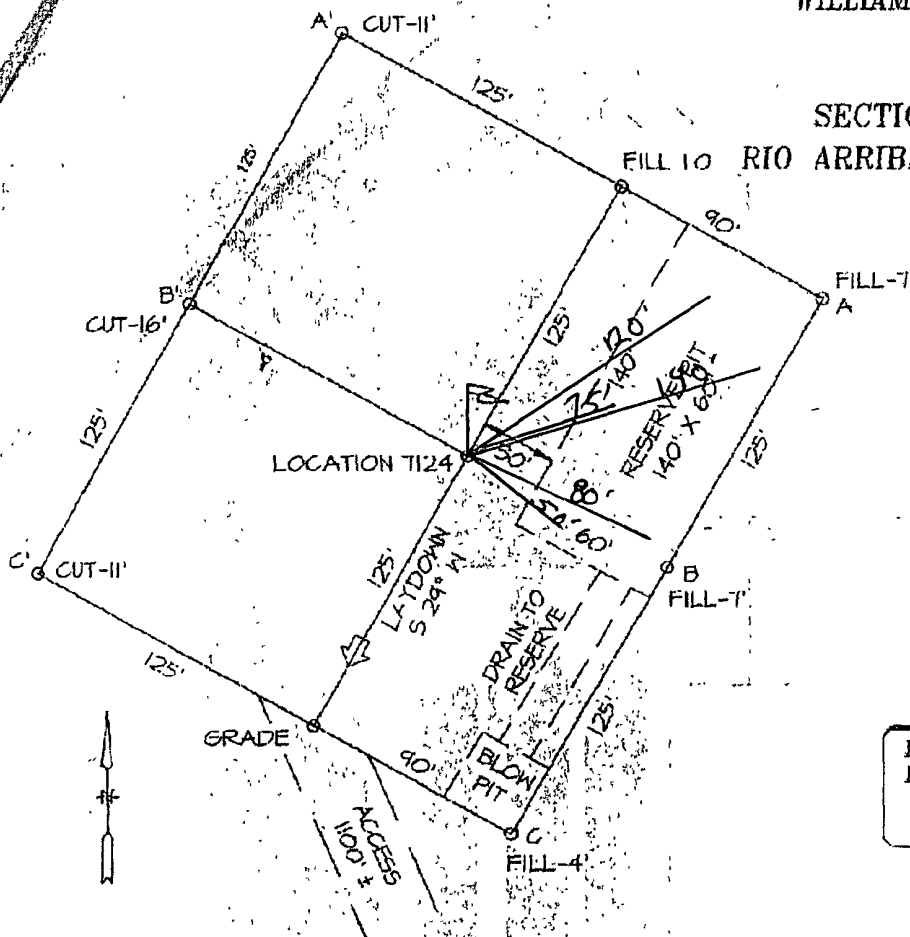
JICARILLA 93 #15

1055 FSL & 280 FEL

SECTION 33 T27N R3W NMPM

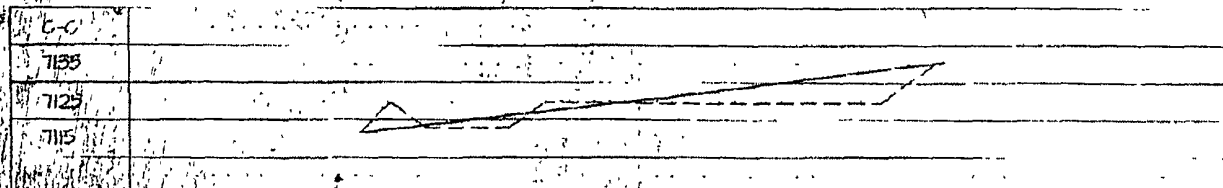
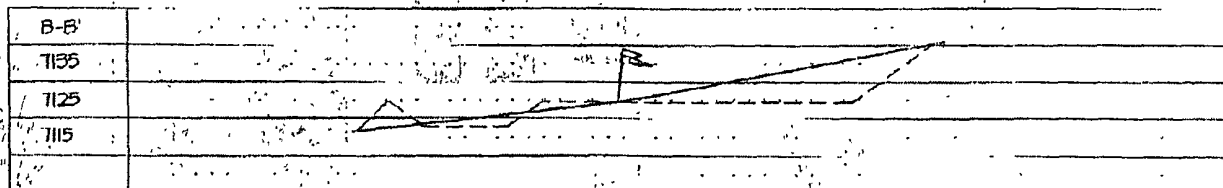
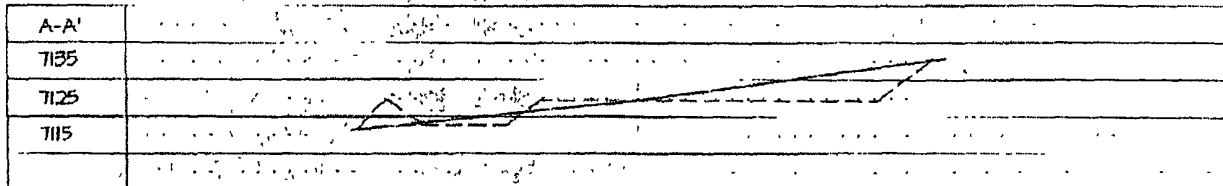
RIO ARriba COUNTY, NEW MEXICO

