

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1307 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.

1724

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

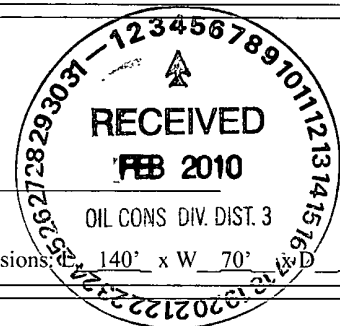
- Type of action: ☐ Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
☒ Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method
☐ Modification to an existing permit
☐ Closure plan only submitted for an existing permitted or non-permitted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

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

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

1. Operator: Williams Operating Co, LLC OGRID #: 120782
Address: PO Box 640 / 721 S Main Aztec, NM 87410
Facility or well name: Rosa Unit #257A
API Number: 3003930390 OCD Permit Number: _____
U/L or Qtr/Qtr C Section 27 Township 31N Range 5W County: Rio Arriba
Center of Proposed Design: Latitude 36.87428N Longitude -107.35220W 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: 20,000 bbl Dimensions: 140' x 70' x 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: _____ bbl Type of fluid: _____
Tank Construction material: _____
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other _____
Liner type: Thickness _____ mil ☐ HDPE ☐ PVC ☐ Other _____

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

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 _____ Per BLM APD Stipulations _____

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	☐ Yes ☒ No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☒ No ☐ 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	☐ Yes ☐ No ☒ 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	☐ 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

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

16.

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

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

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

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

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

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

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

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

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

17.

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

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

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

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

☐ Yes ☒ No
☐ NA

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

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

☐ Yes ☒ No
☐ NA

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

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

☒ Yes ☐ No
☐ NA

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

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

☐ Yes ☒ No

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

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

☐ Yes ☒ No

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

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

☐ Yes ☒ No

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

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

☐ Yes ☒ No

Within 500 feet of a wetland.

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

☐ Yes ☒ No

Within the area overlying a subsurface mine.

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

☐ Yes ☒ No

Within an unstable area.

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

☐ Yes ☒ No

Within a 100-year floodplain.

- FEMA map

☐ Yes ☒ No

18.

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

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

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

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

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

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

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

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

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

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

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

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

19.

Operator Application Certification:

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

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

Signature: _____ Date: _____

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

20.

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

OCD Representative Signature: Jonathan D. Kelly Approval Date: 6/08/2012
Deputy Oil & Gas Inspector,

Title: 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: 4-27-09

22.

Closure Method:

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

23.

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

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

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

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

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

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

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

24.

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

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

On-site Closure Location: Latitude 36.87428N Longitude -107.35220W 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: 7/14/09

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

Lane, Myke (E&P)

