

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

3615

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/Transfer 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 So. Main, Aztec, NM 87410
Facility or well name: JICARILLA 92 #17A
API Number: 30-039-29918 OCD Permit Number: _____
U/L or Qtr/Qtr A Section 31 Township 27N Range 3W County: Rio Arriba
Center of Proposed Design: Latitude 36.534455 Longitude -107.180042 NAD: ☐ 1927 ☒ 1983
Surface Owner ☐ Federal ☐ State ☐ Private ☒ Tribal Trust or Indian Allotment

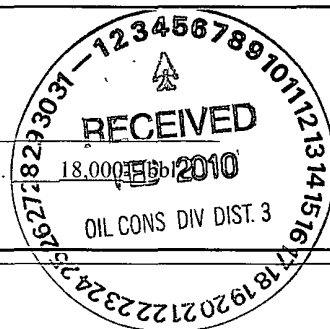
2
☒ **Pit:** Subsection F or G of 19.15.17.11 NMAC

Temporary: ☒ Drilling ☒ Workover ☐ Permanent ☐ Emergency ☒ Cavitation ☐ P&A

☒ Lined ☐ Unlined Liner type: Thickness 20 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other _____

☒ String-Reinforced Liner Seams ☒ Welded ☒ Factory ☐ Other _____ Volume: 18,000 bbl

Dimensions: L 140' x W 60' x D 12'



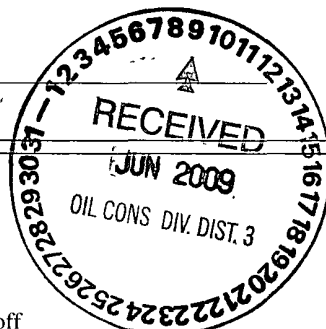
3
☐ **Closed-loop System:** Subsection H of 19.15.17.11 NMAC

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: 197 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

6.

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

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

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 - 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). - 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. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo, Satellite image	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application (Applies to permanent pits) - Visual inspection (certification) of the proposed site, Aerial photo, Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <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 - 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 - 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. - 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 - 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 - 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 - 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 H₂S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

14.

Proposed Closure: 19.15.17.13 NMAC**Instructions:** Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

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

☐ Alternative

Proposed Closure Method ☐ Waste Excavation and Removal

☐ Waste Removal (Closed-loop systems only)

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

☐ In-place Burial ☐ On-site Trench 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

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Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19 15 17 13.D NMAC)

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

Disposal Facility Name _____ Disposal Facility Permit 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

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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): Holly C. Perkins Title: EH & S SPECIALIST

Signature _____ Date 3/2/2009

e-mail address holly.perkins@williams.com Telephone 505-634-4219

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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: 4-6-2009

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

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

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

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

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

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

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

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

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

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

On-site Closure Location Latitude 36.534455 Longitude -107.180042 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: 4/5/09

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

Meador, Tasha

From: johnny@adobecontractorsinc.com
Sent: Monday, April 06, 2009 9 32 AM
To: Brandon Powell
Cc: Perkins, Holly (E&P), Meador, Tasha (E&P)
Subject: Williams clean-ups

Brandon,
We have finished the clean-up on the Jicarilla 92 #17A and have started the Jicarilla 92 #2A. We have also started the Cox Canyon #7C clean-up. Our next clean-up will be the Jicarilla 93 #15. We will start it later this week. 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

5/14/2009



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: JICARILLA 92 #017A
Latitude (DDD MM.MMM'): 36.534455
Longitude (DDD MM.MMM'): 107.180042
Unit Letter (1/4, 1/4): A
Section: 31
Township: T27N
Range: R03W
County: RIO ARRIBA
State: NEW MEXICO

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

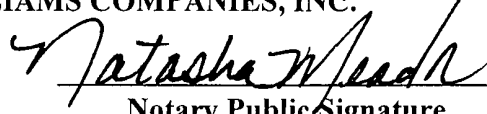
WILLIAMS COMPANIES, INC.


Michael K. Lane EH&S Specialist

5/26/09
Date

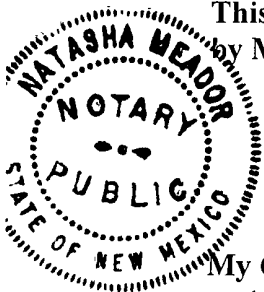
STATE OF NEW MEXICO
COUNTY OF SAN JUAN

This document was acknowledged before me on this 26 day of May 2009
by Michael K Lane, EH&S Specialist of WILLIAMS COMPANIES, INC.