ELEVATION: 7124



Location of  
grab samples

LATITUDE: 36°31'32" N  
LONGITUDE: 107°08'31" W  
WGS 84  
VERT. DATUM: NAD 1927







**Lane, Myke (E&P)**

---

**From:** johnny@adobecontractorsinc.com  
**Sent:** Friday, April 24, 2009 9:12 AM  
**To:** Brandon Powell  
**Cc:** JJ Miller; Lane, Myke ; Meador, Tasha  
**Subject:** Williams clean-ups

Brandon,

We will finish the clean-up on the Jicarilla 93 #15 today and will start the Jicarilla 93 #12A on Monday. We have also started the Rosa Unit #257A clean-up on the Carson Forest. Please let me know if you have any questions.

Thanks,

Johnny Stinson  
Gen. Manager/ Adobe Contractors  
Office: (505)632-1486  
Mobile: (505)320-6076  
[johnny@adobecontractorsinc.com](mailto:johnny@adobecontractorsinc.com)

5

4/24/2009

**Lane, Myke (E&P)**

---

**From:** johnny@adobecontractorsinc.com  
**Sent:** Monday, April 20, 2009 3 19 PM  
**To:** Brandon Powell  
**Cc:** Lane, Myke (E&P); Meador, Tasha (E&P)  
**Subject:** Williams Clean-ups

Brandon,  
We started the clean-up on the Jicarilla 93 #15 today. Let me know if you have any questions.

Thanks,

Johnny Stinson  
Gen. Manager/ Adobe Contractors  
Office (505)632-1486  
Mobile (505)320-6076  
[johnny@adobecontractorsinc.com](mailto:johnny@adobecontractorsinc.com)

4/21/2009

**Perkins, Holly (E&P)**

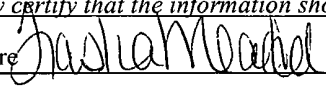
---

**From:** johnny@adobecontractorsinc.com  
**Sent:** Monday, March 09, 2009 10:24 AM  
**To:** ~~Bryce-Hammond; Kurt-Sandoval~~ *W/ Tribe*  
**Cc:** Lane, Myke (E&P); Perkins, Holly (E&P)  
**Subject:** Clean-up notification

Bryce and Kurt,  
We are ready to backfill the pits on the Jicarilla 93 #15 and the Jicarilla 92 #8A. Please contact me if you have any questions  
Thanks,

Johnny Stinson  
Gen. Manager/ Adobe Contractors  
Office: (505)632-1486  
Mobile: (505)320-6076  
[johnny@adobecontractorsinc.com](mailto:johnny@adobecontractorsinc.com)