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

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

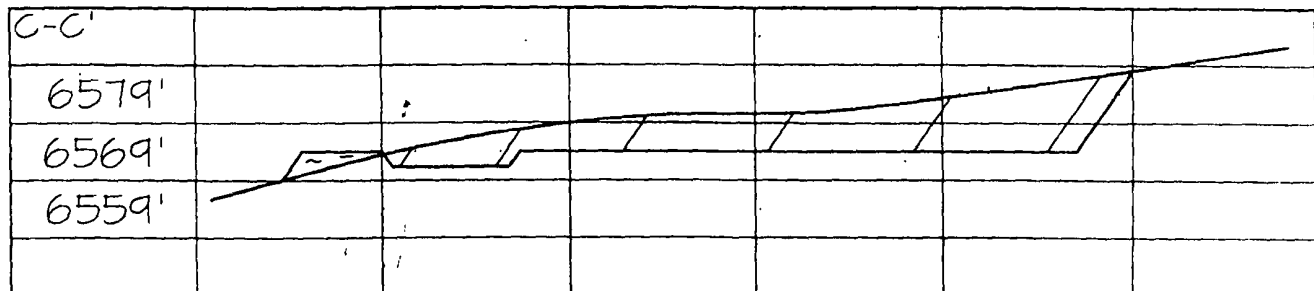
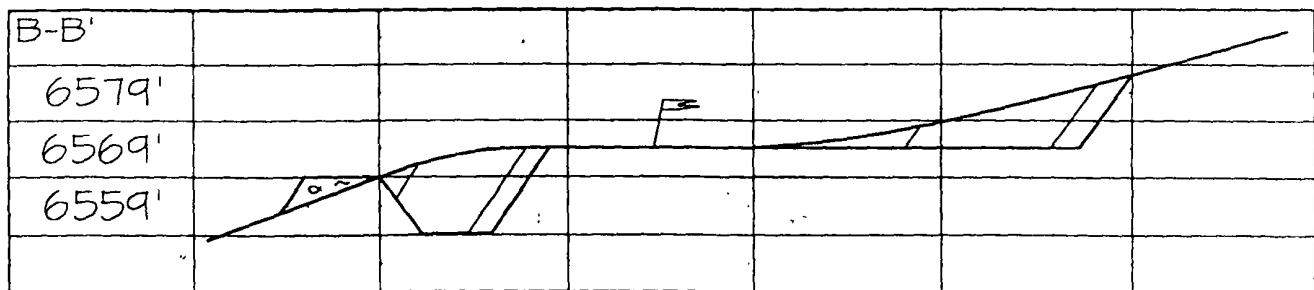
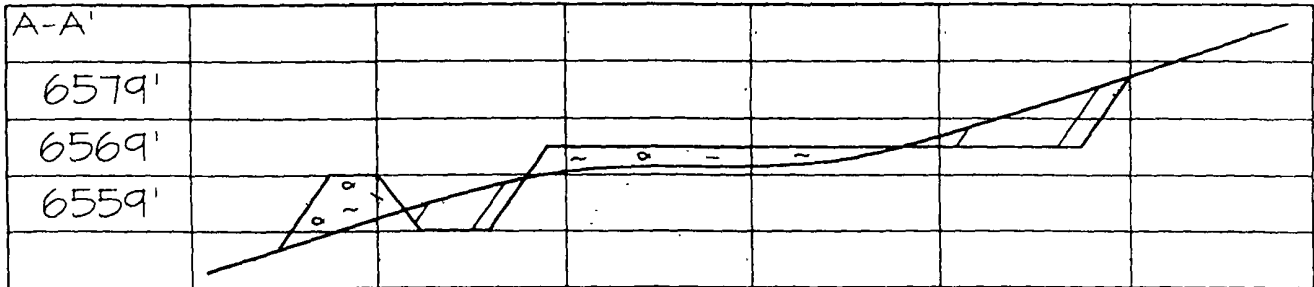
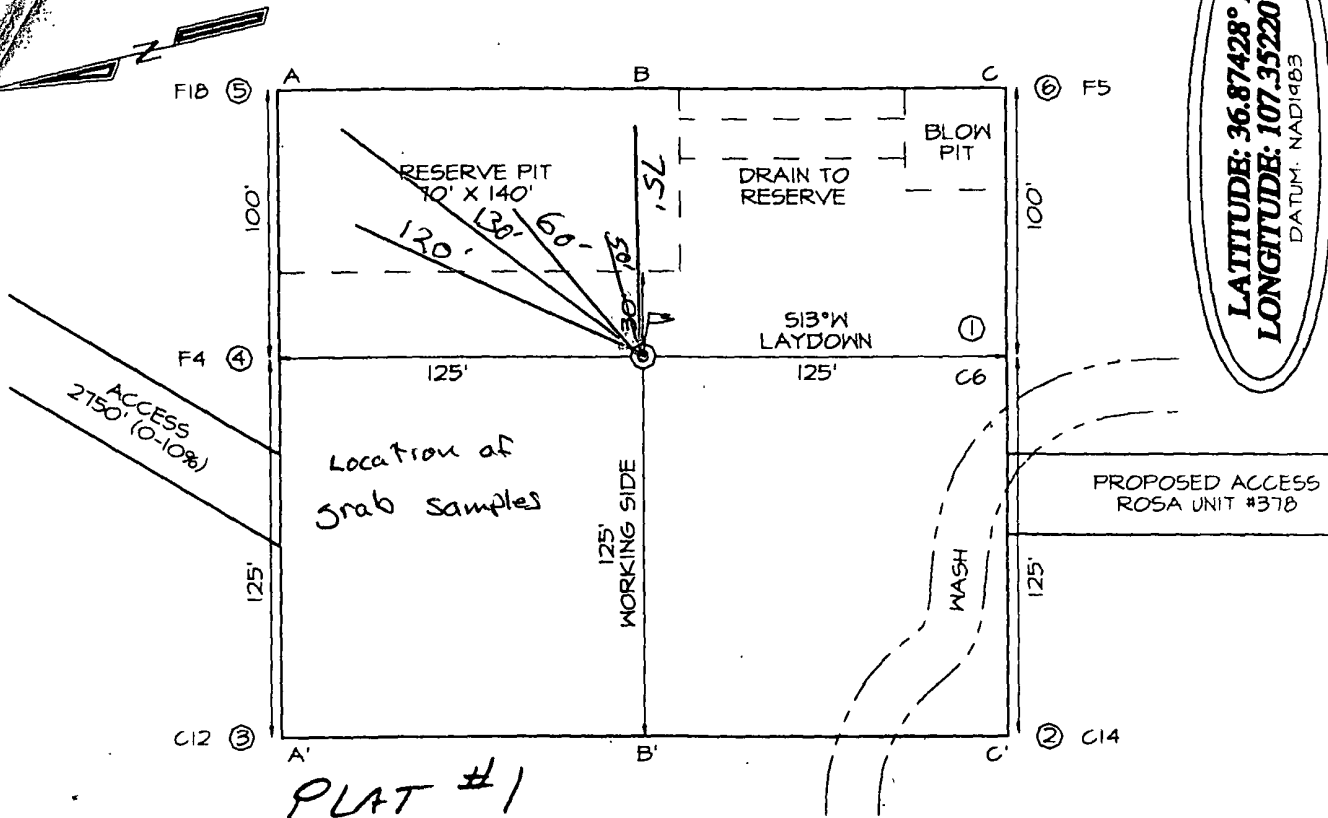
Thanks,