Notary Public Signature

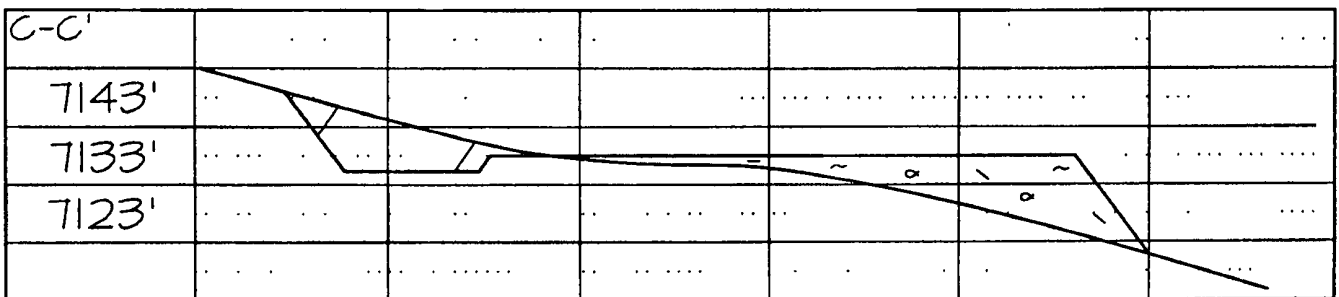
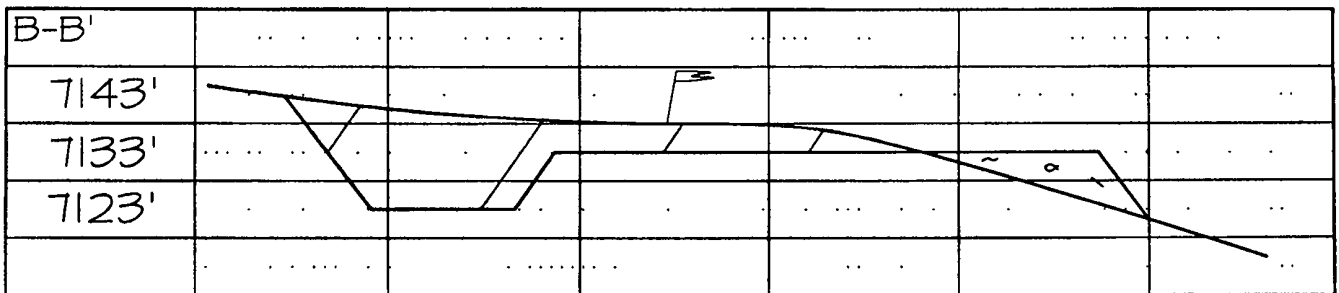
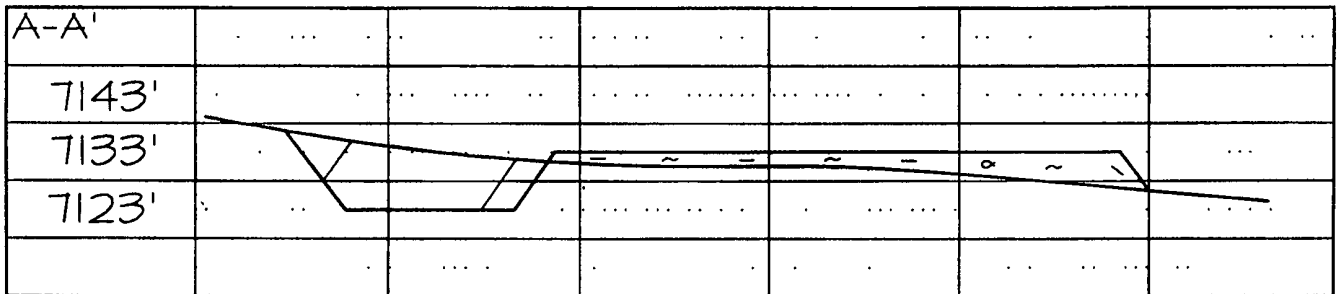
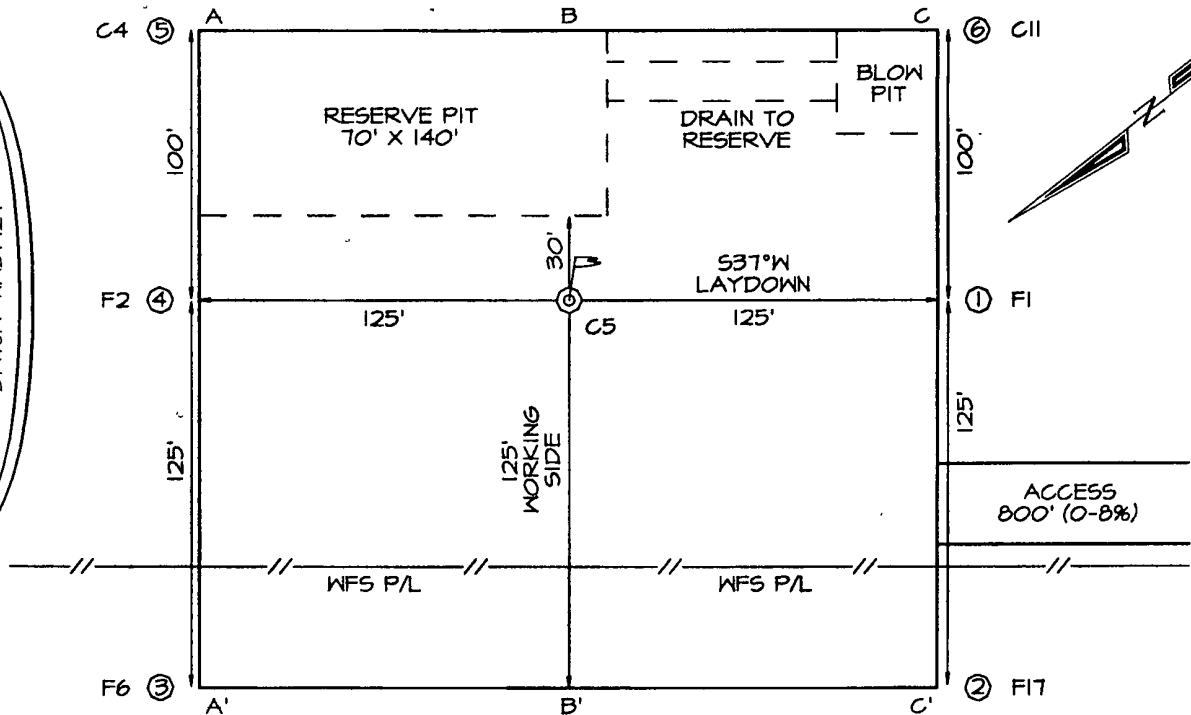
My Commission Expires
11/30/2011