3/9/2009

|  |   |  |
|--|---|--|
| Submit To Appropriate District Office<br>Two Copies<br>District I<br>1625 N French Dr, Hobbs, NM 88240<br>District II<br>1301 W Grand Avenue, Artesia, NM 88210<br>District III<br>1000 Rio Brazos Rd, Aztec, NM 87410<br>District IV<br>1220 S St Francis Dr, Santa Fe, NM 87505  | <b>State of New Mexico</b><br><b>Energy, Minerals and Natural Resources</b><br><br><b>Oil Conservation Division</b><br><b>1220 South St. Francis Dr.</b><br><b>Santa Fe, NM 87505</b> | <b>Form C-105</b><br>July 17, 2008   |
|  |   | 1. WELL API NO.<br>30-039-29810  |
|  |   | 2. Type of Lease<br><input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> FED/INDIAN |
|  |   | 3. State Oil & Gas Lease No Jicarilla Contract #93   |
| <b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>  |   |  |
| 4. Reason for filing<br><br><input type="checkbox"/> <b>COMPLETION REPORT</b> (Fill in boxes #1 through #31 for State and Fee wells only)<br><br><input checked="" type="checkbox"/> <b>C-144 CLOSURE ATTACHMENT</b> (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33, attach this and the plat to the C-144 closure report in accordance with 19 15 17 13 K NMAC) |   | 5. Lease Name or Unit Agreement Name<br>Jicarilla Apache Nation  |
|  |   | 6. Well Number<br><br>Jicarilla "93" #15   |
| 7. Type of Completion<br><input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER   |   |  |
| 8. Name of Operator    WILLIAMS PRODUCTION, LLC  |   | 9. OGRID    120782   |
| 10. Address of Operator    P O BOX 640    AZTEC, NM 87410  |   | 11. Pool name or Wildcat   |
| 12. Location   | Unit Ltr  | Section  |
| Surface:   |   |  |
| BH:  |   |  |
| 13. Date Spudded   | 14. Date T D Reached  | 15. Date Rig Released<br>4/16/2009   |
| 16. Date Completed (Ready to Produce)  |   | 17. Elevations (DF and RKB, RT, GR, etc )  |
| 18. Total Measured Depth of Well   | 19. Plug Back Measured Depth  | 20. Was Directional Survey Made?   |
| 21. Type Electric and Other Logs Run   |   |  |
| 22. Producing Interval(s), of this completion - Top, Bottom, Name  |   |  |
| <b>23 CASING RECORD (Report all strings set in well)</b>   |   |  |
| CASING SIZE  | WEIGHT LB /FT   | DEPTH SET  |
|  |   |  |
|  |   |  |
|  |   |  |
|  |   |  |
|  |   |  |
|  |   |  |
| 24. LINER RECORD   |   | 25. TUBING RECORD  |
| SIZE   | TOP   | BOTTOM   |
|  |   |  |
|  |   |  |
|  |   |  |
|  |   |  |
| 26. Perforation record (interval, size, and number)  |   | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.  |
|  |   | DEPTH INTERVAL   |
|  |   | AMOUNT AND KIND MATERIAL USED  |
|  |   |  |
|  |   |  |
| <b>28 PRODUCTION</b>   |   |  |
| Date First Production  | Production Method (Flowing, gas lift, pumping - Size and type pump)   |  |
|  |   | Well Status (Prod or Shut-in)  |
| Date of Test   | Hours Tested  | Choke Size   |
|  |   |  |
| Flow Tubing Press  | Casing Pressure   | Calculated 24-Hour Rate  |
|  |   |  |
| Oil - Bbl  | Gas - MCF   | Water - Bbl  |
|  |   |  |
| Oil - Bbl  | Gas - MCF   | Water - Bbl  |
|  |   |  |
| 29. Disposition of Gas (Sold, used for fuel, vented, etc )   |   | 30. Test Witnessed By  |
| 31. List Attachments   |   |  |
| 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit    Attached  |   |  |
| 33. If an on-site burial was used at the well, report the exact location of the on-site burial   |   |  |
| Latitude    36 3204147    Longitude    -107 083314624    NAD 1927    X1983   |   |  |
| I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief   |   |  |
| Signature  | Name  | Title  |
|   | Michael K. Lane   | EH&S Specialist  |
| E-mail Address.    myke.lane@williams.com  |   | Date    7-2-10   |