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

4/24/2009

WILLIAMS PRODUCTION COMPANY ROSA UNIT #257A
1285' FNL & 1890' FWL, SECTION 27, T31N, R5W, NMPM
RIO ARriba COUNTY, NEW MEXICO ELEVATION: 6569'

LATITUDE: 36.87428° N
LONGITUDE: 107.35220° W
 DATUM: NAD1983





EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

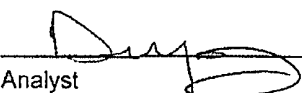
Client:	Williams	Project #:	04108-0003
Sample ID:	Rosa 257A	Date Reported:	05-12-09
Laboratory Number:	49957	Date Sampled:	05-04-09
Chain of Custody No:	7015	Date Received:	05-07-09
Sample Matrix:	Soil	Date Extracted:	05-08-09
Preservative:		Date Analyzed:	05-11-09
Condition:	Intact	Analysis Requested:	8015 TPH

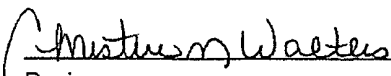
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	8.6	0.1
Total Petroleum Hydrocarbons	8.6	0.2

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 257A


Analyst


Review



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	05-11-09 QA/QC	Date Reported:	05-12-09
Laboratory Number:	49938	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-11-09
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	9.6282E+002	9.6321E+002	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.1503E+002	9.1539E+002	0.04%	0 - 15%

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

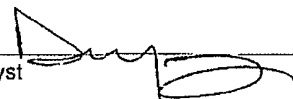
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

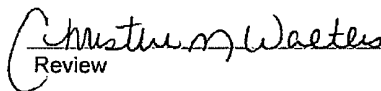
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	246	98.4%	75 - 125%
Diesel Range C10 - C28	ND	250	247	98.8%	75 - 125%

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 49938, 49940 - 49941, 49955 - 49957, 49960, and 50004 - 50005.