NATASHA MEADOR
Notary Name Printed



WILLIAMS PRODUCTION COMPANY JICARILLA 92 #17A
 990' FNL & 920' FEL, SECTION 31, T27N, R3W, NMPM
 RIO ARriba COUNTY, NEW MEXICO ELEVATION: 7138'

LATITUDE: 36°32'04"
 LONGITUDE: 107°10'46"
 DATUM NAD1927





April 9, 2009

Williams Production
Mr. Myke Lane
P O. Box 640
Aztec, NM 87410

Phone: (505) 634-4219
Fax: (505) 634-4214
Client No.: 04108-003

Dear Mr. Lane,


Enclosed are the analytical results for the samples collected from the location designated as "Rosa 32B/Rosa 59GL/Jicarilla 92 #17A". Three soil samples were collected by Williams Production personnel 4/03/09 and were received by the Envirotech laboratory on 4/06/09 for BTEX per USEPA Method 8021, Total Petroleum Hydrocarbons (TPH) per USEPA Method 8015, Total Petroleum Hydrocarbons (TPH) per USEPA Method 418.1 and Chloride.

The samples were documented on Envirotech Chain of Custody No. 6760 and assigned Laboratory Nos. 49568 (Rosa 32B), 49569 (Rosa 59GL) and 49570 (Jicarilla 92 #17A) for tracking purposes.

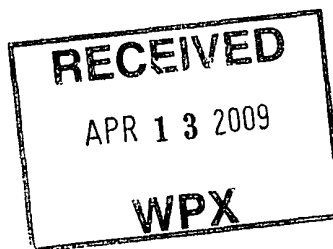
The samples were analyzed on 4/07/09 - 4/09/09 using USEPA or equivalent methods.

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

Respectfully submitted,
Envirotech, Inc.


Christine M. Walters
Laboratory Manager

enc.





envirotech
Analytical Laboratory

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

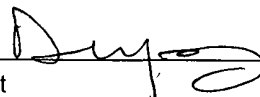
Client	Williams E & P	Project #	04108-0003
Sample ID	Jicarilla 92 #17A	Date Reported	04-08-09
Laboratory Number	49570	Date Sampled	04-03-09
Chain of Custody No	6760	Date Received	04-06-09
Sample Matrix	Soil	Date Extracted	04-07-09
Preservative		Date Analyzed	04-07-09
Condition	Intact	Analysis Requested	8015 TPH

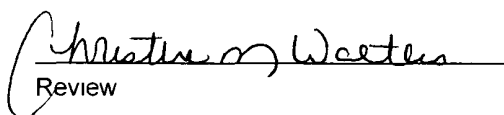
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.0	0.2
Diesel Range (C10 - C28)	6.5	0.1
Total Petroleum Hydrocarbons	8.5	0.2

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 Rosa 32B/Rosa 59GL/Jicarilla 92 #17A


Analyst


Review

Client	Williams E&P	Project #	04108-0003
Sample ID	Jicarilla 92 #17A	Date Reported	04-08-09
Laboratory Number	49570	Date Sampled	04-03-09
Chain of Custody	6760	Date Received	04-06-09
Sample Matrix	Soil	Date Analyzed	04-07-09
Preservative		Date Extracted	04-07-09
Condition	Intact	Analysis Requested	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	4.4	1.0
Ethylbenzene	1.7	1.0
p,m-Xylene	6.8	1.2
o-Xylene	2.9	0.9
Total BTEX	15.8	

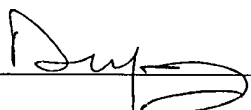
ND - Parameter not detected at the stated detection limit

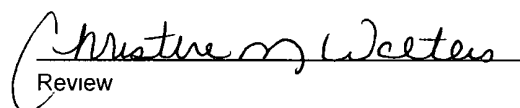
Surrogate Recoveries	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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

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

Comments: Rosa 32B/Rosa 59GL/Jicarilla 92 #17A

Analyst 

Review 



Client	Williams E&P	Project #.	04108-0003
Sample ID	Jicarilla 92 #17A	Date Reported:	04-08-09
Laboratory Number:	49570	Date Sampled	04-03-09
Chain of Custody No	6760	Date Received	04-06-09
Sample Matrix	Soil	Date Extracted:	04-07-09
Preservative		Date Analyzed.	04-07-09
Condition.	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	39.8	12.1

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:

Analyst

Review



Client	Williams E&P	Project #	04108-0003
Sample ID	Jicarilla 92 #17A	Date Reported.	04-09-09
Lab ID#	49570	Date Sampled	04-03-09
Sample Matrix	Soil	Date Received.	04-06-09
Preservative		Date Analyzed.	04-09-09
Condition	Intact	Chain of Custody	6760

Parameter	Concentration (mg/Kg)
Total Chloride	10

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:

Analyst

Review

Client	QA/QC	Project #	N/A
Sample ID	QA/QC	Date Reported:	04-08-09
Laboratory Number	04-07-TPH QA/QC 49564	Date Sampled	N/A
Sample Matrix	Freon-113	Date Analyzed:	04-07-09
Preservative	N/A	Date Extracted:	04-07-09
Condition	N/A	Analysis Needed	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
	04-06-09	04-07-09	1,510	1,590	5.3%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	12.1

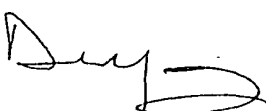
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
TPH	127	109	14.3%	+/- 30%

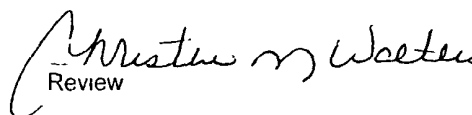
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	127	2,000	1,810	85.1%	80 - 120%