**WILLIAMS PRODUCTION**  
**TEMP PIT CLOSURE REPORT ADDENDUM**  
**Jicarilla 93 #015**

Req #

- 1 Date & How free standing liquids removed in following manner: 5/6/2009  
Liquids removed by vacuum truck and hauled to Basin Disposal, Permit # NM 01-0005
- 
- 3 Return receipt sent & received from surface owner: Copy Attached
- 
- 4 Rig off location on following date: 4/16/2009  
Pit covered on following date: 4/24/2009  
Reseeding started/scheduled for following date: Spring/Fall 2009  
Date and mix to follow BLM/USFS COAs in APD per BLM:FFO/NMOCD MOU dated 5/4/09.
- 
- 6 Pit liner removed on following date: 4/20/2009  
Pit liner removed by following company: Adobe Construction
- Pit liner removed in following manner:  
Cut liner above mud level after stabilization by manually &/or mechanically cutting liner. Removed all anchored material on date given.
- 
- Facility where Pit liner disposed: S.J. Regional Landfill, NMED Permit SWM-052426
- 
- 7 Solidification process accomplished in following manner:  
Adobe construction used combination of natural drying & mechanical mixing. Pit contents were mixed with non-waste, earthen material to a consistency that is safe & stable. The mixing ratio has not exceeded 3 parts non-waste to 1 part pit contents.
- 
- 8 Five point composite sample provided: Envirotech Results Attached
- 
- 9 Testing of earth by following company: Envirotech, Inc.  
Material & method used for solidification, non-waste earthen material:  
Grading & backfilling area with approximately 4' of soils and earthen materials recovered during site construction, to one foot consisting of topsoil.
- 
- 10 Re-contouring to match surrounding geography done in following manner (using BMP's):

### Jicarilla 93 #015

Reestablish drainage and contours to approximately match previous topography meeting Conditions of Approval in APD and as specified by Surface Management Agency Inspectors.

---

- 11 Sundry (C103) to NMOCD when area seeded and seed mix used:  
Williams will comply with Surface Management Agency reseeding requirements in COAs of the APD for the referenced well, per BLM:FFO/NMOCD MOU dated 5/4/09.
- 

- 12 Date pit was covered: 4/24/2009
- 13 Company setting steel marker on site: Adobe Construction
- Date marker set: 10/13/2009
- Type cmt & depth of cmt to place marker: 2 sx Pre-mixed concrete @ 4' depth
- Type of marker used: (check one) Plate
- Pertinent information on marker (operator, lease, well name/#, S-T-R-UL):  
Williams Production, Jicarilla 93 #15 , Unit p, Sec. 33; T27N; R3W, in place burial
- 

#### Attached information :

- \*\* Sample results from Form C141 (Release Notification & Corrective Action) Attached
- Date & time release occurred: NA
- \*\* C105 (Completion Rpt) w/Applicable Pit Information Attached
-



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

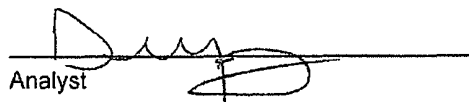
|                      |          |                     |            |
|----------------------|----------|---------------------|------------|
| Client:              | WPX      | Project #:          | 04108-0003 |
| Sample ID:           | Blow Pit | Date Reported:      | 12-15-09   |
| Laboratory Number:   | 52673    | Date Sampled:       | 12-10-09   |
| Chain of Custody No: | 8471     | Date Received:      | 12-11-09   |
| Sample Matrix:       | Soil     | Date Extracted:     | 12-11-09   |
| Preservative:        | Cool     | Date Analyzed:      | 12-14-09   |
| Condition:           | Intact   | Analysis Requested: | 8015 TPH   |

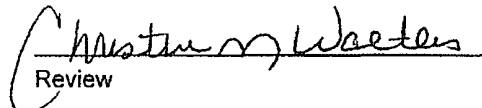
| Parameter                    | Concentration<br>(mg/Kg) | Det.<br>Limit<br>(mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10)    | ND                       | 0.2                      |
| Diesel Range (C10 - C28)     | ND    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

ND - Parameter not detected at the stated detection limit.

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

Comments: Jicarilla 93 #15.