Analyst 


Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Williams	Project #:	04108-0003
Sample ID:	Rosa 257A	Date Reported:	05-12-09
Laboratory Number:	49957	Date Sampled:	05-04-09
Chain of Custody:	7015	Date Received:	05-07-09
Sample Matrix:	Soil	Date Analyzed:	05-11-09
Preservative:		Date Extracted:	05-08-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1.0	0.9
Toluene	1.4	1.0
Ethylbenzene	1.6	1.0
p,m-Xylene	3.4	1.2
o-Xylene	2.2	0.9
Total BTEX	9.6	

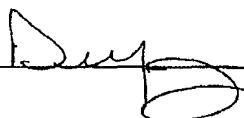
ND - Parameter not detected at the stated detection limit.

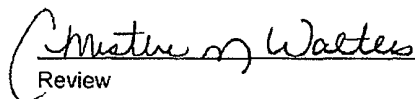
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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

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

Comments: Rosa 257A


Analyst


Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	05-11-BT QA/QC	Date Reported:	05-12-09
Laboratory Number:	49938	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-11-09
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	LOCal/RF	LOCal/RF	%Diff	Blank Conc	Detect Limit
		Accept Range 0 - 15%			
Benzene	7.0304E+006	7.0445E+006	0.2%	ND	0.1
Toluene	6.4701E+006	6.4830E+006	0.2%	ND	0.1
Ethylbenzene	5.5837E+006	5.5949E+006	0.2%	ND	0.1
p,m-Xylene	1.4540E+007	1.4569E+007	0.2%	ND	0.1
o-Xylene	5.3861E+006	5.3969E+006	0.2%	ND	0.1

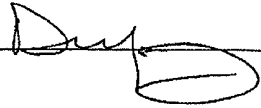
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	1.1	1.0	9.1%	0 - 30%	0.9
Toluene	4.5	4.4	2.2%	0 - 30%	1.0
Ethylbenzene	7.2	7.0	2.8%	0 - 30%	1.0
p,m-Xylene	15.7	14.6	7.0%	0 - 30%	1.2
o-Xylene	9.4	9.1	3.2%	0 - 30%	0.9

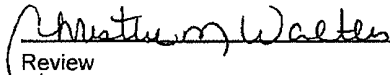
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	1.1	50.0	49.8	97.5%	39 - 150
Toluene	4.5	50.0	52.1	95.6%	46 - 148
Ethylbenzene	7.2	50.0	52.8	92.3%	32 - 160
p,m-Xylene	15.7	100	111	96.3%	46 - 148
o-Xylene	9.4	50.0	58.0	97.6%	46 - 148

ND - Parameter not detected at the stated detection limit.

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

Comments: QA/QC for Samples 49938, 49940 - 49941, 49955 - 49957, 49960, 49969, 50004 and 50005.

Analyst 

Review 



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Williams	Project #:	04108-0003
Sample ID:	Rosa 257A	Date Reported:	05-12-09
Laboratory Number:	49957	Date Sampled:	05-04-09
Chain of Custody No:	7015	Date Received:	05-07-09
Sample Matrix:	Soil	Date Extracted:	05-07-09
Preservative:	Cool	Date Analyzed:	05-07-09
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	18.1	9.7

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: Rosa 257A.

Analyst

Review



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	05-11-09
Laboratory Number:	05-06-TPH.QA/QC 49938	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	05-07-09
Preservative:	N/A	Date Extracted:	05-07-09
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	05-01-09	05-07-09	1,618	1,750	8.1%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	9.7

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	31.0	34.9	12.6%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	31.0	2,000	1,940	95.5%	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 49938, 49940, 49941, 49944 - 49945 and 49955 - 49957.