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 49564 - 49566 and 49568 - 49570.**

Analyst 


 Review



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Analytical Laboratory

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client	N/A	Project #	N/A
Sample ID	04-07-BT QA/QC	Date Reported	04-08-09
Laboratory Number	49550	Date Sampled	N/A
Sample Matrix	Soil	Date Received	N/A
Preservative	N/A	Date Analyzed	04-07-09
Condition	N/A	Analysis	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept Range 0 - 15%			
Benzene	7.3103E+006	7.3249E+006	0.2%	ND	0.1
Toluene	6.7260E+006	6.7394E+006	0.2%	ND	0.1
Ethylbenzene	5.7716E+006	5.7831E+006	0.2%	ND	0.1
p,m-Xylene	1.4794E+007	1.4823E+007	0.2%	ND	0.1
o-Xylene	5.4788E+006	5.4898E+006	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	68.6	67.5	1.6%	0 - 30%	0.9
Toluene	223	214	3.9%	0 - 30%	1.0
Ethylbenzene	260	251	3.7%	0 - 30%	1.0
p,m-Xylene	1,590	1,570	1.3%	0 - 30%	1.2
o-Xylene	261	254	2.6%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	68.6	50.0	114	96.1%	39 - 150
Toluene	223	50.0	260	95.4%	46 - 148
Ethylbenzene	260	50.0	302	97.2%	32 - 160
p,m-Xylene	1,590	100	1,670	98.8%	46 - 148
o-Xylene	261	50.0	307	98.9%	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 49550, 49551, 49561, 49562, 49564 - 49566, and 49568 - 49570.

Analyst

Review



envirotech

Analytical Laboratory

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client	QA/QC	Project #	N/A
Sample ID	04-07-09 QA/QC	Date Reported	04-08-09
Laboratory Number	49550	Date Sampled	N/A
Sample Matrix	Methylene Chloride	Date Received	N/A
Preservative	N/A	Date Analyzed	04-07-09
Condition	N/A	Analysis Requested	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	05-07-07	9 8989E+002	9 9029E+002	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1 0356E+003	1 0360E+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	63.8	60.3	5.5%	0 - 30%
Diesel Range C10 - C28	16.9	15.7	7.1%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	63.8	250	309	98.4%	75 - 125%
Diesel Range C10 - C28	16.9	250	261	97.8%	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 49550, 49551, 49561, 49562, 49564 - 49566, and 49568 - 49570.

Analyst

Review

CHAIN OF CUSTODY RECORD

6760

Client: Williams E+P			Project Name / Location: Rosa 32B / Rosa 59GL / Jicarilla 92#17A			ANALYSIS / PARAMETERS													
Client Address: 721 S. Main			Sampler Name:			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.: 04108-0003																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No /Volume of Containers	Preservative HgCl ₂ HCl													
Rosa 32B	4/3/09	—	49568	Soil Solid	Sludge Aqueous	402								X	X				
Rosa 59GL	4/3/09	—	49569	Soil Solid	Sludge Aqueous	402								X	X				
Jicarilla 92#17A	4/3/09	2:10pm	49570	Soil Solid	Sludge Aqueous	402								X	X				
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
Relinquished by: (Signature) <i>Wally C. Perkins</i>						Date	Time	Received by: (Signature) <i>[Signature]</i>						Date	Time				
Relinquished by: (Signature)								Received by: (Signature)											
Relinquished by: (Signature)								Received by: (Signature)											

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

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Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jicarilla 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 (liquid level 2 vertical 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: HARMON COCKRELL		
Printed Name: HARMON COCKRELL		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 01/17/2009 Phone: (505) 486-1935		

Record Retention. Submit with Closure
File. EH&S

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San Juan Basin Operations
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Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jicarilla 92 #17-A	API #: 30-039-29918
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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: HARMON COCKRELL		
Printed Name: HARMON COCKRELL		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 01/18/2009 Phone: (505) 486-1935		

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Temporary Pit Inspection

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Comments:		
Inspector Signature: HARMON COCKRELL		
Printed Name: HARMON COCKRELL		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 01/19/2009 Phone: (505) 486-1935		

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Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jicarilla 92 #17-A	API #: 30-039-29918
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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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Flare Pit free of liquids	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable	

Comments:

Inspector Signature: HARMON COCKRELL
Printed Name: HARMON COCKRELL
Title: DRILLING CONSULTANT (T.D.C.I.)
Date: 01/20/2009 Phone: (505) 486-1935

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Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jicarilla 92 #17-A	API #: 30-039-29918
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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: HARMON COCKRELL		
Printed Name: HARMON COCKRELL		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 01/21/2009 Phone: (505) 486-1935		

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Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jicarilla 92 #17-A	API #: 30-039-29918
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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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Flare Pit free of liquids	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable	
Comments:		
Inspector Signature: WELDON HIGGINS		
Printed Name:		
Title: DRILLING CONSULTANT MVCI		
Date: 02/19/2009 Phone: (505) 486-1935		

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Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jicarilla 92 #17-A	API #: 30-039-29918
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Comments:		
Inspector Signature: WELDON HIGGINS		
Printed Name.		
Title. DRILLING CONSULTANT MVCI		
Date: 02/02/2009 Phone: (505) 486-1935		

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Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jicarilla 92 #17-A	API #: 30-039-29918
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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: WELDON HIGGINS		
Printed Name:		
Title: DRILLING CONSULTANT MVCI		
Date: 02/03/2009 Phone: (505) 486-1935		

Record Retention: Submit with Closure
File: EH&S

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Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jicarilla 92 #17-A	API #: 30-039-29918
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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 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 (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: WELDON HIGGINS