  
Analyst

  
Review





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

**Quality Assurance Report**

|                    |                    |                     |          |
|--------------------|--------------------|---------------------|----------|
| Client:            | QA/QC              | Project #:          | N/A      |
| Sample ID:         | 12-14-09 QA/QC     | Date Reported:      | 12-15-09 |
| Laboratory Number: | 52666              | Date Sampled:       | N/A      |
| Sample Matrix:     | Methylene Chloride | Date Received:      | N/A      |
| Preservative:      | N/A                | Date Analyzed:      | 12-14-09 |
| Condition:         | N/A                | Analysis Requested: | TPH      |

|                         | Cal Date | Cal RF      | C-Cal RF    | % Difference | Accept Range |
|-------------------------|----------|-------------|-------------|--------------|--------------|
| Gasoline Range C5 - C10 | 05-07-07 | 1.0374E+003 | 1.0378E+003 | 0.04%        | 0 - 15%      |
| Diesel Range C10 - C28  | 05-07-07 | 1.0698E+003 | 1.0702E+003 | 0.04%        | 0 - 15%      |

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

| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept Range |
|-------------------------|--------|-----------|--------------|--------------|
| Gasoline Range C5 - C10 | 18.1   | 16.0      | 11.6%        | 0 - 30%      |
| Diesel Range C10 - C28  | 14.5   | 14.4      | 0.7%         | 0 - 30%      |

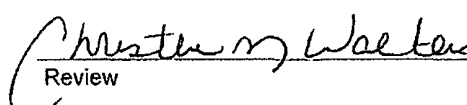
| Spike Conc. (mg/Kg)     | Sample | Spike Added | Spike Result | % Recovery | Accept Range |
|-------------------------|--------|-------------|--------------|------------|--------------|
| Gasoline Range C5 - C10 | 18.1   | 250         | 264          | 98.5%      | 75 - 125%    |
| Diesel Range C10 - C28  | 14.5   | 250         | 258          | 97.4%      | 75 - 125%    |

ND - Parameter not detected at the stated detection limit.

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

Comments: QA/QC for Samples 52666 - 52675.

  
Analyst

  
Review



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

|                    |          |                     |            |
|--------------------|----------|---------------------|------------|
| Client:            | WPX      | Project #:          | 04108-0003 |
| Sample ID:         | Blow Pit | Date Reported:      | 12-15-09   |
| Laboratory Number: | 52673    | Date Sampled:       | 12-10-09   |
| Chain of Custody:  | 8471     | Date Received:      | 12-11-09   |
| Sample Matrix:     | Soil     | Date Analyzed:      | 12-14-09   |
| Preservative:      | Cool     | Date Extracted:     | 12-11-09   |
| Condition:         | Intact   | Analysis Requested: | BTEX       |

| Parameter    | Concentration<br>(ug/Kg) | Det.<br>Limit<br>(ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene      | ND                       | 0.9                      |
| Toluene      | ND                       | 1.0                      |
| Ethylbenzene | ND                       | 1.0                      |
| p,m-Xylene   | ND                       | 1.2                      |
| o-Xylene     | ND                       | 0.9                      |
| Total BTEX   | ND                       |                          |

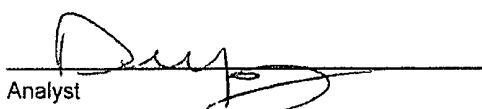
ND - Parameter not detected at the stated detection limit.

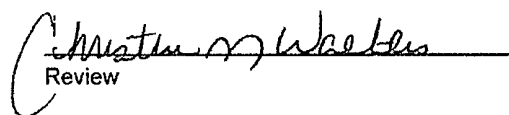
| Surrogate Recoveries: | Parameter           | Percent Recovery |
|-----------------------|---------------------|------------------|
|                       | Fluorobenzene       | 92.1 %           |
|                       | 1,4-difluorobenzene | 96.0 %           |
|                       | Bromochlorobenzene  | 97.0 %           |

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

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

Comments: Jicarilla 93 #15.