Analyst

Review



Chloride

Client:	Williams	Project #:	04108-0003
Sample ID:	Rosa 257A	Date Reported:	05-12-09
Lab ID#:	49957	Date Sampled:	05-04-09
Sample Matrix:	Soil	Date Received:	05-07-09
Preservative:	Cool	Date Analyzed:	05-08-09
Condition:	Intact	Chain of Custody:	7015

Parameter	Concentration (mg/Kg)
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Total Chloride	13.3
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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: Rosa 257A

Analyst

Review

CHAIN OF CUSTODY RECORD

7015

Client: <i>Williams</i>			Project Name / Location: <i>ROSA 257A</i>				ANALYSIS / PARAMETERS														
Client Address: <i>221 Smain Ave</i>			Sampler Name:				TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	Pb	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
Client Phone No.: <i>634-4219</i>			Client No.: <i>04108-0003</i>																		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative H ₂ O ₂ HCl															
<i>ROSA 257A</i>	<i>5-4-09</i>	<i>10:45A</i>	<i>49957</i>	<i>Soil Solid</i>	<i>Sludge Aqueous</i>	<i>(1) 4oz</i>														<i>✓</i>	
				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) <i>[Signature]</i>				Date <i>5-7-09</i>	Time <i>15:00</i>	Received by: (Signature) <i>[Signature]</i>				Date <i>5/7/09</i>	Time <i>15:00</i>										
Relinquished by: (Signature)						Received by: (Signature)															
Relinquished by: (Signature)						Received by: (Signature)															



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



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: ROSA #257A
Latitude (DDD MM.MMM'): 36.87428
Longitude (DDD MM.MMM'): 107.35220
Unit Letter (1/4, 1/4): C
Section: 27
Township: T31N
Range: R05W
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

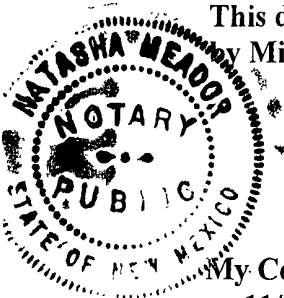
STATE OF NEW MEXICO
COUNTY OF SAN JUAN

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



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

1a. TYPE OF WELL ☐ OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER						5 LEASE DESIGNATION AND LEASE NO. NMSF-078770	
b. TYPE OF COMPLETION ☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER						6 IF INDIAN, ALLOTTEE OR	
2 NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY						7 UNIT AGREEMENT NAME Rosa Unit	
3 ADDRESS AND TELEPHONE NO P O. Box 640, Aztec, NM 87410 (505) 634-4208						8 FARM OR LEASE NAME, WELL NO Rosa Unit #257A	
4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At Surface: 1285' FNL & 1890' FWL, Sec 27 (C), T31N, R5W At top production interval reported below Same At total depth Same						9 API WELL NO 30-039-30390	
						10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal	
						11 SEC, T, R, M, OR BLOCK AND SURVEY OR AREA SEC 27-31N-5W	
						12 COUNTY OR Rio Arriba	13 STATE New Mexico
14 PERMIT NO	DATE ISSUED					15 DATE SPUDDED 8-7-08	
16 DATE T D REACHED 9-24-08		17 DATE COMPLETED (READY TO PRODUCE) 10-19-08		18 ELEVATIONS (DK, RKB, RT, GR, ETC)* 6569' GR		19 ELEVATION CASINGHEAD	
20 TOTAL DEPTH, MD & TVD 3535' MD		21 PLUG, BACK T D, MD & TVD 3535' 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)* Basin Fruitland Coal. 3320' - 3436'						25 WAS DIRECTIONAL SURVEY MADE YES	
26 TYPE ELECTRIC AND OTHER LOGS RUN NO ELECTRONIC LOGS, MUD LOGGING ONLY						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	
9-5/8", K-55		36.0#		341'		12-1/4"	
7", K-55		23.0#		3303'		8-3/4"	
29 LINER RECORD				30 TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2", K-55	3160'	3535'	none		2-7/8", J-55	3468'	
31 PERFORATION RECORD (Interval, size, and number)				32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC			
				DEPTH INTERVAL (MD)			
Basin Fruitland Coal - 3320' - 3436'				AMOUNT AND KIND OF MATERIAL USED			
				Well was not fraced or acidized			
33 PRODUCTION							
DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR NOT)	
Not producing yet		Will be produced with aid of 2-1/2" x 1-1/2" x 8' x 11' RIHAC pump				Shut in - waiting on tie in	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
10-17-08	1 hr	2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0 oz	19 oz				673 mcf/d		
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 10-20-08							

[illegible]