Printed Name:

Title: DRILLING CONSULTANT MVCI

Date: 02/04/2009	Phone: (505) 486-1935
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Record Retention: Submit with Closure
File EH&S

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San Juan Basin Operations
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Aztec, NM 87410
505-634-4200 / 505-634-4205 fax



Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jicarilla 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 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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Flare Pit free of liquids	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable	

Comments:	
Inspector Signature: WELDON HIGGINS	
Printed Name:	
Title: DRILLING CONSULTANT MVCI	
Date: 02/05/2009	Phone: (505) 486-1935

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: Jicarilla 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 (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: WELDON HIGGINS		
Printed Name:		
Title: DRILLING CONSULTANT MVCI		
Date: 02/06/2009 Phone: (505) 486-1935		

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: Jicarilla 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 (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: WELDON HIGGINS		
Printed Name:		
Title: DRILLING CONSULTANT MVCI		
Date: 02/07/2009 Phone: (505) 486-1935		

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: Jicarilla 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 (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: WELDON HIGGINS		
Printed Name:		
Title, DRILLING CONSULTANT MVCI		
Date: 02/08/2009 Phone: (505) 486-1935		

Record Retention: Submit with Closure
File: EH&S

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



Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jicarilla 92 #17-A

API #: 30-039-29918

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 (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: WELDON HIGGINS		
Printed Name:		
Title: DRILLING CONSULTANT MVCI		
Date: 02/09/2009 Phone: (505) 486-1935		

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: Jicarilla 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 (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: WELDON HIGGINS		
Printed Name:		
Title DRILLING CONSULTANT MVCI		
Date: 02/10/2009 Phone: (505) 486-1935		

Record Retention: Submit with Closure
File. EH&S

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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 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 (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: WELDON HIGGINS		
Printed Name:		
Title: DRILLING CONSULTANT MVCI		
Date: 02/11/2009 Phone: (505) 486-1935		

Record Retention: Submit with Closure
File: EH&S

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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 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 (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: WELDON HIGGINS		
Printed Name:		
Title: DRILLING CONSULTANT MVCI		
Date: 02/12/2009 Phone: (505) 486-1935		

Record Retention: Submit with Closure
File EH&S

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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 92 #17-A	API #: 30-039-29918
--	----------------------------

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 (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: WELDON HIGGINS		
Printed Name:		
Title: DRILLING CONSULTANT MVCI		
Date: 02/13/2009 Phone: (505) 486-1935		

Record Retention. Submit with Closure
File: EH&S

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



Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jicarilla 92 #17-A

API #: 30-039-29918

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 (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: WELDON HIGGINS		
Printed Name:		
Title: DRILLING CONSULTANT MVCI		
Date: 02/14/2009 Phone: (505) 486-1935		

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: Jicarilla 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 (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: WELDON HIGGINS		
Printed Name:		
Title: DRILLING CONSULTANT MVCI		
Date: 02/15/2009 Phone: (505) 486-1935		

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: Jicarilla 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 (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: WELDON HIGGINS		
Printed Name:		
Title: DRILLING CONSULTANT MVCI		
Date: 02/16/2009 Phone: (505) 486-1935		

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: Jicarilla 92 #17-A	API #: 30-039-29918
--	----------------------------

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 (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: WELDON HIGGINS		
Printed Name:		
Title: DRILLING CONSULTANT MVCI		
Date: 02/17/2009 Phone: (505) 486-1935		

Record Retention: Submit with Closure
File: EH&S

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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 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 (liquid level 2 vertical 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: HARMON COCKRELL		
Printed Name: HARMON COCKRELL		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 01/07/2009 Phone: (505) 486-1935		

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: Jicarilla 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 (liquid level 2 vertical 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: HARMON COCKRELL		
Printed Name: HARMON COCKRELL		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 01/08/2009 Phone: (505) 486-1935		

Record Retention: Submit with Closure
File. EH&S

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



Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jicarilla 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 (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: HARMON COCKRELL		
Printed Name: HARMON COCKRELL		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 01/09/2009 Phone: (505) 486-1935		

Record Retention: Submit with Closure
File. EH&S

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Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jicarilla 92 #17-A	API #: 30-039-29918
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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 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 (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: HARMON COCKRELL		
Printed Name: HARMON COCKRELL		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 01/10/2009 Phone: (505) 486-1935		

Record Retention. Submit with Closure
File: EH&S

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505-634-4200 / 505-634-4205 fax



Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jicarilla 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 (liquid level 2 vertical 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: HARMON COCKRELL		
Printed Name: HARMON COCKRELL		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 01/11/2009 Phone: (505) 486-1935		

Record Retention: Submit with Closure
File EH&S

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Aztec, NM 87410
505-634-4200 / 505-634-4205 fax



Temporary Pit Inspection

FACILITY INFORMATION

Facility Name: Jicarilla 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 (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: HARMON COCKRELL
Printed Name: HARMON COCKRELL
Title: DRILLING CONSULTANT (T.D.C.I.)
Date: 01/12/2009 Phone: (505) 486-1935

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: Jicarilla 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 (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: HARMON COCKRELL		
Printed Name: HARMON COCKRELL		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 01/13/2009 Phone: (505) 486-1935		

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: Jicarilla 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 (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: HARMON COCKRELL		
Printed Name: HARMON COCKRELL		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 01/14/2009 Phone: (505) 486-1935		

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: Jicarilla 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 (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: HARMON COCKRELL		
Printed Name: HARMON COCKRELL		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 01/15/2009 Phone: (505) 486-1935		

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: Jicarilla 92 #17-A	API #: 30-039-29918
-----------------------------------	---------------------