  
Analyst

  
Review



**EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS**

|                    |                  |                |          |
|--------------------|------------------|----------------|----------|
| Client:            | N/A              | Project #:     | N/A      |
| Sample ID:         | 12-14-BTEX QA/QC | Date Reported: | 12-15-09 |
| Laboratory Number: | 52666            | Date Sampled:  | N/A      |
| Sample Matrix:     | Soil             | Date Received: | N/A      |
| Preservative:      | N/A              | Date Analyzed: | 12-14-09 |
| Condition:         | N/A              | Analysis:      | BTEX     |

| Calibration and<br>Detection Limits (ug/L) | I-Cal RF    | C-Cal RF                | %Diff | Blank<br>Conc | Detect<br>Limit |
|--|-------------|-------------------------|-------|---------------|-----------------|
|  |             | Accept Range 0.5 - 1.5% |       |               |                 |
| Benzene                                    | 1.5771E+006 | 1.5803E+006             | 0.2%  | ND            | 0.1             |
| Toluene                                    | 1.4639E+006 | 1.4669E+006             | 0.2%  | ND            | 0.1             |
| Ethylbenzene                               | 1.3273E+006 | 1.3299E+006             | 0.2%  | ND            | 0.1             |
| p,m-Xylene                                 | 3.3752E+006 | 3.3820E+006             | 0.2%  | ND            | 0.1             |
| o-Xylene                                   | 1.2490E+006 | 1.2515E+006             | 0.2%  | ND            | 0.1             |

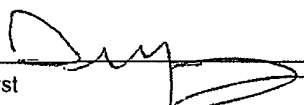
| Duplicate Conc: (ug/Kg) | Sample | Duplicate | %Diff | Accept Range | Detect Limit |
|-------------------------|--------|-----------|-------|--------------|--------------|
| Benzene                 | 2.4    | 2.2       | 8.3%  | 0 - 30%      | 0.9          |
| Toluene                 | 17.9   | 17.4      | 2.8%  | 0 - 30%      | 1.0          |
| Ethylbenzene            | 9.6    | 9.4       | 2.1%  | 0 - 30%      | 1.0          |
| p,m-Xylene              | 264    | 258       | 2.1%  | 0 - 30%      | 1.2          |
| o-Xylene                | 118    | 112       | 5.3%  | 0 - 30%      | 0.9          |

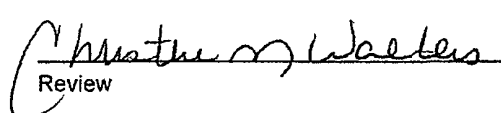
| Spike Conc: (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene             | 2.4    | 50.0          | 50.4          | 96.2%      | 39 - 150     |
| Toluene             | 17.9   | 50.0          | 64.9          | 95.6%      | 46 - 148     |
| Ethylbenzene        | 9.6    | 50.0          | 54.6          | 91.6%      | 32 - 160     |
| p,m-Xylene          | 264    | 100           | 355           | 97.7%      | 46 - 148     |
| o-Xylene            | 118    | 50.0          | 164           | 97.5%      | 46 - 148     |

ND - Parameter not detected at the stated detection limit

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

**Comments:** QA/QC for Samples 52666 - 52675.

Analyst 

Review 



**envirotech**  
Analytical Laboratory

**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

|                      |          |                  |            |
|----------------------|----------|------------------|------------|
| Client:              | WPX      | Project #:       | 04108-0003 |
| Sample ID:           | Blow Pit | Date Reported:   | 12-15-09   |
| Laboratory Number:   | 52673    | Date Sampled:    | 12-10-09   |
| Chain of Custody No: | 8471     | Date Received:   | 12-11-09   |
| Sample Matrix:       | Soil     | Date Extracted:  | 12-11-09   |
| Preservative:        | Cool     | Date Analyzed:   | 12-11-09   |
| Condition:           | Intact   | Analysis Needed: | TPH-418.1  |

| Parameter                    | Concentration<br>(mg/kg) | Det.<br>Limit<br>(mg/kg) |
|------------------------------|--------------------------|--------------------------|
| Total Petroleum Hydrocarbons | 10.3                     | 9.0                      |

ND = Parameter not detected at the stated detection limit.