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1304 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	Michael K Lane
Address	P.O. BOX 640, AZTEC, NM 87410	Telephone No.	(505) 634-4219
Facility Name	Rosa 257A	Facility Type	Well Location

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

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	27	31N	05W					Rio Arriba

Latitude 36.87428 Longitude -107.35220

NATURE OF RELEASE

Type of Release	N/A	Volume of Release		Volume Recovered	
Source of Release	N/A	Date and Hour of Occurrence		Date and Hour of Discovery	
Was Immediate Notice Given?	☐ Yes ☐ No ☒ Not Required	If YES, To Whom?			
By Whom?		Date and Hour			
Was a Watercourse Reached?	☐ Yes ☐ No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*	
No Release	

Describe Cause of Problem and Remedial Action Taken.*	
No Release	

Describe Area Affected and Cleanup Action Taken.*	
No Release	

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

Signature:		<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Michael K. Lane		Approved by District Supervisor:	
Title: EH&S Specialist		Approval Date:	Expiration Date:
E-mail Address: myke.lane@williams.com		Conditions of Approval:	Attached ☐
Date: Phone: (505) 634-4219			

* Attach Additional Sheets If Necessary

CLOSURE REPORT ATTACHMENTS

Rosa 257A

- 1 Date & How free standing liquids removed in following manner: 10/25/2008
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: 10/20/2008
Pit covered on following date: 4/27/2009 (due to winter closure)
Reseeding started/scheduled for following date: Spring 2009
- 6 Pit liner removed on following date: 4/24/2009
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 NMOCD when area 1st seeded: Pending
Seed Mix Used: Seed mix specified in Condition of Approval
- 12 Date pit was covered: 4/27/2009

CLOSURE REPORT ATTACHMENTS

Date 1st seeding took place: spring following covering of pit
Date 2nd seeding took place: spring following covering of pit
Date 70% coverage of native perennial vegetation accomplished: To be Determined
Date C103 submitted to NMOCD (stating To be Determined
2 successive vegetative seasons accomplished)

13 Company setting steel marker on site: Adobe Construction
Date marker set: Pending
Type cmt & depth of cmt to place marker: 2 sx Pre-mixed concrete @ 4' depth
Type of marker used: (check one) 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: N/A
** C105 (Completion Rpt) w/Applicable Pit Information Attached



2579

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: ROSA UNIT # 257-A	API #: 30-039-30390
---	----------------------------

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

Pit Liner intact (no visible tears)	☒ Yes ☐ No If No, Report to EH&S immediately	Date / Time Reported:
Pit Properly Fenced (no fence on rig side if on site)	☒ Yes ☐ No ☐ Not Required (if site fully fenced)	
Pit Slopes intact	☒ Yes ☐ No	
Adequate freeboard (liquid level 2 vertical feet from berm top)	☒ Yes ☐ No ☐ Not Applicable	
Free oil or sheen present on pit	☐ Yes ☒ No	
Flare Pit free of liquids	☒ Yes ☐ No ☐ Not Applicable	
Comments:		
Inspector Signature: HARMON COCKRELL		
Printed Name: HARMON COCKRELL		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 8/6/2008 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: ROSA UNIT # 257-A	API #: 30-039-30390
----------------------------------	---------------------

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

Pit Liner intact (no visible tears)	☒ Yes ☐ No If No, Report to EH&S immediately	Date / Time Reported:
Pit Properly Fenced (no fence on rig side if on site)	☒ Yes ☐ No ☐ Not Required (if site fully fenced)	
Pit Slopes intact	☒ Yes ☐ No	
Adequate freeboard (liquid level 2 <u>vertical</u> feet from berm top)	☒ Yes ☐ No ☐ Not Applicable	
Free oil or sheen present on pit	☒ Yes ☐ No	
Flare Pit free of liquids	☒ Yes ☐ No ☐ Not Applicable	

Comments: Oil floating on pit. Appears to have been brought in with produced water. Raining hard first day rig came in and did not settle out until following day. Did not come from rig as rig had not turned a lick when oil was found. Have contacted triple S water pusher and he is going to bring truck over and skim oil off pit.