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 (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: HARMON COCKRELL		
Printed Name: HARMON COCKRELL		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 01/16/2009 Phone: (505) 486-1935		

Record Retention. Submit with Closure
File: EH&S

CLOSURE REPORT ATTACHMENTS

- 1 Date & How free standing liquids removed in following manner: 2/25/2009
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: 2/19/2009
Pit covered on following date: 4/6/2009
Reseeding started/scheduled for following date: Spring Fall 2009
- 6 Pit liner removed on following date: 4/4/2009
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: 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).
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 NMOCDC when area 1st seeded  4/4/09
Seed Mix Used: Seed mix specified in Condition of Approval
- 12 Date pit was covered: 4/6/2009

CLOSURE REPORT ATTACHMENTS

Date 1st seeding took place: Fall or spring following covering of pit

Date 2nd seeding took place: Fall or 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: ~~11/15/2008~~ PENDING CMP. 5/20/14

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

Type of marker used: (check one) X Post Plate

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

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. ~~11/15/2008~~ N/A

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

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	1 OIL WELL	<input checked="" type="checkbox"/> GAS WELL	2 DRY	3 OTHER		
b	TYPE OF COMPLETION	<input checked="" type="checkbox"/> NEW WELL	4 WORKOVER	5 DEEPEN	6 PLUG BACK	7 DIFF RESVR	8 OTHER
2	NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY						8 FARM OR LEASE NAME, WELL NO Jicarilla "92" #17A
3	ADDRESS AND TELEPHONE NO P O Box 640, Aztec, NM 87410 (505) 634-4208						9 API WELL NO 30-039-29918
4	LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At Surface 990' FNL & 920' FEL, Sec 31 (A), T27N, R3W At top production interval reported below Same At total depth Same						10 FIELD AND POOL, OR WILDCAT Blanco Mesa Verde
						11 SEC, T, R, M, OR BLOCK AND SURVEY OR AREA Sec 31, T27N, R3W	
						12 COUNTY OR Rio Arriba	13 STATE New Mexico
15 DATE SPUDDED 1-7-09	16 DATE T D REACHED 1-19-09	17 DATE COMPLETED (READY TO PRODUCE) 2-18-09		18 ELEVATIONS (DK, RKB, RT, GR, EIC)* 7138' GR		19 ELEVATION CASINGHEAD	
20 TOTAL DEPTH, MD & TVD 6527' MD		21 PLUG, BACK T D, MD & TVD 6498' MD		22 IF MULTICOMP, HOW MANY	23 INTERVALS DRILLED BY	ROTARY TOOLS x	CABLE TOOLS
24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Blanco Mesa Verde 5449' - 6384'						25 WAS DIRECTIONAL SURVEY MADE YES	
26 TYPE ELECTRIC AND OTHER LOGS RUN Array Induction, Gamma Ray-Density-Neutron, Compensated Dual Neutron						27 WAS WELL CORED NO	

28 CASING REPORT (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8", K-55	36 0#	344'	12-1/4"	200 SX - SURFACE	
7", K-55	23 0#	4294'	8-3/4"	550 SX - SURFACE	
29 LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30 TUBING RECORD
4-1/2", K-55, 11 6#	4119'	6516'	165 SX - 4286' (CBL)		SIZE 2-3/8", 4 7# J-55 DEPTH SET (MD) 6385' PACKER SET (MD)
31 PERFORATION RECORD (Interval, size, and number)			32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC		
			DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	
<u>CH/MEN</u> 5449'-5932' Total of 56, 0 34" holes			5449' - 5932' CH/MEN	Fraced with 656# 1 0 20/40 brown sand followed with 7260# Mono Prop 05#, 10#, 15#, 20# followed by 1175# 1 0 20/40 brown sand	
<u>PLO</u> 5984'-6384', Total of 57, 0 34" holes			5984' - 6384' PLO	Fraced with 1403# 1 0 20/40 brown sand followed with 5000# Mono Prop 05#, 10#, 15#, 20# followed by 2081# 1 0 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 2-16-09	TESTED 1 0 hrs	CHOKE SIZE 2"	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
FLOW TBG PRESS 0 oz	CASING PRESSURE 7 lb	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF 1644 p/day	WATER - BBL	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
------------------------	---

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

SIGNED _____ TITLE Drlg COM DATE 2-23-09



04.08.2009

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, LLC	Contact Myke Lane
Address P.O. BOX 640, AZTEC, NM 87410	Telephone No. (505) 634-4219
Facility Name Jicarilla 92 #17A	Facility Type Well Site

Surface Owner Federal	Mineral Owner	Lease No.
-----------------------	---------------	-----------

LOCATION OF RELEASE

Unit Letter A	Section 31	Township 27N	Range 03W	Feet from the	North/South Line	Feet from the	East/West Line	County
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	--------

Latitude 36 534455 Longitude -107.180042

NATURE OF RELEASE

Type of Release No Release Detected NA	Volume of Release NA	Volume Recovered NA
Source of Release NA	Date and Hour of Occurrence	Date and Hour of Discovery NA
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? NA	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse NA	

If a Watercourse was Impacted, Describe Fully *
NA

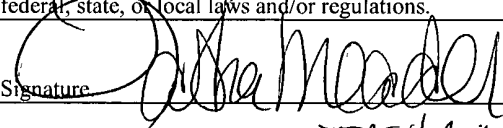
Describe Cause of Problem and Remedial Action Taken.*

NA

Describe Area Affected and Cleanup Action Taken *

NA

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 TASHA MEADOR		Approved by District Supervisor:	
Title. EH&S Specialist		Approval Date:	Expiration Date:
E-mail Address: myke.lane@williams.com		Conditions of Approval:	
Date. 1/25/10 Phone: (505) 634-4219		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary