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

Comments: **Jicarilla 93 #15**

Analyst

Review



EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS  
QUALITY ASSURANCE REPORT

|                    |                       |                  |          |
|--------------------|-----------------------|------------------|----------|
| Client:            | QA/QC                 | Project #:       | N/A      |
| Sample ID:         | QA/QC                 | Date Reported:   | 12-15-09 |
| Laboratory Number: | 12-11-TPH.QA/QC 52668 | Date Sampled:    | N/A      |
| Sample Matrix:     | Freon-113             | Date Analyzed:   | 12-11-09 |
| Preservative:      | N/A                   | Date Extracted:  | 12-11-09 |
| Condition:         | N/A                   | Analysis Needed: | TPH      |

| Calibration | I-Cal Date | C-Cal Date | I-Cal RF: | C-Cal RF: | % Difference | Accept. Range |
|-------------|------------|------------|-----------|-----------|--------------|---------------|
|             | 12-11-09   | 12-11-09   | 1,610     | 1,670     | 3.7%         | +/- 10%       |

| Blank Conc. (mg/Kg) | Concentration | Detection Limit |
|---------------------|---------------|-----------------|
| TPH                 | ND            | 9.0             |

| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept. Range |
|-------------------------|--------|-----------|--------------|---------------|
| TPH                     | 103    | 77.1      | 25.0%        | +/- 30%       |

| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept Range |
|---------------------|--------|-------------|--------------|------------|--------------|
| TPH                 | 103    | 2,000       | 2,500        | 119%       | 80 - 120%    |

ND = Parameter not detected at the stated detection limit.

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

Comments: QA/QC for Samples 52668-52675

Analyst

Review



**envirotech**  
Analytical Laboratory

## Chloride

|                |          |                   |            |
|----------------|----------|-------------------|------------|
| Client:        | WPX      | Project #:        | 04108-0003 |
| Sample ID:     | Blow Pit | Date Reported:    | 12-15-09   |
| Lab ID#:       | 52673    | Date Sampled:     | 12-10-09   |
| Sample Matrix: | Soil     | Date Received:    | 12-11-09   |
| Preservative:  | Cool     | Date Analyzed:    | 12-15-09   |
| Condition:     | Intact   | Chain of Custody: | 8471       |

### Parameter

### Concentration (mg/Kg)

**Total Chloride**

**48**

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

Comments: **Jicarilla 93 #15**


Analyst

Review

# CHAIN OF CUSTODY RECORD

8471

| Client: <u>W.P.K.</u>                          |                 |                | Project Name / Location: <u>Ticari Ha 93 #15</u> |                   |                          | ANALYSIS / PARAMETERS |   |                   |               |                |     |                      |                  |             |          |  |  |             |               |
|--|-----------------|----------------|--|-------------------|--------------------------|-----------------------|---|-------------------|---------------|----------------|-----|----------------------|------------------|-------------|----------|--|--|-------------|---------------|
| Client Address: <u>Mike Lane</u>               |                 |                | Sampler Name: <u>Glen Shley</u>                  |                   |                          | TPH (Method 8015)     | BTEX (Method 8021)                          | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | RCI | TCLP with H/P        | PAH              | TPH (418.1) | CHLORIDE |  |  | Sample Cool | Sample Intact |
| Client Phone No.:                              |                 |                | Client No.: <u>04108-0003</u>                    |                   |                          |                       |   |                   |               |                |     |                      |                  |             |          |  |  |             |               |
| Sample No./ Identification                     | Sample Date     | Sample Time    | Lab No.  | Sample Matrix     | No./Volume of Containers | Preservative          |   |                   |               |                |     |                      |                  |             |          |  |  |             |               |
| <u>Blow pit</u>                                | <u>12/10/09</u> | <u>3:05 pm</u> | <u>52673</u>                                     | <u>Soil Solid</u> | <u>1</u>                 |                       |   |                   |               |                |     |                      |                  |             |          |  |  | <u>Y</u>    | <u>Y</u>      |
|  |                 |                |  | Soil Solid        |                          |                       |   |                   |               |                |     |                      |                  |             |          |  |  |             |               |
|  |                 |                |  | Soil Solid        |                          |                       |   |                   |               |                |     |                      |                  |             |          |  |  |             |               |
|  |                 |                |  | Soil Solid        |                          |                       |   |                   |               |                |     |                      |                  |             |          |  |  |             |               |
|  |                 |                |  | Soil Solid        |                          |                       |   |                   |               |                |     |                      |                  |             |          |  |  |             |               |
|  |                 |                |  | Soil Solid        |                          |                       |   |                   |               |                |     |                      |                  |             |          |  |  |             |               |
|  |                 |                |  | Soil Solid        |                          |                       |   |                   |               |                |     |                      |                  |             |          |  |  |             |               |
|  |                 |                |  | Soil Solid        |                          |                       |   |                   |               |                |     |                      |                  |             |          |  |  |             |               |
|  |                 |                |  | Soil Solid        |                          |                       |   |                   |               |                |     |                      |                  |             |          |  |  |             |               |
|  |                 |                |  | Soil Solid        |                          |                       |   |                   |               |                |     |                      |                  |             |          |  |  |             |               |
|  |                 |                |  | Soil Solid        |                          |                       |   |                   |               |                |     |                      |                  |             |          |  |  |             |               |
|  |                 |                |  | Soil Solid        |                          |                       |   |                   |               |                |     |                      |                  |             |          |  |  |             |               |
| Relinquished by: (Signature) <u>Glen Shley</u> |                 |                |  |                   | Date <u>12/11/09</u>     | Time <u>8:25</u>      | Received by: (Signature) <u>[Signature]</u> |                   |               |                |     | Date <u>12/11/09</u> | Time <u>8:25</u> |             |          |  |  |             |               |
| Relinquished by: (Signature)                   |                 |                |  |                   |                          |                       | Received by: (Signature)                    |                   |               |                |     |                      |                  |             |          |  |  |             |               |
| Relinquished by: (Signature)                   |                 |                |  |                   |                          |                       | Received by: (Signature)                    |                   |               |                |     |                      |                  |             |          |  |  |             |               |