Inspector Signature: HARMON COCKRELL

Printed Name: HARMON COCKRELL

Title: DRILLING CONSULTANT (T.D.C.I.)

Date: 8/7/2008

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: ROSA UNIT # 257-A	API #: 30-039-30390
----------------------------------	---------------------

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

Pit Liner intact (no visible tears)	☒ Yes ☐ No If No, Report to EH&S immediately	Date / Time Reported:
Pit Properly Fenced (no fence on rig side if on site)	☒ Yes ☐ No ☐ Not Required (if site fully fenced)	
Pit Slopes intact	☒ Yes ☐ No	
Adequate freeboard (liquid level 2 <u>vertical</u> feet from berm top)	☒ Yes ☐ No ☐ Not Applicable	
Free oil or sheen present on pit	☐ Yes ☒ No	
Flare Pit free of liquids	☒ Yes ☐ No ☐ Not Applicable	
Comments: Triple S out to pull oil of pit		
Inspector Signature: HARMON COCKRELL		
Printed Name: HARMON COCKRELL		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 8/8/2008 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: ROSA UNIT # 257-A	API #: 30-039-30390
----------------------------------	---------------------

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

Pit Liner intact (no visible tears)	☒ Yes ☐ No If No, Report to EH&S immediately	Date / Time Reported:
Pit Properly Fenced (no fence on rig side if on site)	☒ Yes ☐ No ☐ Not Required (if site fully fenced)	
Pit Slopes intact	☒ Yes ☐ No	
Adequate freeboard (liquid level 2 <u>vertical</u> feet from berm top)	☒ Yes ☐ No ☐ Not Applicable	
Free oil or sheen present on pit	☐ Yes ☒ No	
Flare Pit free of liquids	☒ Yes ☐ No ☐ Not Applicable	

Comments:

Inspector Signature: HARMON COCKRELL

Printed Name: HARMON COCKRELL

Title: DRILLING CONSULTANT (T.D.C.I.)

Date: 8/9/2008	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: ROSA UNIT #257-A	API #: 30-039-30390
---------------------------------	---------------------

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

Pit Liner intact (no visible tears)	☒ Yes ☐ No If No, Report to EH&S immediately	Date / Time Reported:
Pit Properly Fenced (no fence on rig side if on site)	☒ Yes ☐ No ☐ Not Required (if site fully fenced)	
Pit Slopes intact	☒ Yes ☐ No	
Adequate freeboard (liquid level 2 <u>vertical</u> feet from berm top)	☒ Yes ☐ No ☐ Not Applicable	
Free oil or sheen present on pit	☐ Yes ☒ No	
Flare Pit free of liquids	☒ Yes ☐ No ☐ Not Applicable	
Comments:		
Inspector Signature: HARMON COCKRELL		
Printed Name: HARMON COCKRELL		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 8/10/2008 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: ROSA UNIT #257-A	API #: 30-039-30390
---------------------------------	---------------------

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

Pit Liner intact (no visible tears)	☒ Yes ☐ No If No, Report to EH&S immediately	Date / Time Reported:
Pit Properly Fenced (no fence on rig side if on site)	☒ Yes ☐ No ☐ Not Required (if site fully fenced)	
Pit Slopes intact	☒ Yes ☐ No	
Adequate freeboard (liquid level 2 <u>vertical</u> feet from berm top)	☒ Yes ☐ No ☐ Not Applicable	
Free oil or sheen present on pit	☐ Yes ☒ No	
Flare Pit free of liquids	☒ Yes ☐ No ☐ Not Applicable	
Comments:		
Inspector Signature: HARMON COCKRELL		
Printed Name: HARMON COCKRELL		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 8/12/2008 Phone: (505) 486-1935		

Record Retention: Submit with Closure
File: EH&S

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Comments:		
Inspector Signature: WILLIE MOCK		
Printed Name: WILLIE MOCK		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 8/13/2008 Phone: (505) 793-0528		

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

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Comments:		
Inspector Signature: WILLIE MOCK		
Printed Name: WILLIE MOCK		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 8/14/2008 Phone: (505) 793-0528		