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

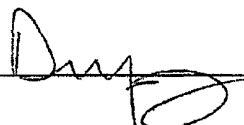
Client:	WPX	Project #:	04108-0003
Sample ID:	Blow Pit	Date Reported:	12-15-09
Laboratory Number:	52669	Date Sampled:	12-10-09
Chain of Custody No:	8467	Date Received:	12-11-09
Sample Matrix:	Soil	Date Extracted:	12-11-09
Preservative:	Cool	Date Analyzed:	12-14-09
Condition:	Intact	Analysis Requested:	8015 TPH

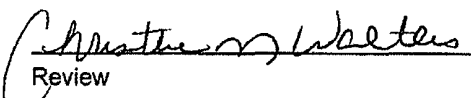
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	7.7	0.1
Total Petroleum Hydrocarbons	7.7	0.2

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 92 #17A.**


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

	LCal Date	LCal RF	GC 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%

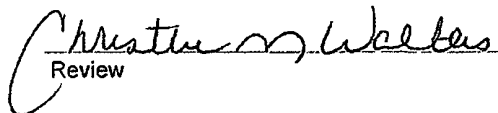
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	18.1	250	264	98.5%	75 - 125%
Diesel Range C10 - C28	14.5	250	258	97.4%	75 - 125%

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:	52669	Date Sampled:	12-10-09
Chain of Custody:	8467	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 (ug/Kg)	Det. Limit (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	93.1 %
	1,4-difluorobenzene	97.0 %
	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: Jicarilla 92 #17A.

Analyst

Review

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 Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept Range 0 - 15%			
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

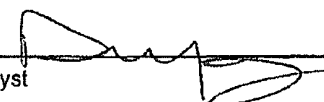
Duplicate Conc (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	2.4	2.2	8.3%	0 - 30%	0.9
Toluene	17.9	17.4	2.8%	0 - 30%	1.0
Ethylbenzene	9.6	9.4	2.1%	0 - 30%	1.0
p,m-Xylene	264	258	2.1%	0 - 30%	1.2
o-Xylene	118	112	5.3%	0 - 30%	0.9

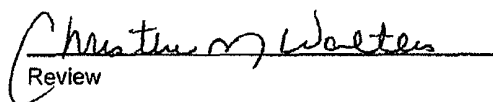
Spike Conc (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	2.4	50.0	50.4	96.2%	39 - 150
Toluene	17.9	50.0	64.9	95.6%	46 - 148
Ethylbenzene	9.6	50.0	54.6	91.6%	32 - 160
p,m-Xylene	264	100	355	97.7%	46 - 148
o-Xylene	118	50.0	164	97.5%	46 - 148

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 



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	WPX	Project #:	04108-0003
Sample ID:	Blow Pit	Date Reported:	12-15-09
Laboratory Number:	52669	Date Sampled:	12-10-09
Chain of Custody No:	8467	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 (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	89.9	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 92 #17A

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



Chloride

Client: WPX
Sample ID: Blow Pit
Lab ID#: 52669
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #: 04108-0003
Date Reported: 12-15-09
Date Sampled: 12-10-09
Date Received: 12-11-09
Date Analyzed: 12-15-09
Chain of Custody: 8467

Parameter

Concentration (mg/Kg)

Total Chloride

110

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 92 #17A**

Analyst

Review

CHAIN OF CUSTODY RECORD

8467

Client: <u>W.P.X.</u>			Project Name / Location: <u>Jicarilla 92 # 17A</u>			ANALYSIS / PARAMETERS																	
Client Address: <u>Mykie Lane</u>			Sampler Name: <u>Genn Shelby</u>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	ICl	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			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	ICl	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
<u>Blow pit</u>	<u>12/14/09</u>	<u>11:40 Am</u>	<u>52669</u>	<u>Soil Solid</u>	<u>1</u>				<u>X</u>	<u>X</u>								<u>X</u>	<u>X</u>			<u>Y</u>	<u>Y</u>
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
Relinquished by: (Signature) <u>Genn Shelby</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)																



envirotech
Analytical Laboratory

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

WILLIAMS PROD

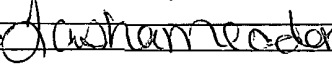
Inc. No 92-171

UNIT A SET 31

T27N RBW

IN PLACE BURIAL

12.16.2009

Submit To Appropriate District Office Two Copies - District I 1625 N French Dr., Hobbs, NM 88240 District II 1301 W Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S St Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 July 17, 2008				
		1. WELL API NO		30-039-29918						
		2 Type of Lease		<input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> FED/INDIAN						
		3 State Oil & Gas Lease No		Jicarilla Contract #92						
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4 Reason for filing				5 Lease Name or Unit Agreement Name						
<input type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only)				Jicarilla Apache Nation						
<input checked="" type="checkbox"/> C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33, attach this and the plat to the C-144 closure report in accordance with 19 15 17 13 K NMAC)				6 Well Number						
				Jicarilla 92 #17A						
7 Type of Completion										
<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				9 OGRID						
WILLIAMS PRODUCTION, LLC				120782						
10 Address of Operator				11 Pool name or Wildcat						
P O BOX 640 AZTEC, NM 87410										
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:										
BH:										
13 Date Spudded	14 Date T D Reached		15 Date Rig Released		16 Date Completed (Ready to Produce)		17 Elevations (DF and RKB, RT, GR, etc)			
			2/19/2009							
18 Total Measured Depth of Well		19 Plug Back Measured Depth		20 Was Directional Survey Made?		21 Type Electric and Other Logs Run				
22 Producing Interval(s), of this completion - Top, Bottom, Name										
23 CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB /FT		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
24. LINER RECORD						25 TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET	
26 Perforation record (interval, size, and number)						27 ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
28 PRODUCTION										
Date First Production		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>)				Well Status (<i>Prod or Shut-in</i>)				
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl	Gas - Oil Ratio			
Flow Tubing Press	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - (<i>Corr</i>)				
29 Disposition of Gas (<i>Sold, used for fuel, vented, etc</i>)							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 534455 Longitude -107 180042 NAD 1927 X 1983										
<i>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</i>										
Signature 			Printed Name		Title		EH&S SPECIALIST		Date	
E-mail Address.										