5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com

12.21.2009



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1600 E. Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised June 10, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                     |   |                             |  |
|-------------------------------------|---|-----------------------------|--|
| * API Number<br><b>30-039-29810</b> |   | * Pool Code<br><b>72319</b> | * Pool Name<br><b>BLANCO MESAVERDE</b> |
| * Property Code                     | * Property Name<br><b>JICARILLA 93</b>                |                             | * Well Number<br><b>15</b>             |
| * OGRID No.<br><b>120782</b>        | * Operator Name<br><b>WILLIAMS PRODUCTION COMPANY</b> |                             | * Elevation<br><b>7124</b>             |

**10 Surface Location**

| UL or lot no | Section   | Township   | Range     | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County            |
|--------------|-----------|------------|-----------|---------|---------------|------------------|---------------|----------------|-------------------|
| <b>P</b>     | <b>33</b> | <b>27N</b> | <b>3W</b> |         | <b>1055</b>   | <b>SOUTH</b>     | <b>280</b>    | <b>EAST</b>    | <b>RIO ARriba</b> |

**11 Bottom Hole Location If Different From Surface**

| UL or lot no                           | Section           | Township             | Range | Lot Idn     | Feet from the | North/South line | Feet from the | East/West line | County |
|--|-------------------|----------------------|-------|-------------|---------------|------------------|---------------|----------------|--------|
|  |                   |                      |       |             |               |                  |               |                |        |
| * Dedicated Acres<br><b>320 Ac E/2</b> | * Joint or Infill | * Consolidation Code |       | * Order No. |               |                  |               |                |        |

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

|                |           |                |                |   |
|----------------|-----------|----------------|----------------|---|
| <b>5283.80</b> | <b>33</b> | <b>5288.55</b> | <b>5284.74</b> | <b>17 OPERATOR CERTIFICATION</b><br>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.<br><br>Signature _____<br><br>Printed Name _____<br><br>Title and E-mail Address _____<br><br>Date _____  |
|                |           |                |                | <b>18 SURVEYOR CERTIFICATION</b><br>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.<br><br>AUGUST 5, 26 12008<br>CECIL B. TULLIS<br>NEW MEXICO<br>REGISTERED PROFESSIONAL LAND SURVEYOR<br>9672 |
|                |           |                |                |   |
|                |           | <b>5285.98</b> |                |   |