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

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Comments:		
Inspector Signature: WILLIE MOCK		
Printed Name: WILLIE MOCK		
Title: DRILLING CONSULTANT (T.D.C.I.)		
Date: 8/15/2008 Phone: (505) 793-0528		

Record Retention: Submit with Closure
File: EH&S

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. 30-039-30390								
		2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN								
		3. State Oil & Gas Lease No. NMSF-078770								
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☐ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☒ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)		5. Lease Name or Unit Agreement Name Rosa Unit								
		6. Well Number: Rosa Unit #257A								
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator WILLIAMS PRODUCTION, LLC		9. OGRID 120782								
10. Address of Operator P.O. BOX 640 AZTEC, NM 87410		11. Pool name or Wildcat								
12. Location	Unit Ltr	Section	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 10/19/08		16. Date Completed (Ready to Produce)			17. Elevations (DF and RKB, RT, GR, etc.)			
18. Total Measured Depth of Well		19. Plug Back Measured Depth		20. Was Directional Survey Made?			21. Type Electric and Other Logs Run			
22. Producing Interval(s), of this completion - Top, Bottom, Name										
23 CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
24. LINER RECORD						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 36.87428N Longitude -107.35220W 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 EHS SPECIALIST			Date		
E-mail Address:										

**WILLIAMS PRODUCTION
TEMP PIT CLOSURE REPORT ADDENDUM
ROSA UNIT 257A**

Req #

- 1 Date & How free standing liquids removed in following manner: 11/18/2008
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: 10/19/2008
Pit covered on following date: 5/4/2009
Reseeding started/scheduled for following date: Spring/Fall 2009
Date and mix to follow BLM/USFS COAs in APD per BLM:FFO/NMOCD MOU dated 5/4/09.
- 6 Pit liner removed on following date: 4/24/2009
Pit liner removed by following company: Adobe Construction

Pit liner removed in following manner:
Cut liner above mud level after stabilization by manually &/or mechanically cutting liner. Removed all anchored material on date given.
Facility where Pit liner disposed: S.J. Regional Landfill, NMED Permit SWM-052426
- 7 Solidification process accomplished in following manner:

Adobe construction used combination of natural drying & mechanical mixing. Pit contents were mixed with non-waste, earthen material to a consistency that is safe & stable. The mixing ratio has not exceeded 3 parts non-waste to 1 part pit contents.
- 8 Five point composite sample provided: Envirotech Results Attached
- 9 Testing of earth by following company: Envirotech, Inc.

Material & method used for solidification, non-waste earthen material:
Grading & backfilling area with approximately 4' of soils and earthen materials recovered during site construction, to one foot consisting of topsoil.
- 10 Re-contouring to match surrounding geography done in following manner (using BMP's):

ROSA UNIT 257A

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: 5/4/2009
- 13 Company setting steel marker on site: Adobe Construction
Date marker set: 11/6/2009
Type cmt & depth of cmt to place marker: 2 sx Pre-mixed concrete @ 4' depth
Type of marker used: (check one) Plate
Pertinent information on marker (operator, lease, well name/#, S-T-R-UL):
Williams Production, Rosa Unit #257A, Unit C, Sec. 27; T31N; R5W, RIO Arriba Co. 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

WALLACE, IRVING
BORN APRIL 10, 1901
DIED JANUARY 25, 1971
UNIT C-61077
WESTERN POW
IN PLACE BURIAL

11-30-2009

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

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

Permit # 1724

WELL LOCATION AND ACREAGE DEDICATION PLAT

RCVD JUN 7 '12

*API Number 30-039-30390		*Pool Code 71629	*Pool Name OIL CONS. DIV. BASIN FRUITLAND COAL DIST. 3
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 257A
*OGRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6569'

10 Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	27	31N	5W		1285	NORTH	1890	WEST	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 - (W/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 LAT: 36.87428°N LONG: 107.35220°W DATUM: NAD83 LEASE SF-078710		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 Survey Date: NOVEMBER 10, 2005 Signature and Seal of Professional Surveyor JASON C. EDWARDS Certificate Number 15269
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