WILLIAMS PRODUCTION
TEMP PIT CLOSURE REPORT ADDENDUM
ROSA UNIT Jicarilla 92 17A

Req #

- 1 Date & How free standing liquids removed in following manner: 3/4/2009
Liquids removed by vacuum truck and hauled to Basin Disposal, Permit # NM 01-0005
-
- 3 Return receipt sent & received from surface owner:
Williams notified the SMA of its intent to use a temporary pit and onsite burial in the Surface Use Plan in the well APD. The SMA was notified by email see attached. No return receipt required per BLM:FFO/NMOCD MOU dated 5/4/09.
-
- 4 Rig off location on following date: 2/19/2009
Pit covered on following date: 4/1/2009
Reseeding started/scheduled for following date:
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: 3/23/2009
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 per Adobe on the order of 2.7:1 to 3:1 and varied during closure depending on the initial moisture content of the mud and drill solids.
-
- 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.
-

ROSA UNIT Jicarilla 92 17A

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 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:

4/1/2009

Revegetation and restoration completion

See item 11 and refer to MOU.

13 Company setting steel marker on site:

Adobe Construction

Date marker set:

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, Jicarillo 92#17A, Unit A, S31, 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

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Permit # 3615

Form C-102

Revised February 21, 1994

Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

RCVD JUN 7 '12

WELL LOCATION AND ACREAGE DEDICATION PLAT OIL CONS. DIV.

*API Number 030-039-29918		*Pool Code 72319	*Pool Name BLANCO MESAVERDE	DIST. 3
*Property Code	*Property Name JICARILLA 92			*Well Number 17A
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY			*Elevation 7138'

¹⁰ Surface Location

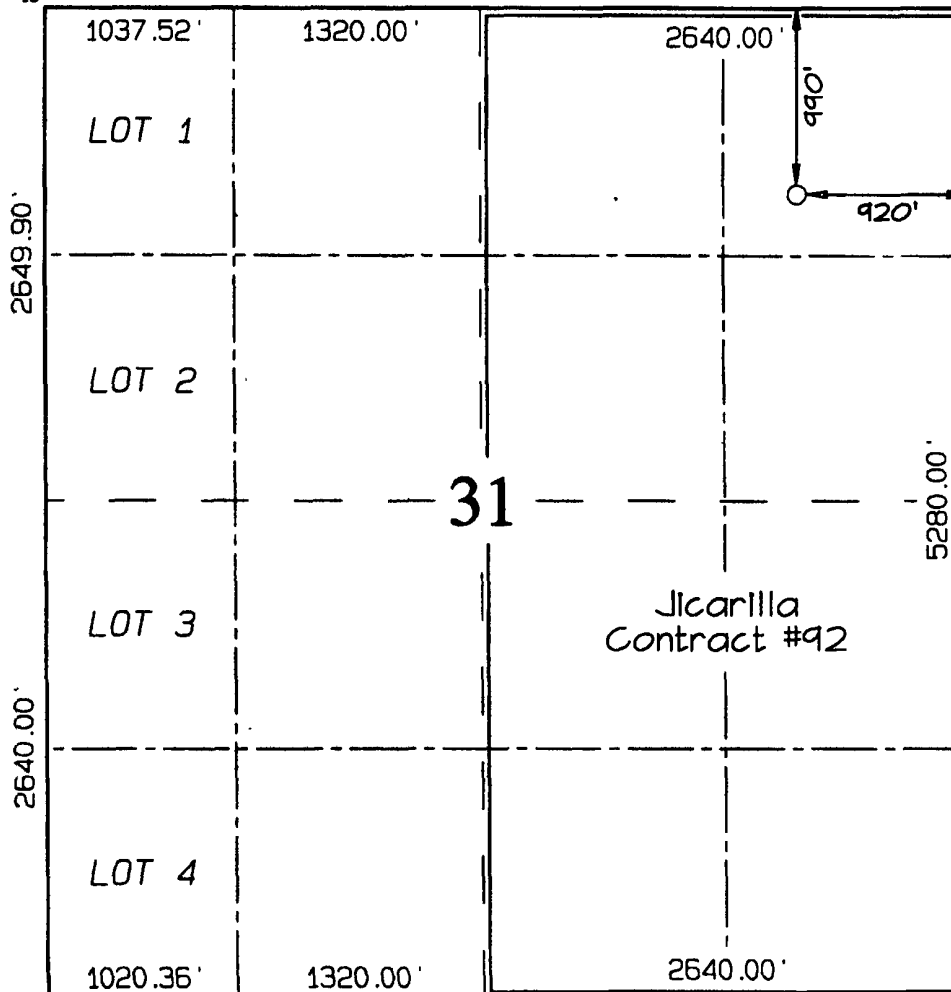
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	31	27N	3W		990	NORTH	920	EAST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 320.0 Acres - (E/2)					¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

16



¹⁷ OPERATOR CERTIFICATION

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

Signature

Printed Name

Title

Date

¹⁸ SURVEYOR CERTIFICATION

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

Date of Survey: MARCH 14, 2005

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269